Received18/11/15

# Selfie Numbers - I: Symmetrical and Unified Representations

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**Abstract**

*In previous works [11, 15, 16], the construction of Selfie numbers is done in different forms, such as in order of digits, in reverse order of digits, in increasing and decreasing orders of digits. This has been done using factorial and square-root with basic operations. This work is improvement over the above works specially in case of increasing and decreasing order of digits. Symmetrical consecutive and unified Selfie numbers are also presented.*

## 1 Selfie Numbers

Numbers represented by their own digits connected by certain operations are understood as *"Selfie numbers"*. These numbers are divided in two categories. Each category is again divided in two ways, i.e., one in order of digits appearing in the numbers and their reverse, and the second is in increasing and decreasing order of digits. Below are some examples of *Selfie numbers*.

### 1.1 Representations in Order of Digits and Reverse

- **Order of Digits**

  $24 = (2 \times \sqrt{4})!$.

  $936 = (\sqrt{9}!)^3 + 6!$.

  $1296 = \sqrt{(1+2)!^9/6}$.

  $12969 = 1 \times 2 \times 9 \times 6! + 9$.

  $24453 := \sqrt{\sqrt{2^{4!}}} + (4! + 5)^3$.

- **Reverse Order of Digits**

  $24 = \sqrt{(4!)^2}$.

  $936 = 6! + (3!)^{\sqrt{9}}$.

  $1296 = 6^{(\sqrt{9}+2-1)}$.

  $20167 = 7 + (6 + 1 + 0!)!/2$.

  $91125 = (5 \times (-2 + 11))^{\sqrt{9}}$.

### 1.2 Representations in Increasing and Decreasing Orders of Digits

- **Increasing Order of Digits**

  $936 = 3!! + 6^{\sqrt{9}}$.

  $1296 = (1+2)! \times 6^{\sqrt{9}}$.

  $8397 = -3 - 7! + 8!/\sqrt{9}$.

  $45576 := -4! + 5! \times 5 \times 76$.

  $573846 = -3!! - (\sqrt{4} - (5! - 6) \times 7! - 8)$.

- **Decreasing Order of Digits**

  $936 = (\sqrt{9})!! + 6^3$.

  $1296 = ((\sqrt{9})! \times 6)^2 \times 1$.

  $20148 = (8! - 4)/2 - 10$.

  $53783 := 8 + 75 \times (-3 + 3!!)$.

  $435609 = 9 + (6! - 5!/\sqrt{4})^{(3-0!)}$.

Some studied on this kind of numbers appearing in sections 1.1-1.4 can be seen in Taneja [11, 15, 16].

We observe that there are number that can be represented without any order, for example,

$34562 = 2 - (3 - 5) \times 6! \times 4!$.

$87369 = (3! + 7) \times 8!/6 + 9$.

Even though these numbers are also *Selfie numbers*, but still are not under study.

### 1.3 Symmetrical Representations

In [15], author studied an interesting *symmetrical consecutive representation of Selfie numbers*, such as

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$72590 = 0 + 9!/5 + 2 \times 7.$

$72591 = 1 + 9!/5 + 2 \times 7.$

$72592 = 2 + 9!/5 + 2 \times 7.$

$72593 = 3 + 9!/5 + 2 \times 7.$

$72594 = 4 + 9!/5 + 2 \times 7.$

$72595 = 5 + 9!/5 + 2 \times 7.$

$72596 = 6 + 9!/5 + 2 \times 7.$

$72597 = 7 + 9!/5 + 2 \times 7.$

$72598 = 8 + 9!/5 + 2 \times 7.$

$72599 = 9 + 9!/5 + 2 \times 7.$

### 1.4 Unified Selfie Numbers

We observe that there are numbers that can be written in all the four ways. For simplicity, we call them as *unified Selfie numbers* [20]. According to subsections 1.1 and 1.2, the numbers 936 and 1296 are *unified Selfie numbers*. See below:

$$936 = (\sqrt{9})!^3 + 6! \quad = 6! + 3!^{\sqrt{9}} = 3!! + 6^{\sqrt{9}} \qquad = (\sqrt{9})!! + 6^3.$$
$$1296 = \sqrt{(1+2)!^9/6} = 6^{\sqrt{9}+2-1} \quad = (1+2)! \times 6^{\sqrt{9}} = ((\sqrt{9})! \times 6)^2 \times 1.$$

More precisely, *unified Selfie numbers* are understood as:

$$\begin{aligned} \text{Unified Selfie number} &= \text{Order of digits} \\ &= \text{Reverse order of digits} \\ &= \text{Increasing order of digits} \\ &= \text{Decreasing order of digits.} \end{aligned}$$

### 1.5 Patterned Selfie Numbers

Madachy [4], pages 174-175 discussed the idea of different kind of numbers. In [21], we called them as *patterned Selfie numbers* and studied extensively. See examples below:

$36 = 3! \times 6$
$360 = 3! \times 60$
$3600 = 3! \times 600$

$4296 = (-4 + (2 \times \sqrt{9})!) \times 6$
$42960 = (-4 + (2 \times \sqrt{9})!) \times 60$
$429600 = (-4 + (2 \times \sqrt{9})!) \times 600$

$93552 = ((\sqrt{9})! \times 3!^5 + 5!) \times 2$
$935520 = ((\sqrt{9})! \times 3!^5 + 5!) \times 20$
$9355200 = ((\sqrt{9})! \times 3!^5 + 5!) \times 200$

In [11, 15, 16] , we studied extensively *"Selfie numbers"* having the operations, *addition, subtraction, multiplication, potentiation, division, square-root and factorial* i.e., $\left[+\ ,\ -\ ,\ \times\ ,\ \hat{}\ ,\ /\ ,\ \sqrt{}\ ,\ !\right]$. This work is an extension of previous work [11, 15, 16], but limited only up to 5 digits. Working with six digits with *square-root* and *factorial* there are more than 60000 possibilities. In continuation the second part - **Selfie Numbers - II**, [22] is on six digits without factorial.

Study on numbers in different situation can be seen in [10, 12, 13, 14, 17, 18, 19]. For some comments refer to [1, 5]. Previous work in this direction can seen in [2, 3, 6, 7, 8, 9].

## 2 Symmetrical Consecutive Representations in Order of Digits and Reverse

This section is divided in three subsections. The first one is for representations on both ways. Second is in order of digits and third is in reverse order.

### 2.1 Symmetrical Consecutive Representations in Both Ways

$720 := (\sqrt{7+2})!! + 0 = 0 + (\sqrt{2+7})!!.$
$721 := (\sqrt{7+2})!! + 1 = 1 + (\sqrt{2+7})!!.$
$722 := (\sqrt{7+2})!! + 2 = 2 + (\sqrt{2+7})!!.$
$723 := (\sqrt{7+2})!! + 3 = 3 + (\sqrt{2+7})!!.$
$724 := (\sqrt{7+2})!! + 4 = 4 + (\sqrt{2+7})!!.$
$725 := (\sqrt{7+2})!! + 5 = 5 + (\sqrt{2+7})!!.$
$726 := (\sqrt{7+2})!! + 6 = 6 + (\sqrt{2+7})!!.$
$727 := (\sqrt{7+2})!! + 7 = 7 + (\sqrt{2+7})!!.$
$728 := (\sqrt{7+2})!! + 8 = 8 + (\sqrt{2+7})!!.$
$729 := (\sqrt{7+2})!! + 9 = 9 + (\sqrt{2+7})!!.$

$1440 := (-1+4)!! \times \sqrt{4} + 0 = 0 + \sqrt{4} \times (4-1)!!.$
$1441 := (-1+4)!! \times \sqrt{4} + 1 = 1 + \sqrt{4} \times (4-1)!!.$
$1442 := (-1+4)!! \times \sqrt{4} + 2 = 2 + \sqrt{4} \times (4-1)!!.$
$1443 := (-1+4)!! \times \sqrt{4} + 3 = 3 + \sqrt{4} \times (4-1)!!.$
$1444 := (-1+4)!! \times \sqrt{4} + 4 = 4 + \sqrt{4} \times (4-1)!!.$
$1445 := (-1+4)!! \times \sqrt{4} + 5 = 5 + \sqrt{4} \times (4-1)!!.$
$1446 := (-1+4)!! \times \sqrt{4} + 6 = 6 + \sqrt{4} \times (4-1)!!.$
$1447 := (-1+4)!! \times \sqrt{4} + 7 = 7 + \sqrt{4} \times (4-1)!!.$
$1448 := (-1+4)!! \times \sqrt{4} + 8 = 8 + \sqrt{4} \times (4-1)!!.$
$1449 := (-1+4)!! \times \sqrt{4} + 9 = 9 + \sqrt{4} \times (4-1)!!.$

$2160 := (2+1) \times 6! + 0 = 0 + 6! \times (1+2).$
$2161 := (2+1) \times 6! + 1 = 1 + 6! \times (1+2).$
$2162 := (2+1) \times 6! + 2 = 2 + 6! \times (1+2).$
$2163 := (2+1) \times 6! + 3 = 3 + 6! \times (1+2).$
$2164 := (2+1) \times 6! + 4 = 4 + 6! \times (1+2).$
$2165 := (2+1) \times 6! + 5 = 5 + 6! \times (1+2).$
$2166 := (2+1) \times 6! + 6 = 6 + 6! \times (1+2).$
$2167 := (2+1) \times 6! + 7 = 7 + 6! \times (1+2).$
$2168 := (2+1) \times 6! + 8 = 8 + 6! \times (1+2).$
$2169 := (2+1) \times 6! + 9 = 9 + 6! \times (1+2).$

$2520 := (2+5)!/2 + 0 = 0 + (2+5)!/2.$
$2521 := (2+5)!/2 + 1 = 1 + (2+5)!/2.$
$2522 := (2+5)!/2 + 2 = 2 + (2+5)!/2.$
$2523 := (2+5)!/2 + 3 = 3 + (2+5)!/2.$
$2524 := (2+5)!/2 + 4 = 4 + (2+5)!/2.$
$2525 := (2+5)!/2 + 5 = 5 + (2+5)!/2.$
$2526 := (2+5)!/2 + 6 = 6 + (2+5)!/2.$
$2527 := (2+5)!/2 + 7 = 7 + (2+5)!/2.$
$2528 := (2+5)!/2 + 8 = 8 + (2+5)!/2.$
$2529 := (2+5)!/2 + 9 = 9 + (2+5)!/2.$

$3600 := 3!! \times (6-0!) + 0 = 0 + (-0!+6) \times 3!!.$
$3601 := 3!! \times (6-0!) + 1 = 1 + (-0!+6) \times 3!!.$
$3602 := 3!! \times (6-0!) + 2 = 2 + (-0!+6) \times 3!!.$
$3603 := 3!! \times (6-0!) + 3 = 3 + (-0!+6) \times 3!!.$
$3604 := 3!! \times (6-0!) + 4 = 4 + (-0!+6) \times 3!!.$
$3605 := 3!! \times (6-0!) + 5 = 5 + (-0!+6) \times 3!!.$
$3606 := 3!! \times (6-0!) + 6 = 6 + (-0!+6) \times 3!!.$
$3607 := 3!! \times (6-0!) + 7 = 7 + (-0!+6) \times 3!!.$
$3608 := 3!! \times (6-0!) + 8 = 8 + (-0!+6) \times 3!!.$
$3609 := 3!! \times (6-0!) + 9 = 9 + (-0!+6) \times 3!!.$

$5040 := (5+\sqrt{04})! + 0 = 0 + (\sqrt{4}+05)!.$
$5041 := (5+\sqrt{04})! + 1 = 1 + (\sqrt{4}+05)!.$
$5042 := (5+\sqrt{04})! + 2 = 2 + (\sqrt{4}+05)!.$
$5043 := (5+\sqrt{04})! + 3 = 3 + (\sqrt{4}+05)!.$
$5044 := (5+\sqrt{04})! + 4 = 4 + (\sqrt{4}+05)!.$
$5045 := (5+\sqrt{04})! + 5 = 5 + (\sqrt{4}+05)!.$
$5046 := (5+\sqrt{04})! + 6 = 6 + (\sqrt{4}+05)!.$
$5047 := (5+\sqrt{04})! + 7 = 7 + (\sqrt{4}+05)!.$
$5048 := (5+\sqrt{04})! + 8 = 8 + (\sqrt{4}+05)!.$
$5049 := (5+\sqrt{04})! + 9 = 9 + (\sqrt{4}+05)!.$

$5160 := 5! + (1+6)! + 0 = 0 + (6+1)! + 5!.$
$5161 := 5! + (1+6)! + 1 = 1 + (6+1)! + 5!.$
$5162 := 5! + (1+6)! + 2 = 2 + (6+1)! + 5!.$
$5163 := 5! + (1+6)! + 3 = 3 + (6+1)! + 5!.$
$5164 := 5! + (1+6)! + 4 = 4 + (6+1)! + 5!.$
$5165 := 5! + (1+6)! + 5 = 5 + (6+1)! + 5!.$
$5166 := 5! + (1+6)! + 6 = 6 + (6+1)! + 5!.$
$5167 := 5! + (1+6)! + 7 = 7 + (6+1)! + 5!.$
$5168 := 5! + (1+6)! + 8 = 8 + (6+1)! + 5!.$
$5169 := 5! + (1+6)! + 9 = 9 + (6+1)! + 5!.$

$10080 := (1+0!) \times (-0!+8)! + 0 = 0 + (8-0!)! \times (0!+1).$
$10081 := (1+0!) \times (-0!+8)! + 1 = 1 + (8-0!)! \times (0!+1).$
$10082 := (1+0!) \times (-0!+8)! + 2 = 2 + (8-0!)! \times (0!+1).$
$10083 := (1+0!) \times (-0!+8)! + 3 = 3 + (8-0!)! \times (0!+1).$
$10084 := (1+0!) \times (-0!+8)! + 4 = 4 + (8-0!)! \times (0!+1).$
$10085 := (1+0!) \times (-0!+8)! + 5 = 5 + (8-0!)! \times (0!+1).$
$10086 := (1+0!) \times (-0!+8)! + 6 = 6 + (8-0!)! \times (0!+1).$
$10087 := (1+0!) \times (-0!+8)! + 7 = 7 + (8-0!)! \times (0!+1).$
$10088 := (1+0!) \times (-0!+8)! + 8 = 8 + (8-0!)! \times (0!+1).$
$10089 := (1+0!) \times (-0!+8)! + 9 = 9 + (8-0!)! \times (0!+1).$

$12960 := 1 \times 2 \times 9 \times 6! + 0 = 0 + 6! \times 9 \times 2 \times 1.$
$12961 := 1 + 2 \times 9 \times 6! \times 1 = 1 + 6! \times 9 \times 2 \times 1.$
$12962 := 1 \times 2 + 9 \times 6! \times 2 = 2 + 6! \times 9 \times 2 \times 1.$
$12963 := 1 \times 2 \times 9 \times 6! + 3 = 3 + 6! \times 9 \times 2 \times 1.$
$12964 := 1 \times 2 \times 9 \times 6! + 4 = 4 + 6! \times 9 \times 2 \times 1.$
$12965 := 1 \times 2 \times 9 \times 6! + 5 = 5 + 6! \times 9 \times 2 \times 1.$
$12966 := 1 \times 2 \times 9 \times 6! + 6 = 6 + 6! \times 9 \times 2 \times 1.$
$12967 := 1 \times 2 \times 9 \times 6! + 7 = 7 + 6! \times 9 \times 2 \times 1.$
$12968 := 1 \times 2 \times 9 \times 6! + 8 = 8 + 6! \times 9 \times 2 \times 1.$
$12969 := 1 \times 2 \times 9 \times 6! + 9 = 9 + 6! \times 9 \times 2 \times 1.$

$14400 := (1+4)!^{\sqrt{4}} + 00 = 0 + (0!+4)!^{\sqrt{4}} \times 1.$
$14401 := (1+4)!^{\sqrt{4}} + 01 = 1 + (0!+4)!^{\sqrt{4}} \times 1.$
$14402 := (1+4)!^{\sqrt{4}} + 02 = 2 + (0!+4)!^{\sqrt{4}} \times 1.$
$14403 := (1+4)!^{\sqrt{4}} + 03 = 3 + (0!+4)!^{\sqrt{4}} \times 1.$
$14404 := (1+4)!^{\sqrt{4}} + 04 = 4 + (0!+4)!^{\sqrt{4}} \times 1.$
$14405 := (1+4)!^{\sqrt{4}} + 05 = 5 + (0!+4)!^{\sqrt{4}} \times 1.$
$14406 := (1+4)!^{\sqrt{4}} + 06 = 6 + (0!+4)!^{\sqrt{4}} \times 1.$
$14407 := (1+4)!^{\sqrt{4}} + 07 = 7 + (0!+4)!^{\sqrt{4}} \times 1.$
$14408 := (1+4)!^{\sqrt{4}} + 08 = 8 + (0!+4)!^{\sqrt{4}} \times 1.$
$14409 := (1+4)!^{\sqrt{4}} + 09 = 9 + (0!+4)!^{\sqrt{4}} \times 1.$

$17280 := (-1+7)! \times (\sqrt{2 \times 8})! + 0 = 0 + (8/2)! \times (7-1)!.$
$17281 := (-1+7)! \times (\sqrt{2 \times 8})! + 1 = 1 + (8/2)! \times (7-1)!.$

$17282 := (-1+7)! \times (\sqrt{2\times 8})! + 2 = 2 + (8/2)! \times (7-1)!.$
$17283 := (-1+7)! \times (\sqrt{2\times 8})! + 3 = 3 + (8/2)! \times (7-1)!.$
$17284 := (-1+7)! \times (\sqrt{2\times 8})! + 4 = 4 + (8/2)! \times (7-1)!.$
$17285 := (-1+7)! \times (\sqrt{2\times 8})! + 5 = 5 + (8/2)! \times (7-1)!.$
$17286 := (-1+7)! \times (\sqrt{2\times 8})! + 6 = 6 + (8/2)! \times (7-1)!.$
$17287 := (-1+7)! \times (\sqrt{2\times 8})! + 7 = 7 + (8/2)! \times (7-1)!.$
$17288 := (-1+7)! \times (\sqrt{2\times 8})! + 8 = 8 + (8/2)! \times (7-1)!.$
$17289 := (-1+7)! \times (\sqrt{2\times 8})! + 9 = 9 + (8/2)! \times (7-1)!.$

$25920 := (-2+5)!! \times (\sqrt{9})!^2 + 0 = 0 + (2^{\sqrt{9}})! - 5!^2.$
$25921 := (-2+5)!! \times (\sqrt{9})!^2 + 1 = 1 + (2^{\sqrt{9}})! - 5!^2.$
$25922 := (-2+5)!! \times (\sqrt{9})!^2 + 2 = 2 + (2^{\sqrt{9}})! - 5!^2.$
$25923 := (-2+5)!! \times (\sqrt{9})!^2 + 3 = 3 + (2^{\sqrt{9}})! - 5!^2.$
$25924 := (-2+5)!! \times (\sqrt{9})!^2 + 4 = 4 + (2^{\sqrt{9}})! - 5!^2.$
$25925 := (-2+5)!! \times (\sqrt{9})!^2 + 5 = 5 + (2^{\sqrt{9}})! - 5!^2.$
$25926 := (-2+5)!! \times (\sqrt{9})!^2 + 6 = 6 + (2^{\sqrt{9}})! - 5!^2.$
$25927 := (-2+5)!! \times (\sqrt{9})!^2 + 7 = 7 + (2^{\sqrt{9}})! - 5!^2.$
$25928 := (-2+5)!! \times (\sqrt{9})!^2 + 8 = 8 + (2^{\sqrt{9}})! - 5!^2.$
$25929 := (-2+5)!! \times (\sqrt{9})!^2 + 9 = 9 + (2^{\sqrt{9}})! - 5!^2.$

$30240 := 3! \times (0! + 2 + 4)! + 0 = 0 + 42 \times (0 + 3!!).$
$30241 := 3! \times (0! + 2 + 4)! + 1 = 1 + 42 \times (0 + 3!!).$
$30242 := 3! \times (0! + 2 + 4)! + 2 = 2 + 42 \times (0 + 3!!).$
$30243 := 3! \times (0! + 2 + 4)! + 3 = 3 + 42 \times (0 + 3!!).$
$30244 := 3! \times (0! + 2 + 4)! + 4 = 4 + 42 \times (0 + 3!!).$
$30245 := 3! \times (0! + 2 + 4)! + 5 = 5 + 42 \times (0 + 3!!).$
$30246 := 3! \times (0! + 2 + 4)! + 6 = 6 + 42 \times (0 + 3!!).$
$30247 := 3! \times (0! + 2 + 4)! + 7 = 7 + 42 \times (0 + 3!!).$
$30248 := 3! \times (0! + 2 + 4)! + 8 = 8 + 42 \times (0 + 3!!).$
$30249 := 3! \times (0! + 2 + 4)! + 9 = 9 + 42 \times (0 + 3!!).$

$30960 := 3! \times (0! + (\sqrt{9})!)! + 6! + 0 = 0 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30961 := 3! \times (0! + (\sqrt{9})!)! + 6! + 1 = 1 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30962 := 3! \times (0! + (\sqrt{9})!)! + 6! + 2 = 2 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30963 := 3! \times (0! + (\sqrt{9})!)! + 6! + 3 = 3 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30964 := 3! \times (0! + (\sqrt{9})!)! + 6! + 4 = 4 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30965 := 3! \times (0! + (\sqrt{9})!)! + 6! + 5 = 5 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30966 := 3! \times (0! + (\sqrt{9})!)! + 6! + 6 = 6 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30967 := 3! \times (0! + (\sqrt{9})!)! + 6! + 7 = 7 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30968 := 3! \times (0! + (\sqrt{9})!)! + 6! + 8 = 8 + 6! + (\sqrt{9})! \times (0! + 3!)!.$
$30969 := 3! \times (0! + (\sqrt{9})!)! + 6! + 9 = 9 + 6! + (\sqrt{9})! \times (0! + 3!)!.$

$34560 := (3+45) \times 6! + 0 = 0 + 6! \times (5 + 43).$
$34561 := (3+45) \times 6! + 1 = 1 + 6! \times (5 + 43).$
$34562 := (3+45) \times 6! + 2 = 2 + 6! \times (5 + 43).$
$34563 := (3+45) \times 6! + 3 = 3 + 6! \times (5 + 43).$
$34564 := (3+45) \times 6! + 4 = 4 + 6! \times (5 + 43).$
$34565 := (3+45) \times 6! + 5 = 5 + 6! \times (5 + 43).$
$34566 := (3+45) \times 6! + 6 = 6 + 6! \times (5 + 43).$
$34567 := (3+45) \times 6! + 7 = 7 + 6! \times (5 + 43).$
$34568 := (3+45) \times 6! + 8 = 8 + 6! \times (5 + 43).$
$34569 := (3+45) \times 6! + 9 = 9 + 6! \times (5 + 43).$

$35280 := -(\sqrt{-3+52})! + 8! + 0 = 0 + 8! - (2\times 5 - 3)!.$
$35281 := -(\sqrt{-3+52})! + 8! + 1 = 1 + 8! - (2\times 5 - 3)!.$
$35282 := -(\sqrt{-3+52})! + 8! + 2 = 2 + 8! - (2\times 5 - 3)!.$
$35283 := -(\sqrt{-3+52})! + 8! + 3 = 3 + 8! - (2\times 5 - 3)!.$
$35284 := -(\sqrt{-3+52})! + 8! + 4 = 4 + 8! - (2\times 5 - 3)!.$
$35285 := -(\sqrt{-3+52})! + 8! + 5 = 5 + 8! - (2\times 5 - 3)!.$
$35286 := -(\sqrt{-3+52})! + 8! + 6 = 6 + 8! - (2\times 5 - 3)!.$
$35287 := -(\sqrt{-3+52})! + 8! + 7 = 7 + 8! - (2\times 5 - 3)!.$
$35288 := -(\sqrt{-3+52})! + 8! + 8 = 8 + 8! - (2\times 5 - 3)!.$
$35289 := -(\sqrt{-3+52})! + 8! + 9 = 9 + 8! - (2\times 5 - 3)!.$

$37440 := 3!! \times (7\times 4 + 4!) + 0 = 0 + (4! + 4\times 7) \times 3!!.$
$37441 := 3!! \times (7\times 4 + 4!) + 1 = 1 + (4! + 4\times 7) \times 3!!.$
$37442 := 3!! \times (7\times 4 + 4!) + 2 = 2 + (4! + 4\times 7) \times 3!!.$
$37443 := 3!! \times (7\times 4 + 4!) + 3 = 3 + (4! + 4\times 7) \times 3!!.$
$37444 := 3!! \times (7\times 4 + 4!) + 4 = 4 + (4! + 4\times 7) \times 3!!.$
$37445 := 3!! \times (7\times 4 + 4!) + 5 = 5 + (4! + 4\times 7) \times 3!!.$
$37446 := 3!! \times (7\times 4 + 4!) + 6 = 6 + (4! + 4\times 7) \times 3!!.$
$37447 := 3!! \times (7\times 4 + 4!) + 7 = 7 + (4! + 4\times 7) \times 3!!.$
$37448 := 3!! \times (7\times 4 + 4!) + 8 = 8 + (4! + 4\times 7) \times 3!!.$
$37449 := 3!! \times (7\times 4 + 4!) + 9 = 9 + (4! + 4\times 7) \times 3!!.$

$38880 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 0 = 0 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38881 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 1 = 1 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38882 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 2 = 2 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38883 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 3 = 3 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38884 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 4 = 4 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38885 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 5 = 5 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38886 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 6 = 6 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38887 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 7 = 7 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38888 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 8 = 8 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$
$38889 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 9 = 9 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$

$39480 := -3!! - (9-4)! + 8! + 0 = 0 + 8! - (\sqrt{49})!/3!.$
$39481 := -3!! - (9-4)! + 8! + 1 = 1 + 8! - (\sqrt{49})!/3!.$
$39482 := -3!! - (9-4)! + 8! + 2 = 2 + 8! - (\sqrt{49})!/3!.$
$39483 := -3!! - (9-4)! + 8! + 3 = 3 + 8! - (\sqrt{49})!/3!.$
$39484 := -3!! - (9-4)! + 8! + 4 = 4 + 8! - (\sqrt{49})!/3!.$
$39485 := -3!! - (9-4)! + 8! + 5 = 5 + 8! - (\sqrt{49})!/3!.$
$39486 := -3!! - (9-4)! + 8! + 6 = 6 + 8! - (\sqrt{49})!/3!.$
$39487 := -3!! - (9-4)! + 8! + 7 = 7 + 8! - (\sqrt{49})!/3!.$
$39488 := -3!! - (9-4)! + 8! + 8 = 8 + 8! - (\sqrt{49})!/3!.$
$39489 := -3!! - (9-4)! + 8! + 9 = 9 + 8! - (\sqrt{49})!/3!.$

$39600 := 3!! \times (9\times 6 + 0!) + 0 = 0 + (0! + 6\times 9) \times 3!!.$
$39601 := 3!! \times (9\times 6 + 0!) + 1 = 1 + (0! + 6\times 9) \times 3!!.$
$39602 := 3!! \times (9\times 6 + 0!) + 2 = 2 + (0! + 6\times 9) \times 3!!.$

$39603 := 3!! \times (9 \times 6 + 0!) + 3 = 3 + (0! + 6 \times 9) \times 3!!.$
$39604 := 3!! \times (9 \times 6 + 0!) + 4 = 4 + (0! + 6 \times 9) \times 3!!.$
$39605 := 3!! \times (9 \times 6 + 0!) + 5 = 5 + (0! + 6 \times 9) \times 3!!.$
$39606 := 3!! \times (9 \times 6 + 0!) + 6 = 6 + (0! + 6 \times 9) \times 3!!.$
$39607 := 3!! \times (9 \times 6 + 0!) + 7 = 7 + (0! + 6 \times 9) \times 3!!.$
$39608 := 3!! \times (9 \times 6 + 0!) + 8 = 8 + (0! + 6 \times 9) \times 3!!.$
$39609 := 3!! \times (9 \times 6 + 0!) + 9 = 9 + (0! + 6 \times 9) \times 3!!.$

$39680 := 3!!/9 - 6! + 8! + 0 = 0 + 8! + 6!/9 - 3!!.$
$39681 := 3!!/9 - 6! + 8! + 1 = 1 + 8! + 6!/9 - 3!!.$
$39682 := 3!!/9 - 6! + 8! + 2 = 2 + 8! + 6!/9 - 3!!.$
$39683 := 3!!/9 - 6! + 8! + 3 = 3 + 8! + 6!/9 - 3!!.$
$39684 := 3!!/9 - 6! + 8! + 4 = 4 + 8! + 6!/9 - 3!!.$
$39685 := 3!!/9 - 6! + 8! + 5 = 5 + 8! + 6!/9 - 3!!.$
$39686 := 3!!/9 - 6! + 8! + 6 = 6 + 8! + 6!/9 - 3!!.$
$39687 := 3!!/9 - 6! + 8! + 7 = 7 + 8! + 6!/9 - 3!!.$
$39688 := 3!!/9 - 6! + 8! + 8 = 8 + 8! + 6!/9 - 3!!.$
$39689 := 3!!/9 - 6! + 8! + 9 = 9 + 8! + 6!/9 - 3!!.$

$40280 := -\sqrt{40^2} + 8! + 0 = 0 + 8! - 20 \times \sqrt{4}.$
$40281 := -\sqrt{40^2} + 8! + 1 = 1 + 8! - 20 \times \sqrt{4}.$
$40282 := -\sqrt{40^2} + 8! + 2 = 2 + 8! - 20 \times \sqrt{4}.$
$40283 := -\sqrt{40^2} + 8! + 3 = 3 + 8! - 20 \times \sqrt{4}.$
$40284 := -\sqrt{40^2} + 8! + 4 = 4 + 8! - 20 \times \sqrt{4}.$
$40285 := -\sqrt{40^2} + 8! + 5 = 5 + 8! - 20 \times \sqrt{4}.$
$40286 := -\sqrt{40^2} + 8! + 6 = 6 + 8! - 20 \times \sqrt{4}.$
$40287 := -\sqrt{40^2} + 8! + 7 = 7 + 8! - 20 \times \sqrt{4}.$
$40288 := -\sqrt{40^2} + 8! + 8 = 8 + 8! - 20 \times \sqrt{4}.$
$40289 := -\sqrt{40^2} + 8! + 9 = 9 + 8! - 20 \times \sqrt{4}.$

$40320 := (40 - 32)! + 0 = 0 + ((2 + 30)/4)!.$
$40321 := (40 - 32)! + 1 = 1 + ((2 + 30)/4)!.$
$40322 := (40 - 32)! + 2 = 2 + ((2 + 30)/4)!.$
$40323 := (40 - 32)! + 3 = 3 + ((2 + 30)/4)!.$
$40324 := (40 - 32)! + 4 = 4 + ((2 + 30)/4)!.$
$40325 := (40 - 32)! + 5 = 5 + ((2 + 30)/4)!.$
$40326 := (40 - 32)! + 6 = 6 + ((2 + 30)/4)!.$
$40327 := (40 - 32)! + 7 = 7 + ((2 + 30)/4)!.$
$40328 := (40 - 32)! + 8 = 8 + ((2 + 30)/4)!.$
$40329 := (40 - 32)! + 9 = 9 + ((2 + 30)/4)!.$

$40380 := \sqrt{(4 + 0!) \times 3!!} + 8! + 0 = 0 + 8! + 30 \times \sqrt{4}.$
$40381 := \sqrt{(4 + 0!) \times 3!!} + 8! + 1 = 1 + 8! + 30 \times \sqrt{4}.$
$40382 := \sqrt{(4 + 0!) \times 3!!} + 8! + 2 = 2 + 8! + 30 \times \sqrt{4}.$
$40383 := \sqrt{(4 + 0!) \times 3!!} + 8! + 3 = 3 + 8! + 30 \times \sqrt{4}.$
$40384 := \sqrt{(4 + 0!) \times 3!!} + 8! + 4 = 4 + 8! + 30 \times \sqrt{4}.$
$40385 := \sqrt{(4 + 0!) \times 3!!} + 8! + 5 = 5 + 8! + 30 \times \sqrt{4}.$
$40386 := \sqrt{(4 + 0!) \times 3!!} + 8! + 6 = 6 + 8! + 30 \times \sqrt{4}.$
$40387 := \sqrt{(4 + 0!) \times 3!!} + 8! + 7 = 7 + 8! + 30 \times \sqrt{4}.$
$40388 := \sqrt{(4 + 0!) \times 3!!} + 8! + 8 = 8 + 8! + 30 \times \sqrt{4}.$
$40389 := \sqrt{(4 + 0!) \times 3!!} + 8! + 9 = 9 + 8! + 30 \times \sqrt{4}.$

$40440 := (4 + 0!)! + (4 + 4)! + 0 = 0 + (4 + 4)! + (0! + 4)!.$
$40441 := (4 + 0!)! + (4 + 4)! + 1 = 1 + (4 + 4)! + (0! + 4)!.$
$40442 := (4 + 0!)! + (4 + 4)! + 2 = 2 + (4 + 4)! + (0! + 4)!.$
$40443 := (4 + 0!)! + (4 + 4)! + 3 = 3 + (4 + 4)! + (0! + 4)!.$
$40444 := (4 + 0!)! + (4 + 4)! + 4 = 4 + (4 + 4)! + (0! + 4)!.$
$40445 := (4 + 0!)! + (4 + 4)! + 5 = 5 + (4 + 4)! + (0! + 4)!.$
$40446 := (4 + 0!)! + (4 + 4)! + 6 = 6 + (4 + 4)! + (0! + 4)!.$
$40447 := (4 + 0!)! + (4 + 4)! + 7 = 7 + (4 + 4)! + (0! + 4)!.$
$40448 := (4 + 0!)! + (4 + 4)! + 8 = 8 + (4 + 4)! + (0! + 4)!.$
$40449 := (4 + 0!)! + (4 + 4)! + 9 = 9 + (4 + 4)! + (0! + 4)!.$

$40480 := 40 \times 4 + 8! + 0 = 0 + 8! + 40 \times 4.$
$40481 := 40 \times 4 + 8! + 1 = 1 + 8! + 40 \times 4.$
$40482 := 40 \times 4 + 8! + 2 = 2 + 8! + 40 \times 4.$
$40483 := 40 \times 4 + 8! + 3 = 3 + 8! + 40 \times 4.$
$40484 := 40 \times 4 + 8! + 4 = 4 + 8! + 40 \times 4.$
$40485 := 40 \times 4 + 8! + 5 = 5 + 8! + 40 \times 4.$
$40486 := 40 \times 4 + 8! + 6 = 6 + 8! + 40 \times 4.$
$40487 := 40 \times 4 + 8! + 7 = 7 + 8! + 40 \times 4.$
$40488 := 40 \times 4 + 8! + 8 = 8 + 8! + 40 \times 4.$
$40489 := 40 \times 4 + 8! + 9 = 9 + 8! + 40 \times 4.$

$45360 := (\sqrt{4} + 5)! \times (3 + 6) + 0 = 0 + 63 \times (\sqrt{5 + 4})!!.$
$45361 := (\sqrt{4} + 5)! \times (3 + 6) + 1 = 1 + 63 \times (\sqrt{5 + 4})!!.$
$45362 := (\sqrt{4} + 5)! \times (3 + 6) + 2 = 2 + 63 \times (\sqrt{5 + 4})!!.$
$45363 := (\sqrt{4} + 5)! \times (3 + 6) + 3 = 3 + 63 \times (\sqrt{5 + 4})!!.$
$45364 := (\sqrt{4} + 5)! \times (3 + 6) + 4 = 4 + 63 \times (\sqrt{5 + 4})!!.$
$45365 := (\sqrt{4} + 5)! \times (3 + 6) + 5 = 5 + 63 \times (\sqrt{5 + 4})!!.$
$45366 := (\sqrt{4} + 5)! \times (3 + 6) + 6 = 6 + 63 \times (\sqrt{5 + 4})!!.$
$45367 := (\sqrt{4} + 5)! \times (3 + 6) + 7 = 7 + 63 \times (\sqrt{5 + 4})!!.$
$45368 := (\sqrt{4} + 5)! \times (3 + 6) + 8 = 8 + 63 \times (\sqrt{5 + 4})!!.$
$45369 := (\sqrt{4} + 5)! \times (3 + 6) + 9 = 9 + 63 \times (\sqrt{5 + 4})!!.$

$46080 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 0 = 0 + (\sqrt{8 + 0!})!! \times 64.$
$46081 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 1 = 1 + (\sqrt{8 + 0!})!! \times 64.$
$46082 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 2 = 2 + (\sqrt{8 + 0!})!! \times 64.$
$46083 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 3 = 3 + (\sqrt{8 + 0!})!! \times 64.$
$46084 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 4 = 4 + (\sqrt{8 + 0!})!! \times 64.$
$46085 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 5 = 5 + (\sqrt{8 + 0!})!! \times 64.$
$46086 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 6 = 6 + (\sqrt{8 + 0!})!! \times 64.$
$46087 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 7 = 7 + (\sqrt{8 + 0!})!! \times 64.$
$46088 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 8 = 8 + (\sqrt{8 + 0!})!! \times 64.$
$46089 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 9 = 9 + (\sqrt{8 + 0!})!! \times 64.$

$46660 := 4!/6 + 6^6 + 0 = 0 + 6 + 6^6 - \sqrt{4}.$
$46661 := 4!/6 + 6^6 + 1 = 1 + 6 + 6^6 - \sqrt{4}.$
$46662 := 4!/6 + 6^6 + 2 = 2 + 6 + 6^6 - \sqrt{4}.$
$46663 := 4!/6 + 6^6 + 3 = 3 + 6 + 6^6 - \sqrt{4}.$

$46664 := 4!/6 + 6^6 + 4 = 4 + 6 + 6^6 - \sqrt{4}.$
$46665 := 4!/6 + 6^6 + 5 = 5 + 6 + 6^6 - \sqrt{4}.$
$46666 := 4!/6 + 6^6 + 6 = 6 + 6 + 6^6 - \sqrt{4}.$
$46667 := 4!/6 + 6^6 + 7 = 7 + 6 + 6^6 - \sqrt{4}.$
$46668 := 4!/6 + 6^6 + 8 = 8 + 6 + 6^6 - \sqrt{4}.$
$46669 := 4!/6 + 6^6 + 9 = 9 + 6 + 6^6 - \sqrt{4}.$

$48960 := 4 \times (8 + 9) \times 6! + 0 = 0 + 6! \times (9 \times 8 - 4).$
$48961 := 4 \times (8 + 9) \times 6! + 1 = 1 + 6! \times (9 \times 8 - 4).$
$48962 := 4 \times (8 + 9) \times 6! + 2 = 2 + 6! \times (9 \times 8 - 4).$
$48963 := 4 \times (8 + 9) \times 6! + 3 = 3 + 6! \times (9 \times 8 - 4).$
$48964 := 4 \times (8 + 9) \times 6! + 4 = 4 + 6! \times (9 \times 8 - 4).$
$48965 := 4 \times (8 + 9) \times 6! + 5 = 5 + 6! \times (9 \times 8 - 4).$
$48966 := 4 \times (8 + 9) \times 6! + 6 = 6 + 6! \times (9 \times 8 - 4).$
$48967 := 4 \times (8 + 9) \times 6! + 7 = 7 + 6! \times (9 \times 8 - 4).$
$48968 := 4 \times (8 + 9) \times 6! + 8 = 8 + 6! \times (9 \times 8 - 4).$
$48969 := 4 \times (8 + 9) \times 6! + 9 = 9 + 6! \times (9 \times 8 - 4).$

$49680 := (4 + 9) \times 6! + 8! + 0 = 0 + 8! + 6! \times (9 + 4).$
$49681 := (4 + 9) \times 6! + 8! + 1 = 1 + 8! + 6! \times (9 + 4).$
$49682 := (4 + 9) \times 6! + 8! + 2 = 2 + 8! + 6! \times (9 + 4).$
$49683 := (4 + 9) \times 6! + 8! + 3 = 3 + 8! + 6! \times (9 + 4).$
$49684 := (4 + 9) \times 6! + 8! + 4 = 4 + 8! + 6! \times (9 + 4).$
$49685 := (4 + 9) \times 6! + 8! + 5 = 5 + 8! + 6! \times (9 + 4).$
$49686 := (4 + 9) \times 6! + 8! + 6 = 6 + 8! + 6! \times (9 + 4).$
$49687 := (4 + 9) \times 6! + 8! + 7 = 7 + 8! + 6! \times (9 + 4).$
$49688 := (4 + 9) \times 6! + 8! + 8 = 8 + 8! + 6! \times (9 + 4).$
$49689 := (4 + 9) \times 6! + 8! + 9 = 9 + 8! + 6! \times (9 + 4).$

$59760 := 5! + (9! - 7!)/6 + 0 = 0 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59761 := 5! + (9! - 7!)/6 + 1 = 1 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59762 := 5! + (9! - 7!)/6 + 2 = 2 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59763 := 5! + (9! - 7!)/6 + 3 = 3 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59764 := 5! + (9! - 7!)/6 + 4 = 4 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59765 := 5! + (9! - 7!)/6 + 5 = 5 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59766 := 5! + (9! - 7!)/6 + 6 = 6 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59767 := 5! + (9! - 7!)/6 + 7 = 7 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59768 := 5! + (9! - 7!)/6 + 8 = 8 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$
$59769 := 5! + (9! - 7!)/6 + 9 = 9 - 6! + 7! \times \sqrt{(\sqrt{9})!!/5}.$

$60480 := (6 + 0!)! \times (4 + 8) + 0 = 0 + 84 \times 06!.$
$60481 := (6 + 0!)! \times (4 + 8) + 1 = 1 + 84 \times 06!.$
$60482 := (6 + 0!)! \times (4 + 8) + 2 = 2 + 84 \times 06!.$
$60483 := (6 + 0!)! \times (4 + 8) + 3 = 3 + 84 \times 06!.$
$60484 := (6 + 0!)! \times (4 + 8) + 4 = 4 + 84 \times 06!.$
$60485 := (6 + 0!)! \times (4 + 8) + 5 = 5 + 84 \times 06!.$
$60486 := (6 + 0!)! \times (4 + 8) + 6 = 6 + 84 \times 06!.$
$60487 := (6 + 0!)! \times (4 + 8) + 7 = 7 + 84 \times 06!.$
$60488 := (6 + 0!)! \times (4 + 8) + 8 = 8 + 84 \times 06!.$
$60489 := (6 + 0!)! \times (4 + 8) + 9 = 9 + 84 \times 06!.$

$64840 := 6!^{\sqrt{4}}/8 + 40 = 0 + 4^8 + 4! - 6!.$
$64841 := 6!^{\sqrt{4}}/8 + 41 = 1 + 4^8 + 4! - 6!.$
$64842 := 6!^{\sqrt{4}}/8 + 42 = 2 + 4^8 + 4! - 6!.$
$64843 := 6!^{\sqrt{4}}/8 + 43 = 3 + 4^8 + 4! - 6!.$
$64844 := 6!^{\sqrt{4}}/8 + 44 = 4 + 4^8 + 4! - 6!.$
$64845 := 6!^{\sqrt{4}}/8 + 45 = 5 + 4^8 + 4! - 6!.$
$64846 := 6!^{\sqrt{4}}/8 + 46 = 6 + 4^8 + 4! - 6!.$
$64847 := 6!^{\sqrt{4}}/8 + 47 = 7 + 4^8 + 4! - 6!.$
$64848 := 6!^{\sqrt{4}}/8 + 48 = 8 + 4^8 + 4! - 6!.$
$64849 := 6!^{\sqrt{4}}/8 + 49 = 9 + 4^8 + 4! - 6!.$

$75480 := -7! - 5! + \sqrt{4} \times 8! + 0 = 0 + 8! \times \sqrt{4} - 5! - 7!.$
$75481 := -7! - 5! + \sqrt{4} \times 8! + 1 = 1 + 8! \times \sqrt{4} - 5! - 7!.$
$75482 := -7! - 5! + \sqrt{4} \times 8! + 2 = 2 + 8! \times \sqrt{4} - 5! - 7!.$
$75483 := -7! - 5! + \sqrt{4} \times 8! + 3 = 3 + 8! \times \sqrt{4} - 5! - 7!.$
$75484 := -7! - 5! + \sqrt{4} \times 8! + 4 = 4 + 8! \times \sqrt{4} - 5! - 7!.$
$75485 := -7! - 5! + \sqrt{4} \times 8! + 5 = 5 + 8! \times \sqrt{4} - 5! - 7!.$
$75486 := -7! - 5! + \sqrt{4} \times 8! + 6 = 6 + 8! \times \sqrt{4} - 5! - 7!.$
$75487 := -7! - 5! + \sqrt{4} \times 8! + 7 = 7 + 8! \times \sqrt{4} - 5! - 7!.$
$75488 := -7! - 5! + \sqrt{4} \times 8! + 8 = 8 + 8! \times \sqrt{4} - 5! - 7!.$
$75489 := -7! - 5! + \sqrt{4} \times 8! + 9 = 9 + 8! \times \sqrt{4} - 5! - 7!.$

$75840 := -7! + (5! + 8!) \times \sqrt{4} + 0 = 0 + \sqrt{4} \times (8! + 5!) - 7!.$
$75841 := -7! + (5! + 8!) \times \sqrt{4} + 1 = 1 + \sqrt{4} \times (8! + 5!) - 7!.$
$75842 := -7! + (5! + 8!) \times \sqrt{4} + 2 = 2 + \sqrt{4} \times (8! + 5!) - 7!.$
$75843 := -7! + (5! + 8!) \times \sqrt{4} + 3 = 3 + \sqrt{4} \times (8! + 5!) - 7!.$
$75844 := -7! + (5! + 8!) \times \sqrt{4} + 4 = 4 + \sqrt{4} \times (8! + 5!) - 7!.$
$75845 := -7! + (5! + 8!) \times \sqrt{4} + 5 = 5 + \sqrt{4} \times (8! + 5!) - 7!.$
$75846 := -7! + (5! + 8!) \times \sqrt{4} + 6 = 6 + \sqrt{4} \times (8! + 5!) - 7!.$
$75847 := -7! + (5! + 8!) \times \sqrt{4} + 7 = 7 + \sqrt{4} \times (8! + 5!) - 7!.$
$75848 := -7! + (5! + 8!) \times \sqrt{4} + 8 = 8 + \sqrt{4} \times (8! + 5!) - 7!.$
$75849 := -7! + (5! + 8!) \times \sqrt{4} + 9 = 9 + \sqrt{4} \times (8! + 5!) - 7!.$

$80640 := 8! \times (06 - 4) + 0 = 0 + (-4 + 6) \times 08!.$
$80641 := 8! \times (06 - 4) + 1 = 1 + (-4 + 6) \times 08!.$
$80642 := 8! \times (06 - 4) + 2 = 2 + (-4 + 6) \times 08!.$
$80643 := 8! \times (06 - 4) + 3 = 3 + (-4 + 6) \times 08!.$
$80644 := 8! \times (06 - 4) + 4 = 4 + (-4 + 6) \times 08!.$
$80645 := 8! \times (06 - 4) + 5 = 5 + (-4 + 6) \times 08!.$
$80646 := 8! \times (06 - 4) + 6 = 6 + (-4 + 6) \times 08!.$
$80647 := 8! \times (06 - 4) + 7 = 7 + (-4 + 6) \times 08!.$
$80648 := 8! \times (06 - 4) + 8 = 8 + (-4 + 6) \times 08!.$
$80649 := 8! \times (06 - 4) + 9 = 9 + (-4 + 6) \times 08!.$

$81360 := 8! \times (-1 + 3) + 6! + 0 = 0 + 6! + (3 - 1) \times 8!.$
$81361 := 8! \times (-1 + 3) + 6! + 1 = 1 + 6! + (3 - 1) \times 8!.$

$81362 := 8! \times (-1+3) + 6! + 2 = 2 + 6! + (3-1) \times 8!.$
$81363 := 8! \times (-1+3) + 6! + 3 = 3 + 6! + (3-1) \times 8!.$
$81364 := 8! \times (-1+3) + 6! + 4 = 4 + 6! + (3-1) \times 8!.$
$81365 := 8! \times (-1+3) + 6! + 5 = 5 + 6! + (3-1) \times 8!.$
$81366 := 8! \times (-1+3) + 6! + 6 = 6 + 6! + (3-1) \times 8!.$
$81367 := 8! \times (-1+3) + 6! + 7 = 7 + 6! + (3-1) \times 8!.$
$81368 := 8! \times (-1+3) + 6! + 8 = 8 + 6! + (3-1) \times 8!.$
$81369 := 8! \times (-1+3) + 6! + 9 = 9 + 6! + (3-1) \times 8!.$

$84960 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 0 = 0 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84961 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 1 = 1 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84962 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 2 = 2 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84963 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 3 = 3 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84964 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 4 = 4 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84965 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 5 = 5 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84966 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 6 = 6 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84967 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 7 = 7 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84968 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 8 = 8 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$
$84969 := 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 9 = 9 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!.$

$90720 := 9 \times 07! \times 2 + 0 = 0 + 2 \times 7! \times 09.$
$90721 := 9 \times 07! \times 2 + 1 = 1 + 2 \times 7! \times 09.$
$90722 := 9 \times 07! \times 2 + 2 = 2 + 2 \times 7! \times 09.$
$90723 := 9 \times 07! \times 2 + 3 = 3 + 2 \times 7! \times 09.$
$90724 := 9 \times 07! \times 2 + 4 = 4 + 2 \times 7! \times 09.$
$90725 := 9 \times 07! \times 2 + 5 = 5 + 2 \times 7! \times 09.$
$90726 := 9 \times 07! \times 2 + 6 = 6 + 2 \times 7! \times 09.$
$90727 := 9 \times 07! \times 2 + 7 = 7 + 2 \times 7! \times 09.$
$90728 := 9 \times 07! \times 2 + 8 = 8 + 2 \times 7! \times 09.$
$90729 := 9 \times 07! \times 2 + 9 = 9 + 2 \times 7! \times 09.$

$95760 := (\sqrt{9})!! \times (5! + 7 + 6) + 0 = 0 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95761 := (\sqrt{9})!! \times (5! + 7 + 6) + 1 = 1 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95762 := (\sqrt{9})!! \times (5! + 7 + 6) + 2 = 2 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95763 := (\sqrt{9})!! \times (5! + 7 + 6) + 3 = 3 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95764 := (\sqrt{9})!! \times (5! + 7 + 6) + 4 = 4 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95765 := (\sqrt{9})!! \times (5! + 7 + 6) + 5 = 5 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95766 := (\sqrt{9})!! \times (5! + 7 + 6) + 6 = 6 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95767 := (\sqrt{9})!! \times (5! + 7 + 6) + 7 = 7 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95768 := (\sqrt{9})!! \times (5! + 7 + 6) + 8 = 8 + (6 + 7 + 5!) \times (\sqrt{9})!!.$
$95769 := (\sqrt{9})!! \times (5! + 7 + 6) + 9 = 9 + (6 + 7 + 5!) \times (\sqrt{9})!!.$

## 2.2 Symmetrical Consecutive Representations in Order of Digits

$3780 := 3! \times 7!/8 + 0.$
$3781 := 3! \times 7!/8 + 1.$
$3782 := 3! \times 7!/8 + 2.$
$3783 := 3! \times 7!/8 + 3.$
$3784 := 3! \times 7!/8 + 4.$
$3785 := 3! \times 7!/8 + 5.$
$3786 := 3! \times 7!/8 + 6.$
$3787 := 3! \times 7!/8 + 7.$
$3788 := 3! \times 7!/8 + 8.$
$3789 := 3! \times 7!/8 + 9.$

$14400 := (1+4)!^{\sqrt{4}}+00.$
$14401 := (1+4)!^{\sqrt{4}}+01.$
$14402 := (1+4)!^{\sqrt{4}}+02.$
$14403 := (1+4)!^{\sqrt{4}}+03.$
$14404 := (1+4)!^{\sqrt{4}}+04.$
$14405 := (1+4)!^{\sqrt{4}}+05.$
$14406 := (1+4)!^{\sqrt{4}}+06.$
$14407 := (1+4)!^{\sqrt{4}}+07.$
$14408 := (1+4)!^{\sqrt{4}}+08.$
$14409 := (1+4)!^{\sqrt{4}}+09.$
$14410 := (1+4)!^{\sqrt{4}}+10.$
$14411 := (1+4)!^{\sqrt{4}}+11.$
$14412 := (1+4)!^{\sqrt{4}}+12.$
$14413 := (1+4)!^{\sqrt{4}}+13.$
$14414 := (1+4)!^{\sqrt{4}}+14.$
$14415 := (1+4)!^{\sqrt{4}}+15.$
$14416 := (1+4)!^{\sqrt{4}}+16.$
$14417 := (1+4)!^{\sqrt{4}}+17.$
$14418 := (1+4)!^{\sqrt{4}}+18.$
$14419 := (1+4)!^{\sqrt{4}}+19.$
$14420 := (1+4)!^{\sqrt{4}}+20.$
$14421 := (1+4)!^{\sqrt{4}}+21.$
$14422 := (1+4)!^{\sqrt{4}}+22.$
$14423 := (1+4)!^{\sqrt{4}}+23.$
$14424 := (1+4)!^{\sqrt{4}}+24.$
$14425 := (1+4)!^{\sqrt{4}}+25.$
$14426 := (1+4)!^{\sqrt{4}}+26.$
$14427 := (1+4)!^{\sqrt{4}}+27.$
$14428 := (1+4)!^{\sqrt{4}}+28.$
$14429 := (1+4)!^{\sqrt{4}}+29.$
$14430 := (1+4)!^{\sqrt{4}}+30.$
$14431 := (1+4)!^{\sqrt{4}}+31.$
$14432 := (1+4)!^{\sqrt{4}}+32.$
$14433 := (1+4)!^{\sqrt{4}}+33.$
$14434 := (1+4)!^{\sqrt{4}}+34.$
$14435 := (1+4)!^{\sqrt{4}}+35.$
$14436 := (1+4)!^{\sqrt{4}}+36.$
$14437 := (1+4)!^{\sqrt{4}}+37.$
$14438 := (1+4)!^{\sqrt{4}}+38.$
$14439 := (1+4)!^{\sqrt{4}}+39.$
$14440 := (1+4)!^{\sqrt{4}}+40.$
$14441 := (1+4)!^{\sqrt{4}}+41.$
$14442 := (1+4)!^{\sqrt{4}}+42.$
$14443 := (1+4)!^{\sqrt{4}}+43.$
$14444 := (1+4)!^{\sqrt{4}}+44.$
$14445 := (1+4)!^{\sqrt{4}}+45.$
$14446 := (1+4)!^{\sqrt{4}}+46.$
$14447 := (1+4)!^{\sqrt{4}}+47.$
$14448 := (1+4)!^{\sqrt{4}}+48.$
$14449 := (1+4)!^{\sqrt{4}}+49.$
$14450 := (1+4)!^{\sqrt{4}}+50.$
$14451 := (1+4)!^{\sqrt{4}}+51.$
$14452 := (1+4)!^{\sqrt{4}}+52.$
$14453 := (1+4)!^{\sqrt{4}}+53.$
$14454 := (1+4)!^{\sqrt{4}}+54.$
$14455 := (1+4)!^{\sqrt{4}}+55.$
$14456 := (1+4)!^{\sqrt{4}}+56.$
$14457 := (1+4)!^{\sqrt{4}}+57.$
$14458 := (1+4)!^{\sqrt{4}}+58.$
$14459 := (1+4)!^{\sqrt{4}}+59.$
$14460 := (1+4)!^{\sqrt{4}}+60.$
$14461 := (1+4)!^{\sqrt{4}}+61.$
$14462 := (1+4)!^{\sqrt{4}}+62.$

$14463 := (1+4)!^{\sqrt{4}}+63.$
$14464 := (1+4)!^{\sqrt{4}}+64.$
$14465 := (1+4)!^{\sqrt{4}}+65.$
$14466 := (1+4)!^{\sqrt{4}}+66.$
$14467 := (1+4)!^{\sqrt{4}}+67.$
$14468 := (1+4)!^{\sqrt{4}}+68.$
$14469 := (1+4)!^{\sqrt{4}}+69.$
$14470 := (1+4)!^{\sqrt{4}}+70.$
$14471 := (1+4)!^{\sqrt{4}}+71.$
$14472 := (1+4)!^{\sqrt{4}}+72.$
$14473 := (1+4)!^{\sqrt{4}}+73.$
$14474 := (1+4)!^{\sqrt{4}}+74.$
$14475 := (1+4)!^{\sqrt{4}}+75.$
$14476 := (1+4)!^{\sqrt{4}}+76.$
$14477 := (1+4)!^{\sqrt{4}}+77.$
$14478 := (1+4)!^{\sqrt{4}}+78.$
$14479 := (1+4)!^{\sqrt{4}}+79.$
$14480 := (1+4)!^{\sqrt{4}}+80.$
$14481 := (1+4)!^{\sqrt{4}}+81.$
$14482 := (1+4)!^{\sqrt{4}}+82.$
$14483 := (1+4)!^{\sqrt{4}}+83.$
$14484 := (1+4)!^{\sqrt{4}}+84.$
$14485 := (1+4)!^{\sqrt{4}}+85.$
$14486 := (1+4)!^{\sqrt{4}}+86.$
$14487 := (1+4)!^{\sqrt{4}}+87.$
$14488 := (1+4)!^{\sqrt{4}}+88.$
$14489 := (1+4)!^{\sqrt{4}}+89.$
$14490 := (1+4)!^{\sqrt{4}}+90.$
$14491 := (1+4)!^{\sqrt{4}}+91.$
$14492 := (1+4)!^{\sqrt{4}}+92.$
$14493 := (1+4)!^{\sqrt{4}}+93.$
$14494 := (1+4)!^{\sqrt{4}}+94.$
$14495 := (1+4)!^{\sqrt{4}}+95.$
$14496 := (1+4)!^{\sqrt{4}}+96.$
$14497 := (1+4)!^{\sqrt{4}}+97.$
$14498 := (1+4)!^{\sqrt{4}}+98.$
$14499 := (1+4)!^{\sqrt{4}}+99.$

$14520 := (1+4)! + 5!^2 + 0.$
$14521 := (1+4)! + 5!^2 + 1.$
$14522 := (1+4)! + 5!^2 + 2.$
$14523 := (1+4)! + 5!^2 + 3.$
$14524 := (1+4)! + 5!^2 + 4.$
$14525 := (1+4)! + 5!^2 + 5.$
$14526 := (1+4)! + 5!^2 + 6.$
$14527 := (1+4)! + 5!^2 + 7.$
$14528 := (1+4)! + 5!^2 + 8.$
$14529 := (1+4)! + 5!^2 + 9.$

$15630 := -1 + 5^6 + 3! + 0.$
$15631 := -1 + 5^6 + 3! + 1.$
$15632 := -1 + 5^6 + 3! + 2.$
$15633 := -1 + 5^6 + 3! + 3.$
$15634 := -1 + 5^6 + 3! + 4.$
$15635 := -1 + 5^6 + 3! + 5.$
$15636 := -1 + 5^6 + 3! + 6.$
$15637 := -1 + 5^6 + 3! + 7.$
$15638 := -1 + 5^6 + 3! + 8.$
$15639 := -1 + 5^6 + 3! + 9.$

$38440 := (3! + 8)^4 + 4! + 0.$
$38441 := (3! + 8)^4 + 4! + 1.$
$38442 := (3! + 8)^4 + 4! + 2.$
$38443 := (3! + 8)^4 + 4! + 3.$
$38444 := (3! + 8)^4 + 4! + 4.$
$38445 := (3! + 8)^4 + 4! + 5.$
$38446 := (3! + 8)^4 + 4! + 6.$
$38447 := (3! + 8)^4 + 4! + 7.$
$38448 := (3! + 8)^4 + 4! + 8.$
$38449 := (3! + 8)^4 + 4! + 9.$

$38760 := -3!! + 8! - 7!/6 + 0.$
$38761 := -3!! + 8! - 7!/6 + 1.$
$38762 := -3!! + 8! - 7!/6 + 2.$
$38763 := -3!! + 8! - 7!/6 + 3.$
$38764 := -3!! + 8! - 7!/6 + 4.$
$38765 := -3!! + 8! - 7!/6 + 5.$
$38766 := -3!! + 8! - 7!/6 + 6.$
$38767 := -3!! + 8! - 7!/6 + 7.$
$38768 := -3!! + 8! - 7!/6 + 8.$
$38769 := -3!! + 8! - 7!/6 + 9.$

$46680 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 0.$
$46681 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 1.$
$46682 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 2.$
$46683 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 3.$
$46684 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 4.$
$46685 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 5.$
$46686 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 6.$
$46687 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 7.$
$46688 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 8.$
$46689 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 9.$

$51840 := 5! \times 18 \times 4! + 0.$
$51841 := 5! \times 18 \times 4! + 1.$
$51842 := 5! \times 18 \times 4! + 2.$
$51843 := 5! \times 18 \times 4! + 3.$
$51844 := 5! \times 18 \times 4! + 4.$
$51845 := 5! \times 18 \times 4! + 5.$
$51846 := 5! \times 18 \times 4! + 6.$
$51847 := 5! \times 18 \times 4! + 7.$
$51848 := 5! \times 18 \times 4! + 8.$
$51849 := 5! \times 18 \times 4! + 9.$

$64800 := 6!^{\sqrt{4}}/8 + 00.$
$64801 := 6!^{\sqrt{4}}/8 + 01.$
$64802 := 6!^{\sqrt{4}}/8 + 02.$
$64803 := 6!^{\sqrt{4}}/8 + 03.$
$64804 := 6!^{\sqrt{4}}/8 + 04.$
$64805 := 6!^{\sqrt{4}}/8 + 05.$
$64806 := 6!^{\sqrt{4}}/8 + 06.$
$64807 := 6!^{\sqrt{4}}/8 + 07.$
$64808 := 6!^{\sqrt{4}}/8 + 08.$
$64809 := 6!^{\sqrt{4}}/8 + 09.$
$64810 := 6!^{\sqrt{4}}/8 + 10.$
$64811 := 6!^{\sqrt{4}}/8 + 11.$
$64812 := 6!^{\sqrt{4}}/8 + 12.$
$64813 := 6!^{\sqrt{4}}/8 + 13.$
$64814 := 6!^{\sqrt{4}}/8 + 14.$
$64815 := 6!^{\sqrt{4}}/8 + 15.$
$64816 := 6!^{\sqrt{4}}/8 + 16.$
$64817 := 6!^{\sqrt{4}}/8 + 17.$
$64818 := 6!^{\sqrt{4}}/8 + 18.$
$64819 := 6!^{\sqrt{4}}/8 + 19.$
$64820 := 6!^{\sqrt{4}}/8 + 20.$
$64821 := 6!^{\sqrt{4}}/8 + 21.$
$64822 := 6!^{\sqrt{4}}/8 + 22.$
$64823 := 6!^{\sqrt{4}}/8 + 23.$
$64824 := 6!^{\sqrt{4}}/8 + 24.$
$64825 := 6!^{\sqrt{4}}/8 + 25.$
$64826 := 6!^{\sqrt{4}}/8 + 26.$
$64827 := 6!^{\sqrt{4}}/8 + 27.$
$64828 := 6!^{\sqrt{4}}/8 + 28.$
$64829 := 6!^{\sqrt{4}}/8 + 29.$
$64830 := 6!^{\sqrt{4}}/8 + 30.$
$64831 := 6!^{\sqrt{4}}/8 + 31.$
$64832 := 6!^{\sqrt{4}}/8 + 32.$
$64833 := 6!^{\sqrt{4}}/8 + 33.$
$64834 := 6!^{\sqrt{4}}/8 + 34.$
$64835 := 6!^{\sqrt{4}}/8 + 35.$
$64836 := 6!^{\sqrt{4}}/8 + 36.$
$64837 := 6!^{\sqrt{4}}/8 + 37.$
$64838 := 6!^{\sqrt{4}}/8 + 38.$
$64839 := 6!^{\sqrt{4}}/8 + 39.$
$64850 := 6!^{\sqrt{4}}/8 + 50.$
$64851 := 6!^{\sqrt{4}}/8 + 51.$
$64852 := 6!^{\sqrt{4}}/8 + 52.$
$64853 := 6!^{\sqrt{4}}/8 + 53.$
$64854 := 6!^{\sqrt{4}}/8 + 54.$
$64855 := 6!^{\sqrt{4}}/8 + 55.$
$64856 := 6!^{\sqrt{4}}/8 + 56.$
$64857 := 6!^{\sqrt{4}}/8 + 57.$
$64858 := 6!^{\sqrt{4}}/8 + 58.$
$64859 := 6!^{\sqrt{4}}/8 + 59.$
$64860 := 6!^{\sqrt{4}}/8 + 60.$
$64861 := 6!^{\sqrt{4}}/8 + 61.$
$64862 := 6!^{\sqrt{4}}/8 + 62.$
$64863 := 6!^{\sqrt{4}}/8 + 63.$
$64864 := 6!^{\sqrt{4}}/8 + 64.$
$64865 := 6!^{\sqrt{4}}/8 + 65.$
$64866 := 6!^{\sqrt{4}}/8 + 66.$
$64867 := 6!^{\sqrt{4}}/8 + 67.$
$64868 := 6!^{\sqrt{4}}/8 + 68.$
$64869 := 6!^{\sqrt{4}}/8 + 69.$
$64870 := 6!^{\sqrt{4}}/8 + 70.$
$64871 := 6!^{\sqrt{4}}/8 + 71.$
$64872 := 6!^{\sqrt{4}}/8 + 72.$
$64873 := 6!^{\sqrt{4}}/8 + 73.$
$64874 := 6!^{\sqrt{4}}/8 + 74.$
$64875 := 6!^{\sqrt{4}}/8 + 75.$
$64876 := 6!^{\sqrt{4}}/8 + 76.$
$64877 := 6!^{\sqrt{4}}/8 + 77.$
$64878 := 6!^{\sqrt{4}}/8 + 78.$
$64879 := 6!^{\sqrt{4}}/8 + 79.$
$64880 := 6!^{\sqrt{4}}/8 + 80.$
$64881 := 6!^{\sqrt{4}}/8 + 81.$
$64882 := 6!^{\sqrt{4}}/8 + 82.$
$64883 := 6!^{\sqrt{4}}/8 + 83.$
$64884 := 6!^{\sqrt{4}}/8 + 84.$
$64885 := 6!^{\sqrt{4}}/8 + 85.$
$64886 := 6!^{\sqrt{4}}/8 + 86.$
$64887 := 6!^{\sqrt{4}}/8 + 87.$
$64888 := 6!^{\sqrt{4}}/8 + 88.$
$64889 := 6!^{\sqrt{4}}/8 + 89.$
$64890 := 6!^{\sqrt{4}}/8 + 90.$
$64891 := 6!^{\sqrt{4}}/8 + 91.$
$64892 := 6!^{\sqrt{4}}/8 + 92.$
$64893 := 6!^{\sqrt{4}}/8 + 93.$
$64894 := 6!^{\sqrt{4}}/8 + 94.$
$64895 := 6!^{\sqrt{4}}/8 + 95.$
$64896 := 6!^{\sqrt{4}}/8 + 96.$
$64897 := 6!^{\sqrt{4}}/8 + 97.$
$64898 := 6!^{\sqrt{4}}/8 + 98.$
$64899 := 6!^{\sqrt{4}}/8 + 99.$

$64980 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 0.$
$64981 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 1.$
$64982 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 2.$
$64983 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 3.$
$64984 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 4.$
$64985 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 5.$
$64986 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 6.$
$64987 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 7.$
$64988 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 8.$
$64989 := (6! + \sqrt{4}) \times (\sqrt{9})!!/8 + 9.$

$83520 := 8! + 3 \times 5!^2 + 0.$
$83521 := 8! + 3 \times 5!^2 + 1.$
$83522 := 8! + 3 \times 5!^2 + 2.$
$83523 := 8! + 3 \times 5!^2 + 3.$
$83524 := 8! + 3 \times 5!^2 + 4.$
$83525 := 8! + 3 \times 5!^2 + 5.$
$83526 := 8! + 3 \times 5!^2 + 6.$
$83527 := 8! + 3 \times 5!^2 + 7.$
$83528 := 8! + 3 \times 5!^2 + 8.$
$83529 := 8! + 3 \times 5!^2 + 9.$

$87360 := 8! \times (7 + 3!)/6 + 0.$
$87361 := 8! \times (7 + 3!)/6 + 1.$
$87362 := 8! \times (7 + 3!)/6 + 2.$
$87363 := 8! \times (7 + 3!)/6 + 3.$
$87364 := 8! \times (7 + 3!)/6 + 4.$
$87365 := 8! \times (7 + 3!)/6 + 5.$
$87366 := 8! \times (7 + 3!)/6 + 6.$
$87367 := 8! \times (7 + 3!)/6 + 7.$
$87368 := 8! \times (7 + 3!)/6 + 8.$
$87369 := 8! \times (7 + 3!)/6 + 9.$

$90540 := (9! - (0! + 5)!)/4 + 0.$
$90541 := (9! - (0! + 5)!)/4 + 1.$
$90542 := (9! - (0! + 5)!)/4 + 2.$

$90543 := (9! - (0! + 5)!)/4 + 3.$

$90544 := (9! - (0! + 5)!)/4 + 4.$

$90545 := (9! - (0! + 5)!)/4 + 5.$

$90546 := (9! - (0! + 5)!)/4 + 6.$

$90547 := (9! - (0! + 5)!)/4 + 7.$

$90548 := (9! - (0! + 5)!)/4 + 8.$

$90549 := (9! - (0! + 5)!)/4 + 9.$

$92160 := (\sqrt{9})!! \times 2^{1+6} + 0.$

$92161 := (\sqrt{9})!! \times 2^{1+6} + 1.$

$92162 := (\sqrt{9})!! \times 2^{1+6} + 2.$

$92163 := (\sqrt{9})!! \times 2^{1+6} + 3.$

$92164 := (\sqrt{9})!! \times 2^{1+6} + 4.$

$92165 := (\sqrt{9})!! \times 2^{1+6} + 5.$

$92166 := (\sqrt{9})!! \times 2^{1+6} + 6.$

$92167 := (\sqrt{9})!! \times 2^{1+6} + 7.$

$92168 := (\sqrt{9})!! \times 2^{1+6} + 8.$

$92169 := (\sqrt{9})!! \times 2^{1+6} + 9.$

## 2.3 Symmetrical Consecutive Representations in Reverse Order

$7920 := 0 + (2 + 9)!/7!.$

$7921 := 1 + (2 + 9)!/7!.$

$7922 := 2 + (2 + 9)!/7!.$

$7923 := 3 + (2 + 9)!/7!.$

$7924 := 4 + (2 + 9)!/7!.$

$7925 := 5 + (2 + 9)!/7!.$

$7926 := 6 + (2 + 9)!/7!.$

$7927 := 7 + (2 + 9)!/7!.$

$7928 := 8 + (2 + 9)!/7!.$

$7929 := 9 + (2 + 9)!/7!.$

$13440 := 0 + (4 + 4)!/3 \times 1.$

$13441 := 1 + (4 + 4)!/3 \times 1.$

$13442 := 2 + (4 + 4)!/3 \times 1.$

$13443 := 3 + (4 + 4)!/3 \times 1.$

$13444 := 4 + (4 + 4)!/3 \times 1.$

$13445 := 5 + (4 + 4)!/3 \times 1.$

$13446 := 6 + (4 + 4)!/3 \times 1.$

$13447 := 7 + (4 + 4)!/3 \times 1.$

$13448 := 8 + (4 + 4)!/3 \times 1.$

$13449 := 9 + (4 + 4)!/3 \times 1.$

$13680 := 0 + (8! + 6!)/3 \times 1.$

$13681 := 1 + (8! + 6!)/3 \times 1.$

$13682 := 2 + (8! + 6!)/3 \times 1.$

$13683 := 3 + (8! + 6!)/3 \times 1.$

$13684 := 4 + (8! + 6!)/3 \times 1.$

$13685 := 5 + (8! + 6!)/3 \times 1.$

$13686 := 6 + (8! + 6!)/3 \times 1.$

$13687 := 7 + (8! + 6!)/3 \times 1.$

$13688 := 8 + (8! + 6!)/3 \times 1.$

$13689 := 9 + (8! + 6!)/3 \times 1.$

$15120 := 0 + 21 \times (5 + 1)!.$

$15121 := 1 + 21 \times (5 + 1)!.$

$15122 := 2 + 21 \times (5 + 1)!.$

$15123 := 3 + 21 \times (5 + 1)!.$

$15124 := 4 + 21 \times (5 + 1)!.$

$15125 := 5 + 21 \times (5 + 1)!.$

$15126 := 6 + 21 \times (5 + 1)!.$

$15127 := 7 + 21 \times (5 + 1)!.$

$15128 := 8 + 21 \times (5 + 1)!.$

$15129 := 9 + 21 \times (5 + 1)!.$

$20160 := 0 + (6 + 1 + 0!)!/2.$

$20161 := 1 + (6 + 1 + 0!)!/2.$

$20162 := 2 + (6 + 1 + 0!)!/2.$

$20163 := 3 + (6 + 1 + 0!)!/2.$

$20164 := 4 + (6 + 1 + 0!)!/2.$

$20165 := 5 + (6 + 1 + 0!)!/2.$

$20166 := 6 + (6 + 1 + 0!)!/2.$

$20167 := 7 + (6 + 1 + 0!)!/2.$

$20168 := 8 + (6 + 1 + 0!)!/2.$

$20169 := 9 + (6 + 1 + 0!)!/2.$

$23040 := 0 + (4 - 0!)!! \times 32.$

$23041 := 1 + (4 - 0!)!! \times 32.$

$23042 := 2 + (4 - 0!)!! \times 32.$

$23043 := 3 + (4 - 0!)!! \times 32.$

$23044 := 4 + (4 - 0!)!! \times 32.$

$23045 := 5 + (4 - 0!)!! \times 32.$

$23046 := 6 + (4 - 0!)!! \times 32.$

$23047 := 7 + (4 - 0!)!! \times 32.$

$23048 := 8 + (4 - 0!)!! \times 32.$

$23049 := 9 + (4 - 0!)!! \times 32.$

$23340 := 0 + (4! + 3!^{3!})/2.$

$23341 := 1 + (4! + 3!^{3!})/2.$

$23342 := 2 + (4! + 3!^{3!})/2.$

$23343 := 3 + (4! + 3!^{3!})/2.$

$23344 := 4 + (4! + 3!^{3!})/2.$

$23345 := 5 + (4! + 3!^{3!})/2.$

$23346 := 6 + (4! + 3!^{3!})/2.$

$23347 := 7 + (4! + 3!^{3!})/2.$

$23348 := 8 + (4! + 3!^{3!})/2.$

$23349 := 9 + (4! + 3!^{3!})/2.$

$26880 := 0 + 8 \times 8!/(6 \times 2).$

$26881 := 1 + 8 \times 8!/(6 \times 2).$

$26882 := 2 + 8 \times 8!/(6 \times 2).$

$26883 := 3 + 8 \times 8!/(6 \times 2).$

$26884 := 4 + 8 \times 8!/(6 \times 2).$

$26885 := 5 + 8 \times 8!/(6 \times 2).$

$26886 := 6 + 8 \times 8!/(6 \times 2).$

$26887 := 7 + 8 \times 8!/(6 \times 2).$

$26888 := 8 + 8 \times 8!/(6 \times 2).$

$26889 := 9 + 8 \times 8!/(6 \times 2).$

$33840 := 0 + 48 \times 3!! - 3!!.$

$33841 := 1 + 48 \times 3!! - 3!!.$

$33842 := 2 + 48 \times 3!! - 3!!.$

$33843 := 3 + 48 \times 3!! - 3!!.$

$33844 := 4 + 48 \times 3!! - 3!!.$

$33845 := 5 + 48 \times 3!! - 3!!.$

$33846 := 6 + 48 \times 3!! - 3!!.$

$33847 := 7 + 48 \times 3!! - 3!!.$

$33848 := 8 + 48 \times 3!! - 3!!.$

$33849 := 9 + 48 \times 3!! - 3!!.$

$38160 := 0 + (61 - 8) \times 3!!.$

$38161 := 1 + (61 - 8) \times 3!!.$

$38162 := 2 + (61 - 8) \times 3!!.$

$38163 := 3 + (61 - 8) \times 3!!.$

$38164 := 4 + (61 - 8) \times 3!!.$

$38165 := 5 + (61 - 8) \times 3!!.$

$38166 := 6 + (61 - 8) \times 3!!.$

$38167 := 7 + (61 - 8) \times 3!!.$

$38168 := 8 + (61 - 8) \times 3!!.$

$38169 := 9 + (61 - 8) \times 3!!.$

$39840 := 0 + 4! + 8! - 9!/3!!.$

$39841 := 1 + 4! + 8! - 9!/3!!.$

$39842 := 2 + 4! + 8! - 9!/3!!.$

$39843 := 3 + 4! + 8! - 9!/3!!.$

$39844 := 4 + 4! + 8! - 9!/3!!.$

$39845 := 5 + 4! + 8! - 9!/3!!.$

$39846 := 6 + 4! + 8! - 9!/3!!.$

$39847 := 7 + 4! + 8! - 9!/3!!.$

$39848 := 8 + 4! + 8! - 9!/3!!.$

$39849 := 9 + 4! + 8! - 9!/3!!.$

$40680 := 0 + 8! + 6!/\sqrt{04}.$

$40681 := 1 + 8! + 6!/\sqrt{04}.$

$40682 := 2 + 8! + 6!/\sqrt{04}.$

$40683 := 3 + 8! + 6!/\sqrt{04}.$

$40684 := 4 + 8! + 6!/\sqrt{04}.$

$40685 := 5 + 8! + 6!/\sqrt{04}.$

$40686 := 6 + 8! + 6!/\sqrt{04}.$

$40687 := 7 + 8! + 6!/\sqrt{04}.$

$40688 := 8 + 8! + 6!/\sqrt{04}.$

$40689 := 9 + 8! + 6!/\sqrt{04}.$

$43560 := 0 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43561 := 1 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43562 := 2 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43563 := 3 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43564 := 4 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43565 := 5 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43566 := 6 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43567 := 7 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43568 := 8 + (6! + 5! \times 3!!)/\sqrt{4}.$

$43569 := 9 + (6! + 5! \times 3!!)/\sqrt{4}.$

$53240 := 0 + (4! - 2)^3 \times 5.$

$53241 := 1 + (4! - 2)^3 \times 5.$

$53242 := 2 + (4! - 2)^3 \times 5.$

$53243 := 3 + (4! - 2)^3 \times 5.$

$53244 := 4 + (4! - 2)^3 \times 5.$

$53245 := 5 + (4! - 2)^3 \times 5..$

$53246 := 6 + (4! - 2)^3 \times 5.$

$53247 := 7 + (4! - 2)^3 \times 5.$

$53248 := 8 + (4! - 2)^3 \times 5.$

$53249 := 9 + (4! - 2)^3 \times 5.$

$53880 := 0 + 8! + 8!/3 + 5!.$

$53881 := 1 + 8! + 8!/3 + 5!.$

$53882 := 2 + 8! + 8!/3 + 5!.$

$53883 := 3 + 8! + 8!/3 + 5!.$

$53884 := 4 + 8! + 8!/3 + 5!.$

$53885 := 5 + 8! + 8!/3 + 5!.$

$53886 := 6 + 8! + 8!/3 + 5!.$

$53887 := 7 + 8! + 8!/3 + 5!.$

$53888 := 8 + 8! + 8!/3 + 5!.$

$53889 := 9 + 8! + 8!/3 + 5!.$

$57960 := 0 + 69 \times 7 \times 5!.$

$57961 := 1 + 69 \times 7 \times 5!.$

$57962 := 2 + 69 \times 7 \times 5!.$

$57963 := 3 + 69 \times 7 \times 5!.$

$57964 := 4 + 69 \times 7 \times 5!.$

$57965 := 5 + 69 \times 7 \times 5!.$

$57966 := 6 + 69 \times 7 \times 5!.$

$57967 := 7 + 69 \times 7 \times 5!.$

$57968 := 8 + 69 \times 7 \times 5!.$

$57969 := 9 + 69 \times 7 \times 5!.$

$59050 := 0 + (5 \times 0)! + 9^5.$

$59051 := 1 + (5 \times 0)! + 9^5.$

$59052 := 2 + (5 \times 0)! + 9^5.$

$59053 := 3 + (5 \times 0)! + 9^5.$

$59054 := 4 + (5 \times 0)! + 9^5.$

$59055 := 5 + (5 \times 0)! + 9^5.$

$59056 := 6 + (5 \times 0)! + 9^5.$

$59057 := 7 + (5 \times 0)! + 9^5.$

$59058 := 8 + (5 \times 0)! + 9^5.$

$59059 := 9 + (5 \times 0)! + 9^5.$

$69120 := 0 + (2 + 1)!! \times 96.$

$69121 := 1 + (2 + 1)!! \times 96.$

$69122 := 2 + (2 + 1)!! \times 96.$

$69123 := 3 + (2 + 1)!! \times 96.$

$69124 := 4 + (2 + 1)!! \times 96.$

$69125 := 5 + (2 + 1)!! \times 96.$

$69126 := 6 + (2 + 1)!! \times 96.$

$69127 := 7 + (2 + 1)!! \times 96.$

$69128 := 8 + (2 + 1)!! \times 96.$

$69129 := 9 + (2 + 1)!! \times 96.$

$72590 := 0 + 9!/5 + 2 \times 7.$

$72591 := 1 + 9!/5 + 2 \times 7.$

$72592 := 2 + 9!/5 + 2 \times 7.$

$72593 := 3 + 9!/5 + 2 \times 7.$

$72594 := 4 + 9!/5 + 2 \times 7.$

$72595 := 5 + 9!/5 + 2 \times 7.$

$$72596 := 6 + 9!/5 + 2 \times 7.$$

$$72597 := 7 + 9!/5 + 2 \times 7.$$

$$72598 := 8 + 9!/5 + 2 \times 7.$$

$$72599 := 9 + 9!/5 + 2 \times 7.$$

$$80540 := 0 + \sqrt{4} \times (-50 + 8!).$$

$$80541 := 1 + \sqrt{4} \times (-50 + 8!).$$

$$80542 := 2 + \sqrt{4} \times (-50 + 8!).$$

$$80543 := 3 + \sqrt{4} \times (-50 + 8!).$$

$$80544 := 4 + \sqrt{4} \times (-50 + 8!).$$

$$80545 := 5 + \sqrt{4} \times (-50 + 8!).$$

$$80546 := 6 + \sqrt{4} \times (-50 + 8!).$$

$$80547 := 7 + \sqrt{4} \times (-50 + 8!).$$

$$80548 := 8 + \sqrt{4} \times (-50 + 8!).$$

$$80549 := 9 + \sqrt{4} \times (-50 + 8!).$$

$$86400 := 0 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86401 := 1 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86402 := 2 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86403 := 3 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86404 := 4 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86405 := 5 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86406 := 6 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86407 := 7 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86408 := 8 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

$$86409 := 9 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

# 3 Symmetrical Representations in Increasing and Decreasing Orders of Digits

This section is divided in three subsections. The first one is for representations on both ways, i.e., increasing and decreasing order of digits. Second is in increasing order of digits and third one is in decreasing order of digits. We observe that in case of increasing and decreasing order of digits the numbers are not in a proper sequential way as in previous section. Symmetrical consecutive representations are in short parts.

## 3.1 Symmetrical Representations in Both Ways - Increasing and Decreasing Order of Digits Jointly

$$720 := 0 + (\sqrt{2+7})!! = (\sqrt{7+2})!! + 0.$$

$$721 := 1 + (\sqrt{2+7})!! = (\sqrt{7+2})!! + 1.$$

$$722 := 2 + (\sqrt{2+7})!! = (\sqrt{7+2})!! + 2.$$

$$727 := (\sqrt{2+7})!! + 7 = 7 + (\sqrt{7+2})!!.$$

$$728 := (\sqrt{2+7})!! + 8 = 8 + (\sqrt{7+2})!!.$$

$$729 := (\sqrt{2+7})!! + 9 = 9 + (\sqrt{7+2})!!.$$

$$1444 := (-1+4)!! \times \sqrt{4} + 4 = 4 + \sqrt{4} \times (4-1)!!.$$

$$1445 := (-1+4)!! \times \sqrt{4} + 5 = 5 + \sqrt{4} \times (4-1)!!.$$

$$1446 := (-1+4)!! \times \sqrt{4} + 6 = 6 + \sqrt{4} \times (4-1)!!.$$

$$1447 := (-1+4)!! \times \sqrt{4} + 7 = 7 + \sqrt{4} \times (4-1)!!.$$

$$1448 := (-1+4)!! \times \sqrt{4} + 8 = 8 + \sqrt{4} \times (4-1)!!.$$

$$1449 := (-1+4)!! \times \sqrt{4} + 9 = 9 + \sqrt{4} \times (4-1)!!.$$

$$2160 := 0 + (1+2) \times 6! = 6! \times (2+1) + 0.$$

$$2161 := 1 + (1+2) \times 6! = 6! \times (2+1) + 1.$$

$$2166 := (1+2) \times 6! + 6 = 6 + 6! \times (2+1).$$

$$2167 := (1+2) \times 6! + 7 = 7 + 6! \times (2+1).$$

$$2168 := (1+2) \times 6! + 8 = 8 + 6! \times (2+1).$$

$$2169 := (1+2) \times 6! + 9 = 9 + 6! \times (2+1).$$

$$3600 := 0 + (-0! + 3!) \times 6! = 6! \times (3! - 0!) + 0.$$

$$3601 := 0! + (-1 + 3!) \times 6! = 6! \times (3! - 1) + 0!.$$

$$3606 := (-0! + 3!) \times 6! + 6 = 6 + 6! \times (3! - 0!).$$

$$3607 := (-0! + 3!) \times 6! + 7 = 7 + 6! \times (3! - 0!).$$

$$3608 := (-0! + 3!) \times 6! + 8 = 8 + 6! \times (3! - 0!).$$

$$3609 := (-0! + 3!) \times 6! + 9 = 9 + 6! \times (3! - 0!).$$

$$5034 := -0! + (3+4)! - 5 = -5 + (4+3)! - 0!.$$

$$5035 := (-0! + 3 + 5)! - 5 = -5 + (5 + 3 - 0!)!.$$

$5040 := 00 + (\sqrt{4}+5)! = (5+\sqrt{4})! + 0 \times 0!.$

$5041 := 01 + (\sqrt{4}+5)! = (5+\sqrt{4})! + 1 \times 0!.$

$5042 := 02 + (\sqrt{4}+5)! = (5+\sqrt{4})! + 2 \times 0!.$

$5043 := 03 + (\sqrt{4}+5)! = (5+\sqrt{4})! + 3 \times 0!.$

$5044 := 04 + (\sqrt{4}+5)! = (5+\sqrt{4})! + 4 \times 0!.$

$5045 := (\sqrt{04}+5)! + 5 = 5 + (5+\sqrt{4})! \times 0!.$

$5046 := (\sqrt{04}+5)! + 6 = 6 + (5+\sqrt{4})! \times 0!.$

$5047 := (\sqrt{04}+5)! + 7 = 7 + (5+\sqrt{4})! \times 0!.$

$5048 := (\sqrt{04}+5)! + 8 = 8 + (5+\sqrt{4})! \times 0!.$

$5049 := (\sqrt{04}+5)! + 9 = 9 + (5+\sqrt{4})! \times 0!.$

$5760 := 0 + 5! \times 6 + 7! = 7! + 6 \times 5! + 0.$

$5761 := 1 + 5! \times 6 + 7! = 7! + 6 \times 5! + 1.$

$5762 := 2 + 5! \times 6 + 7! = 7! + 6 \times 5! + 2.$

$5763 := 3 + 5! \times 6 + 7! = 7! + 6 \times 5! + 3.$

$5764 := 4 + 5! \times 6 + 7! = 7! + 6 \times 5! + 4.$

$5765 := 5 + 5! \times 6 + 7! = 7! + 6 \times 5! + 5.$

$5766 := 5! \times 6 + 6 + 7! = 7! + 6 + 6 \times 5!.$

$5767 := 5! \times 6 + 7 + 7! = 7! + 7 + 6 \times 5!.$

$5768 := 5! \times 6 + 7! + 8 = 8 + 7! + 6 \times 5!.$

$5769 := 5! \times 6 + 7! + 9 = 9 + 7! + 6 \times 5!.$

$16566 := (-1+5)! \times 6! - 6! + 6 = 6 - 6! + 6! \times (5-1)!.$

$16567 := (-1+5)! \times 6! - 6! + 7 = 7 - 6! + 6! \times (5-1)!.$

$16568 := (-1+5)! \times 6! - 6! + 8 = 8 - 6! + 6! \times (5-1)!.$

$16569 := (-1+5)! \times 6! - 6! + 9 = 9 - 6! + 6! \times (5-1)!.$

$19690 := 0 + 1 + 6 + \sqrt{9^9} = \sqrt{9^9} + 6 + 1 + 0.$

$19691 := 1 + 1 + 6 + \sqrt{9^9} = \sqrt{9^9} + 6 + 1 + 1.$

$19692 := 1 + 2 + 6 + \sqrt{9^9} = \sqrt{9^9} + 6 + 2 + 1.$

$19693 := 1 + 3 + 6 + \sqrt{9^9} = \sqrt{9^9} + 6 + 3 + 1.$

$19694 := 1 + 4 + 6 + \sqrt{9^9} = \sqrt{9^9} + 6 + 4 + 1.$

$19695 := 1 + 5 + 6 + \sqrt{9^9} = \sqrt{9^9} + 6 + 5 + 1.$

$19696 := 1 + 6 + 6 + \sqrt{9^9} = \sqrt{9^9} + 6 + 6 + 1.$

$19697 := 1 + 6 + 7 + \sqrt{9^9} = \sqrt{9^9} + 7 + 6 + 1.$

$19698 := 1 + 6 + 8 + \sqrt{9^9} = \sqrt{9^9} + 8 + 6 + 1.$

$19699 := 1 + 6 + 9 + \sqrt{9^9} = \sqrt{9^9} + 9 + 6 + 1.$

$30240 := 0 + (0!+2)! \times (3+4)! = (4+3)! \times (2+1)! + 0.$

$30241 := 0! + (1+2)! \times (3+4)! = (4+3)! \times (2+1)! + 0!.$

$30244 := (0!+2)! \times (3+4)! + 4 = 4 + (4+3)! \times (2+0!)!.$

$30245 := (0!+2)! \times (3+4)! + 5 = 5 + (4+3)! \times (2+0!)!.$

$30246 := (0!+2)! \times (3+4)! + 6 = 6 + (4+3)! \times (2+0!)!.$

$30247 := (0!+2)! \times (3+4)! + 7 = 7 + (4+3)! \times (2+0!)!.$

$30248 := (0!+2)! \times (3+4)! + 8 = 8 + (4+3)! \times (2+0!)!.$

$30249 := (0!+2)! \times (3+4)! + 9 = 9 + (4+3)! \times (2+0!)!.$

$34560 := 0 + (3+45) \times 6! = 6! \times (5+43) + 0.$

$34561 := 1 + (3+45) \times 6! = 6! \times (5+43) + 1.$

$34562 := 2 + (3+45) \times 6! = 6! \times (5+43) + 2.$

$34563 := 3 + (3+45) \times 6! = 6! \times (5+43) + 3.$

$34566 := (3+45) \times 6! + 6 = 6 + 6! \times (5+43).$

$34567 := (3+45) \times 6! + 7 = 7 + 6! \times (5+43).$

$34568 := (3+45) \times 6! + 8 = 8 + 6! \times (5+43).$

$34569 := (3+45) \times 6! + 9 = 9 + 6! \times (5+43).$

$35285 := -(2 \times 3! - 5)! + 5 + 8! = 8! + 5 - (-5 + 3! \times 2)!.$

$35286 := -(2 \times 3! - 5)! + 6 + 8! = 8! + 6 - (-5 + 3! \times 2)!.$

$35287 := -(2 \times 3! - 5)! + 7 + 8! = 8! + 7 - (-5 + 3! \times 2)!.$

$35288 := -(2 \times 3! - 5)! + 8 + 8! = 8! + 8 - (-5 + 3! \times 2)!.$

$35289 := -(2 \times 3! - 5)! + 8! + 9 = 9 + 8! - (-5 + 3! \times 2)!.$

$37440 := 0 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 0.$

$37441 := 1 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 1.$

$37442 := 2 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 2.$

$37443 := 3 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 3.$

$37447 := 3!! \times (4! + 4 \times 7) + 7 = 7 + (7 \times 4 + 4!) \times 3!!.$

$37448 := 3!! \times (4! + 4 \times 7) + 8 = 8 + (7 \times 4 + 4!) \times 3!!.$

$37449 := 3!! \times (4! + 4 \times 7) + 9 = 9 + (7 \times 4 + 4!) \times 3!!.$

$38160 := 0 \times 1 - 3 \times 6! + 8! = 8! - 6! \times 3 + 1 \times 0.$

$38161 := 1 \times 1 - 3 \times 6! + 8! = 8! - 6! \times 3 + 1 \times 1.$

$38162 := 1 \times 2 - 3 \times 6! + 8! = 8! - 6! \times 3 + 2 \times 1.$

$38163 := 1 \times 3 - 3 \times 6! + 8! = 8! - 6! \times 3 + 3 \times 1.$

$38166 := -1 \times 3 \times 6! + 6 + 8! = 8! + 6 - 6! \times 3 \times 1.$

$38167 := -1 \times 3 \times 6! + 7 + 8! = 8! + 7 - 6! \times 3 \times 1.$

$38168 := -1 \times 3 \times 6! + 8 + 8! = 8! + 8 - 6! \times 3 \times 1.$

$38169 := -1 \times 3 \times 6! + 8! + 9 = 9 + 8! - 6! \times 3 \times 1.$

$40324 := (-0! + 2 + 3 + 4)! + 4 = 4 + (-4 \times 3 + 20)!.$

$40325 := (-0! + 2 + 3 + 4)! + 5 = 5 + (-4 \times 3 + 20)!.$

$40326 := (-0! + 2 + 3 + 4)! + 6 = 6 + (-4 \times 3 + 20)!.$

$40327 := (-0! + 2 + 3 + 4)! + 7 = 7 + (-4 \times 3 + 20)!.$

$40328 := (-0! + 2 + 3 + 4)! + 8 = 8 + (-4 \times 3 + 20)!.$

$40329 := (-0! + 2 + 3 + 4)! + 9 = 9 + (-4 \times 3 + 20)!.$

$40484 := (0! + 4)! + 44 + 8! = 8! + 4 + 4 \times 40.$

$40485 := (0! + 4)! + 45 + 8! = 8! + 5 + 4 \times 40.$

$40486 := (0! + 4)! + 46 + 8! = 8! + 6 + 4 \times 40.$

$40487 := (0! + 4)! + 47 + 8! = 8! + 7 + 4 \times 40.$

$40488 := (0! + 4)! + 48 + 8! = 8! + 8 + 4 \times 40.$

$45360 := (65 - \sqrt{4}) \times 3!! + 0 = 0 + 3!!/\sqrt{4} \times (5! + 6).$

$45361 := (65 - \sqrt{4}) \times 3!! + 1 = 1 + 3!!/\sqrt{4} \times (5! + 6).$

$45362 := (65 - \sqrt{4}) \times 3!! + 2 = 2 + 3!!/\sqrt{4} \times (5! + 6).$

$45363 := (65 - \sqrt{4}) \times 3!! + 3 = 3 + 3!!/\sqrt{4} \times (5! + 6).$

$45366 := 3!!/\sqrt{4} \times (5! + 6) + 6 = 6 + (65 - \sqrt{4}) \times 3!!.$

$45367 := 3!!/\sqrt{4} \times (5! + 6) + 7 = 7 + (65 - \sqrt{4}) \times 3!!.$

$45368 := 3!!/\sqrt{4} \times (5! + 6) + 8 = 8 + (65 - \sqrt{4}) \times 3!!.$

$45369 := 3!!/\sqrt{4} \times (5! + 6) + 9 = 9 + (65 - \sqrt{4}) \times 3!!.$

$46560 := 0 + 4! - 5! + 6^6 = 6^6 - 5! + 4! + 0.$

$46561 := 1 + 4! - 5! + 6^6 = 6^6 - 5! + 4! + 1.$

$46562 := 2 + 4! - 5! + 6^6 = 6^6 - 5! + 4! + 2.$

$46563 := 3 + 4! - 5! + 6^6 = 6^6 - 5! + 4! + 3.$

$46564 := 4 + 4! - 5! + 6^6 = 6^6 - 5! + 4! + 4.$

$46565 := 4! - 5! + 5 + 6^6 = 6^6 + 5 - 5! + 4!.$

$46566 := 4! - 5! + 6 + 6^6 = 6^6 + 6 - 5! + 4!.$

$46567 := 4! - 5! + 6^6 + 7 = 6^6 + 7 - 5! + 4!.$

$46568 := 4! - 5! + 6^6 + 8 = 8 + 6^6 - 5! + 4!.$

$46569 := 4! - 5! + 6^6 + 9 = 9 + 6^6 - 5! + 4!.$

$46640 := 0 - 4 \times 4 + 6^6 = 6^6 - 4 \times 4 + 0.$

$46641 := 1 - 4 \times 4 + 6^6 = 6^6 - 4 \times 4 + 1.$

$46642 := 2 - 4 \times 4 + 6^6 = 6^6 - 4 \times 4 + 2.$

$46643 := 3 - 4 \times 4 + 6^6 = 6^6 - 4 \times 4 + 3.$

$46644 := -4 \times 4 + 4 + 6^6 = 6^6 + 4 - 4 \times 4.$

$46645 := -4 \times 4 + 5 + 6^6 = 6^6 + 5 - 4 \times 4.$

$46646 := -4 \times 4 + 6 + 6^6 = 6^6 + 6 - 4 \times 4.$

$46647 := -4 \times 4 + 6^6 + 7 = 7 + 6^6 - 4 \times 4.$

$46648 := -4 \times 4 + 6^6 + 8 = 8 + 6^6 - 4 \times 4.$

$46649 := -4 \times 4 + 6^6 + 9 = 9 + 6^6 - 4 \times 4.$

$48960 := 0 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 0.$

$48961 := 1 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 1.$

$48962 := 2 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 2.$

$48963 := 3 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 3.$

$48964 := 4 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 4.$

$75690 := 0 + 5 \times (6 + 7!) \times \sqrt{9} = \sqrt{9} \times (7! + 6) \times 5 + 0.$

$75691 := 1 + 5 \times (6 + 7!) \times \sqrt{9} = \sqrt{9} \times (7! + 6) \times 5 + 1.$

$75692 := 2 + 5 \times (6 + 7!) \times \sqrt{9} = \sqrt{9} \times (7! + 6) \times 5 + 2.$

$75693 := 3 + 5 \times (6 + 7!) \times \sqrt{9} = \sqrt{9} \times (7! + 6) \times 5 + 3.$

$75694 := 4 + 5 \times (6 + 7!) \times \sqrt{9} = \sqrt{9} \times (7! + 6) \times 5 + 4.$

$75695 := 5 + 5 \times (6 + 7!) \times \sqrt{9} = \sqrt{9} \times (7! + 6) \times 5 + 5.$

$75699 := 5 \times (6 + 7!) \times \sqrt{9} + 9 = 9 + \sqrt{9} \times (7! + 6) \times 5.$

$80640 := 00 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 0 \times 0!.$

$80641 := 01 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 1 \times 0!.$

$80642 := 02 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 2 \times 0!.$

$80643 := 03 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 3 \times 0!.$

$80644 := 04 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 4 \times 0!.$

$80648 := (-04 + 6) \times 8! + 8 = 8 + 8! \times (6 - 4 \times 0!).$

$80649 := (-04 + 6) \times 8! + 9 = 9 + 8! \times (6 - 4 \times 0!).$

$83520 := 0 + 2 \times 3!! \times 58 = 8! + 5! \times 3!!/2 + 0.$

$83521 := 1 + 2 \times 3!! \times 58 = 8! + 5! \times 3!!/2 + 1.$

$$83522 := 2+2\times 3!!\times 58 = 8!+5!\times 3!!/2+2.$$

$$83528 := 2\times 3!!\times 58+8 = 8!+8+5!\times 3!!/2.$$

$$83529 := 2\times 3!!\times 58+9 = 9+8!+5!\times 3!!/2.$$

$$85560 := 0+5!+5!\times(6!-8) = (-8+6!)\times 5!+5!+0.$$

$$85561 := 1+5!+5!\times(6!-8) = (-8+6!)\times 5!+5!+1.$$

$$85562 := 2+5!+5!\times(6!-8) = (-8+6!)\times 5!+5!+2.$$

$$85563 := 3+5!+5!\times(6!-8) = (-8+6!)\times 5!+5!+3.$$

$$85564 := 4+5!+5!\times(6!-8) = (-8+6!)\times 5!+5!+4.$$

$$85565 := 5+5!+5!\times(6!-8) = (-8+6!)\times 5!+5!+5.$$

$$85568 := 5!+5!\times(6!-8)+8 = 8+(-8+6!)\times 5!+5!.$$

$$85569 := 5!+5!\times(6!-8)+9 = 9+(-8+6!)\times 5!+5!.$$

$$39606 := (-0!+3+6)!+6-(\sqrt{9})!! = -(\sqrt{9})!!+6+(\sqrt{63+0!})!.$$

$$39607 := (-0!+3+6)!+7-(\sqrt{9})!! = -(\sqrt{9})!!+7+(\sqrt{63+0!})!.$$

$$39608 := (-0!+3+6)!+8-(\sqrt{9})!! = -(\sqrt{9})!!+8+(\sqrt{63+0!})!.$$

$$39609 := (-0!+3+6)!+9-(\sqrt{9})!! = -(\sqrt{9})!!+9+(\sqrt{63+0!})!.$$

$$44640 := 0+\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6! = 6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)+0.$$

$$44641 := 1+\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6! = 6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)+1.$$

$$44642 := 2+\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6! = 6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)+2.$$

$$44643 := 3+\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6! = 6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)+3.$$

$$44644 := 4+\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6! = 6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)+4.$$

$$44646 := \left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6!+6 = 6+6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right).$$

$$44647 := \left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6!+7 = 7+6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right).$$

$$44648 := \left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6!+8 = 8+6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right).$$

$$44649 := \left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right)\times 6!+9 = 9+6!\times\left(\sqrt{\sqrt{\sqrt{4^{4!}}}}-\sqrt{4}\right).$$

$$79920 := 0+((-2+7)!-9)\times(\sqrt{9})!! = (\sqrt{9})!!\times(-9+(7-2)!)+0.$$

$$79921 := 1+((-2+7)!-9)\times(\sqrt{9})!! = (\sqrt{9})!!\times(-9+(7-2)!)+1.$$

$$79922 := 2+((-2+7)!-9)\times(\sqrt{9})!! = (\sqrt{9})!!\times(-9+(7-2)!)+2.$$

## 3.2 Symmetrical Representations in Increasing Order of Digits

$$10080 := 0+(0!+0!)\times(-1+8)!.$$

$$10081 := 0!+(0!+1)\times(-1+8)!.$$

$$10088 := (0!+0!)\times(-1+8)!+8.$$

$$10089 := (0!+0!)\times(-1+8)!+9.$$

$$14400 := 00+\sqrt{(1+4)!^4}.$$

$$14401 := 01+\sqrt{(1+4)!^4}.$$

$$14407 := \sqrt{(01+4)!^4}+7.$$

$$14408 := \sqrt{(01+4)!^4}+8.$$

$$14409 := \sqrt{(01+4)!^4}+9.$$

$14444 := \sqrt{(1+4)!^4} + 44.$

$14445 := \sqrt{(1+4)!^4} + 45.$

$14446 := \sqrt{(1+4)!^4} + 46.$

$14447 := \sqrt{(1+4)!^4} + 47.$

$14448 := \sqrt{(1+4)!^4} + 48.$

$14449 := \sqrt{(1+4)!^4} + 49.$

$14455 := \sqrt{(1+4)!^4} + 55.$

$14456 := \sqrt{(1+4)!^4} + 56.$

$14457 := \sqrt{(1+4)!^4} + 57.$

$14458 := \sqrt{(1+4)!^4} + 58.$

$14459 := \sqrt{(1+4)!^4} + 59.$

$14466 := \sqrt{(1+4)!^4} + 66.$

$14467 := \sqrt{(1+4)!^4} + 67.$

$14468 := \sqrt{(1+4)!^4} + 68.$

$14469 := \sqrt{(1+4)!^4} + 69.$

$14477 := \sqrt{(1+4)!^4} + 77.$

$14478 := \sqrt{(1+4)!^4} + 78.$

$14479 := \sqrt{(1+4)!^4} + 79.$

$14488 := \sqrt{(1+4)!^4} + 88.$

$14489 := \sqrt{(1+4)!^4} + 89.$

$15506 := 01 - 5! + 5^6.$

$15516 := 11 - 5! + 5^6.$

$15636 := -1 + 3! + 5^6 + 6.$

$15637 := -1 + 3! + 5^6 + 7.$

$15638 := -1 + 3! + 5^6 + 8.$

$15639 := -1 + 3! + 5^6 + 9.$

$16560 := 0 + (-1+5)! \times 6! - 6!.$

$16561 := 1 + (-1+5)! \times 6! - 6!.$

$25942 := 22 + 4! \times 5! \times 9.$

$25943 := 23 + 4! \times 5! \times 9.$

$25944 := 24 + 4! \times 5! \times 9.$

$33840 := 0 - 3!! + 3!! \times 48.$

$33841 := 1 - 3!! + 3!! \times 48.$

$33842 := 2 - 3!! + 3!! \times 48.$

$33843 := 3 - 3!! + 3!! \times 48.$

$33844 := -3!! \times \sqrt{3^4} + 4 + 8!.$

$33845 := -3!! \times \sqrt{3^4} + 5 + 8!.$

$33846 := -3!! \times \sqrt{3^4} + 6 + 8!.$

$33847 := -3!! \times \sqrt{3^4} + 7 + 8!.$

$33848 := -3!! \times \sqrt{3^4} + 8 + 8!.$

$33849 := -3!! \times \sqrt{3^4} + 8! + 9.$

$34626 := 2 \times 3!! \times 4! + 66.$

$34627 := 2 \times 3!! \times 4! + 67.$

$34628 := 2 \times 3!! \times 4! + 68.$

$34629 := 2 \times 3!! \times 4! + 69.$

$46080 := 0 + (1+4)! \times 6! - 8!.$

$46081 := 0! + (1+4)! \times 6! - 8!.$

$46086 := (0!+4)! \times 6! + 6 - 8!.$

$46087 := (0!+4)! \times 6! + 7 - 8!.$

$46088 := (0!+4)! \times 6! + 8 - 8!.$

$46089 := (0!+4)! \times 6! - 8! + 9.$

$46660 := 0 + 4!/6 + 6^6.$

$46661 := 1 + 4!/6 + 6^6.$

$46662 := 2 + 4!/6 + 6^6.$

$46663 := 3 + 4!/6 + 6^6.$

$46664 := 4 + 4!/6 + 6^6.$

$46666 := 4!/6 + 6^6 + 6.$

$46667 := 4!/6 + 6^6 + 7.$

$46668 := 4!/6 + 6^6 + 8.$

$46669 := 4!/6 + 6^6 + 9.$

$46680 := 0 + 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46681 := 1 + 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46682 := 2 + 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46683 := 3 + 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46684 := 4 + 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46685 := 4! + 5 + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46686 := 4! + 6 + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46687 := 4! + 6^6 + \sqrt{\sqrt{\sqrt{7^8}}}.$

$46688 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 8.$

$46689 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 9.$

$46693 := 34 + 6^6 + \sqrt{9}.$

$46694 := 44 + 6^6 - (\sqrt{9})!.$

$46695 := 45 + 6^6 - (\sqrt{9})!.$

$46696 := 46 + 6^6 - (\sqrt{9})!.$

$56160 := 0 + (\sqrt{1+5!})!/6! + 6!.$

$56161 := 1 + (\sqrt{1+5!})!/6! + 6!.$

$56166 := (\sqrt{1+5!})!/6! + 6! + 6.$

$56167 := (\sqrt{1+5!})!/6! + 6! + 7.$

$56168 := (\sqrt{1+5!})!/6! + 6! + 8.$

$56169 := (\sqrt{1+5!})!/6! + 6! + 9.$

$57460 := 0 + 4 \times 5^6 - 7!.$

$57461 := 1 + 4 \times 5^6 - 7!.$

$57462 := 2 + 4 \times 5^6 - 7!.$

$57463 := 3 + 4 \times 5^6 - 7!.$

$57464 := 4 + 4 \times 5^6 - 7!.$

$57466 := 4 \times 5^6 + 6 - 7!.$

$57467 := 4 \times 5^6 + 7 - 7!.$

$57468 := 4 \times 5^6 - 7! + 8.$

$57469 := 4 \times 5^6 - 7! + 9.$

$64800 := 0 + (-0!+4)!! \times 6!/8.$

$64801 := 0! + (-1+4)!! \times 6!/8.$

$64806 := (-0!+4)! + 6! \times 6!/8.$

$64808 := (-0!+4)!! \times 6!/8 + 8.$

$64809 := (-0!+4)!! \times 6!/8 + 9.$

$66240 := 0 + 2 \times 46 \times 6!.$

$66241 := 1 + 2 \times 46 \times 6!.$

$66242 := 2 + 2 \times 46 \times 6!.$

$66246 := 2 \times 46 \times 6! + 6.$

$66247 := 2 \times 46 \times 6! + 7.$

$66248 := 2 \times 46 \times 6! + 8.$

$66249 := 2 \times 46 \times 6! + 9.$

$67540 := 0 + 4 \times 5^6 + 7!.$

$67541 := 1 + 4 \times 5^6 + 7!.$

$67542 := 2 + 4 \times 5^6 + 7!.$

$67543 := 3 + 4 \times 5^6 + 7!.$

$67544 := 4 + 4 \times 5^6 + 7!.$

$67546 := 4 \times 5^6 + 6 + 7!.$

$67547 := 4 \times 5^6 + 7 + 7!.$

$67548 := 4 \times 5^6 + 7! + 8.$

$67549 := 4 \times 5^6 + 7! + 9.$

$73440 := 0 + (-3! + 4!)!/(\sqrt{4} \times 7)!.$

$73441 := 1 + (-3! + 4!)!/(\sqrt{4} \times 7)!.$

$73442 := 2 + (-3! + 4!)!/(\sqrt{4} \times 7)!.$

$73443 := 3 + (-3! + 4!)!/(\sqrt{4} \times 7)!.$

$73447 := (-3! + 4!)!/(\sqrt{4} \times 7)! + 7.$

$73448 := (-3! + 4!)!/(\sqrt{4} \times 7)! + 8.$

$73449 := (-3! + 4!)!/(\sqrt{4} \times 7)! + 9.$

$86400 := 0 + (1 + 4)! \times (\sqrt{\sqrt{\sqrt{6^8}}})!.$

$86401 := 0! + (1 + 4)! \times (\sqrt{\sqrt{\sqrt{6^8}}})!.$

$86406 := (0! + 4)! \times 6! + \sqrt{\sqrt{\sqrt{6^8}}}.$

$86407 := (0! + 4)! \times 6! + \sqrt{\sqrt{\sqrt{7^8}}}.$

## 3.3 Symmetrical Representations in Decreasing Order of Digits

$13440 := (4 + 4)!/3 + 1 \times 0.$

$13441 := (4 + 4)!/3 + 1 \times 1.$

$13442 := (4 + 4)!/3 + 2 \times 1.$

$13443 := (4 + 4)!/3 + 3 \times 1.$

$13444 := 4 + (4 + 4)!/3 \times 1.$

$13445 := 5 + (4 + 4)!/3 \times 1.$

$13446 := 6 + (4 + 4)!/3 \times 1.$

$13447 := 7 + (4 + 4)!/3 \times 1.$

$13448 := 8 + (4 + 4)!/3 \times 1.$

$13449 := 9 + (4 + 4)!/3 \times 1.$

$13688 := 8 + (8! + 6!)/3 \times 1.$

$13689 := 9 + (8! + 6!)/3 \times 1.$

$14415 := \sqrt{5!^4} + 4 + 11.$

$14425 := \sqrt{5!^4} + 4 + 21.$

$14435 := \sqrt{5!^4} + 4 + 31.$

$14445 := \sqrt{5!^4} + 4 + 41.$

$14500 := \sqrt{5!^4} + 100.$

$14510 := \sqrt{5!^4} + 110.$

$14511 := \sqrt{5!^4} + 111.$

$15633 := 6 + 5^{3!} + 3 - 1.$

$15635 := 6 + 5 + 5^{3!} - 1.$

$15636 := 6 + 6 + 5^{3!} - 1.$

$15637 := 7 + 6 + 5^{3!} - 1.$

$15638 := 8 + 6 + 5^{3!} - 1.$

$15639 := 9 + 6 + 5^{3!} - 1.$

$20166 := 6 + (6 + 2)!/(1 + 0!).$

$20167 := 7 + (6 + 2)!/(1 + 0!).$

$20168 := 8 + (6 + 2)!/(1 + 0!).$

$20169 := 9 + (6 + 2)!/(1 + 0!).$

$23340 := (4! + 3!^{3!})/2 + 0.$

$23341 := (4! + 3!^{3!})/2 + 1.$

$23342 := (4! + 3!^{3!})/2 + 2.$

$23344 := 4 + (4! + 3!^{3!})/2.$

$23345 := 5 + (4! + 3!^{3!})/2.$

$23346 := 6 + (4! + 3!^{3!})/2.$

$23347 := 7 + (4! + 3!^{3!})/2.$

$23348 := 8 + (4! + 3!^{3!})/2.$

$23349 := 9 + (4! + 3!^{3!})/2.$

$25920 := 9!/((5 + 2) \times 2) + 0.$

$25921 := 9!/((5 + 2) \times 2) + 1.$

$25922 := 9!/((5 + 2) \times 2) + 2.$

$25940 := 9 \times 5! \times 4! + 20.$

$25941 := 9 \times 5! \times 4! + 21.$

$25942 := 9 \times 5! \times 4! + 22.$

$26880 := 8! \times 8/(6 \times 2) + 0.$

$26881 := 8! \times 8/(6 \times 2) + 1.$

$26882 := 8! \times 8/(6 \times 2) + 2.$

$26888 := 8 + 8 \times 8!/(6 \times 2).$

$26889 := 9 + 8 \times 8!/(6 \times 2).$

$27360 := 76 \times 3!!/2 - 0.$

$27361 := 76 \times 3!!/2 + 1.$

$27362 := 76 \times 3!!/2 + 2.$

$27367 := 7 + 76 \times 3!!/2.$

$27368 := 8 + 76 \times 3!!/2.$

$27369 := 9 + 76 \times 3!!/2.$

$29520 := (\sqrt{9})!! + 5!^2 \times 2 + 0.$

$29521 := (\sqrt{9})!! + 5!^2 \times 2 + 1.$

$29522 := (\sqrt{9})!! + 5!^2 \times 2 + 2.$

$29526 := (\sqrt{9})!! + 6 + 5!^2 \times 2.$

$29527 := (\sqrt{9})!! + 7 + 5!^2 \times 2.$

$29528 := (\sqrt{9})!! + 8 + 5!^2 \times 2.$

$29529 := (\sqrt{9})!! + 9 + 5!^2 \times 2.$

$30960 := (\sqrt{9})!! + 6 \times (3! + 1)! + 0.$

$30961 := (\sqrt{9})!! + 6 \times (3! + 1)! + 0!.$

$30966 := (\sqrt{9})!! + 6 + 6 \times (3! + 0!)!.$

$30967 := (\sqrt{9})!! + 7 + 6 \times (3! + 0!)!.$

$30968 := (\sqrt{9})!! + 8 + 6 \times (3! + 0!)!.$

$30969 := (\sqrt{9})!! + 9 + 6 \times (3! + 0!)!.$

$31250 := 5^{3!} \times 2 + 1 \times 0.$

$31251 := 5^{3!} \times 2 + 1 \times 1.$

$31252 := 5^{3!} \times 2 + 2 \times 1.$

$31255 := 5 + 5^{3!} \times 2 \times 1.$

$31256 := 6 + 5^{3!} \times 2 \times 1.$

$31257 := 7 + 5^{3!} \times 2 \times 1.$

$31258 := 8 + 5^{3!} \times 2 \times 1.$

$31259 := 9 + 5^{3!} \times 2 \times 1.$

$34624 := 64 + 4! \times 3!! \times 2.$

$34625 := 65 + 4! \times 3!! \times 2.$

$34626 := 66 + 4! \times 3!! \times 2.$

$34650 := (\sqrt{6!/5})!/4!^3 + 0.$

$34651 := (\sqrt{6!/5})!/4!^3 + 1.$

$34652 := (\sqrt{6!/5})!/4!^3 + 2.$

$34653 := (\sqrt{6!/5})!/4!^3 + 3.$

$34656 := 6 + (\sqrt{6!/5})!/4!^3.$

$34657 := 7 + (\sqrt{6!/5})!/4!^3.$

$34658 := 8 + (\sqrt{6!/5})!/4!^3.$

$34659 := 9 + (\sqrt{6!/5})!/4!^3.$

$35280 := 8! - (-5 + 3! \times 2)! + 0.$

$35281 := 8! - (-5 + 3! \times 2)! + 1.$

$35282 := 8! - (-5 + 3! \times 2)! + 2.$

$37807 := 8! + 7 - 7!/(3 - 0!).$

$37808 := 8! + 8 - 7!/(3 - 0!).$

$37809 := 8! + 9 - 7!/(3 - 0!).$

$38520 := 8! - 5 \times 3!!/2 + 0.$

$38521 := 8! - 5 \times 3!!/2 + 1.$

$38522 := 8! - 5 \times 3!!/2 + 2.$

$38525 := 8! + 5 - 5 \times 3!!/2.$

$38526 := 8! + 6 - 5 \times 3!!/2.$

$38527 := 8! + 7 - 5 \times 3!!/2.$

$38528 := 8! + 8 - 5 \times 3!!/2.$

$38529 := 9 + 8! - 5 \times 3!!/2.$

$38760 := 8! - 7!/6 - 3!! + 0.$

$38761 := 8! - 7!/6 - 3!! + 1.$

$38762 := 8! - 7!/6 - 3!! + 2.$

$38763 := 8! - 7!/6 - 3!! + 3.$

$38764 := 8! - 7!/6 + 4 - 3!!.$

$38765 := 8! - 7!/6 + 5 - 3!!.$

$38767 := 8! + 7 - 7!/6 - 3!!.$

$38768 := 8! + 8 - 7!/6 - 3!!.$

$38769 := 9 + 8! - 7!/6 - 3!!.$

$39480 := -(\sqrt{9})!! + 8! - (\sqrt{4} + 3)! + 0.$

$39481 := -(\sqrt{9})!! + 8! - (\sqrt{4} + 3)! + 1.$

$39482 := -(\sqrt{9})!! + 8! - (\sqrt{4} + 3)! + 2.$

$39483 := -(\sqrt{9})!! + 8! - (\sqrt{4} + 3)! + 3.$

$39484 := -(\sqrt{9})!! + 8! + 4 - (\sqrt{4} + 3)!.$

$39485 := -(\sqrt{9})!! + 8! + 5 - (\sqrt{4} + 3)!.$

$39486 := -(\sqrt{9})!! + 8! + 6 - (\sqrt{4} + 3)!.$

$39487 := -(\sqrt{9})!! + 8! + 7 - (\sqrt{4} + 3)!.$

$39488 := -(\sqrt{9})!! + 8 + 8! - (\sqrt{4} + 3)!.$

$39489 := -(\sqrt{9})!! + 9 + 8! - (\sqrt{4} + 3)!.$

$39760 := (9! - 7!)/(6 + 3) + 0.$

$39761 := (9! - 7!)/(6 + 3) + 1.$

$39762 := (9! - 7!)/(6 + 3) + 2.$

$39763 := (9! - 7!)/(6 + 3) + 3.$

$40310 := (4!/3)! - 10 + 0.$

$40311 := (4!/3)! + 1 - 10.$

$40312 := (4!/3)! + 2 - 10.$

$40313 := (4!/3)! + 3 - 10.$

$40314 := 4 + (4!/3)! - 10.$

$40315 := 5 + (4!/3)! - 10.$

$40316 := 6 + (4!/3)! - 10.$

$40317 := 7 + (4!/3)! - 10.$

$40318 := 8 + (4!/3)! - 10.$

$40319 := 9 + (4!/3)! - 10.$

$40440 := (4 + 4)! + (4 + 0!)! + 0.$

$40441 := (4 + 4)! + (4 + 1)! + 0!.$

$40444 := 4 + (4 + 4)! + (4 + 0!)!.$

$40445 := 5 + (4 + 4)! + (4 + 0!)!.$

$40446 := 6 + (4 + 4)! + (4 + 0!)!.$

$40447 := 7 + (4 + 4)! + (4 + 0!)!.$

$40448 := 8 + (4 + 4)! + (4 + 0!)!.$

$40449 := 9 + (4 + 4)! + (4 + 0!)!.$

$46690 := -(\sqrt{9})! + 6^6 + 40.$

$46691 := -(\sqrt{9})! + 6^6 + 41.$

$46692 := -(\sqrt{9})! + 6^6 + 42.$

$46693 := -(\sqrt{9})! + 6^6 + 43.$

$46694 := -(\sqrt{9})! + 6^6 + 44.$

$51970 := 9!/7 + 5! + 10.$

$51971 := 9!/7 + 5! + 11.$

$55945 := (\sqrt{9} + 5)! + 5^{(\sqrt{5+4})!}.$

$55948 := (\sqrt{9} + 8!) + 5^{(\sqrt{5+4})!}.$

$59760 := (9! - 7!)/6 + 5! + 0.$

$59761 := (9! - 7!)/6 + 5! + 1.$

$59762 := (9! - 7!)/6 + 5! + 2.$

$59763 := (9! - 7!)/6 + 5! + 3.$

$59764 := (9! - 7!)/6 + 5! + 4.$

$59765 := (9! - 7!)/6 + 5! + 5.$

$59766 := (9! - 7!)/6 + 6 + 5!.$

$60480 := 8! \times 6/4 + 0 \times 0!.$

$60481 := 8! \times 6/4 + 1 \times 0!.$

$60482 := 8! \times 6/4 + 2 \times 0!.$

$60483 := 8! \times 6/4 + 3 \times 0!.$

$60484 := 8! \times 6/4 + 4 \times 0!.$

$60488 := 8 + 8! \times 6/4 \times 0!.$

$60489 := 9 + 8! \times 6/4 \times 0!.$

$64980 := (\sqrt{9})!!/8 \times (6! + \sqrt{4}) + 0.$

$64981 := (\sqrt{9})!!/8 \times (6! + \sqrt{4}) + 1.$

$64982 := (\sqrt{9})!!/8 \times (6! + \sqrt{4}) + 2.$

$64983 := (\sqrt{9})!!/8 \times (6! + \sqrt{4}) + 3.$

$64984 := (\sqrt{9})!!/8 \times (6! + \sqrt{4}) + 4.$

$64989 := 9 + (\sqrt{9})!!/8 \times (6! + \sqrt{4}).$

$69130 := 96 \times 3!! + 10.$

$69131 := 96 \times 3!! + 11.$

$73590 := (9! + 7!)/5 + 3! + 0.$

$73591 := (9! + 7!)/5 + 3! + 1.$

$73592 := (9! + 7!)/5 + 3! + 2.$

$73593 := (9! + 7!)/5 + 3! + 3.$

$73594 := (9! + 7!)/5 + 4 + 3!.$

$73595 := (9! + 7!)/5 + 5 + 3!.$

$73599 := 9 + (9! + 7!)/5 + 3!.$

$83525 := 8! + 5 + 5! \times 3!!/2.$

$83526 := 8! + 6 + 5! \times 3!!/2.$

$83527 := 8! + 7 + 5! \times 3!!/2.$

$87360 := 8! \times (7 + 6)/3! + 0.$

$87361 := 8! \times (7 + 6)/3! + 1.$

$87362 := 8! \times (7 + 6)/3! + 2.$

$87363 := 8! \times (7 + 6)/3! + 3.$

$87368 := 8 + 8! \times (7 + 6)/3!.$

$87369 := 9 + 8! \times (7 + 6)/3!.$

$93320 := 9 + 3!^{3!} \times 2 - 0!.$

$93321 := 9 + 3!^{3!} \times 2 \times 1.$

$95760 := (\sqrt{9})!! \times (7 + 6 + 5!) + 0.$

$95761 := (\sqrt{9})!! \times (7 + 6 + 5!) + 1.$

$95762 := (\sqrt{9})!! \times (7 + 6 + 5!) + 2.$

$95763 := (\sqrt{9})!! \times (7 + 6 + 5!) + 3.$

$95764 := (\sqrt{9})!! \times (7 + 6 + 5!) + 4.$

$95765 := (\sqrt{9})!! \times (7 + 6 + 5!) + 5.$

$95769 := 9 + (\sqrt{9})!! \times (7 + 6 + 5!).$

# 4 Unified Selfie Numbers

This section deals with the *Selfie numbers* that can be written jointly in all the four ways as given in subsection 1.4. This we have done in two subsections. The first one is in symmetrical consecutive ways and second is just possible numbers. Just to recapitulate, the *unified Selfie numbers* are understood as

$$\begin{aligned}\text{Unified Selfie number} &= \text{Order of digits}\\ &= \text{Reverse order of digits}\\ &= \text{Increasing order of digits}\\ &= \text{Decreasing order of digits.}\end{aligned}$$

## 4.1 Symmetrical Unified Selfies in Four Ways

As we have seen above that there are numbers that can be represented in all the four ways. Below are these representations in sequential way. Non sequential way is given in last section.

$720 := (\sqrt{7+2})!! + 0 = 0 + (\sqrt{2+7})!! = 0 + (\sqrt{2+7})!! = (\sqrt{7+2})!! + 0.$

$721 := (\sqrt{7+2})!! + 1 = 1 + (\sqrt{2+7})!! = 1 + (\sqrt{2+7})!! = (\sqrt{7+2})!! + 1.$

$722 := (\sqrt{7+2})!! + 2 = 2 + (\sqrt{2+7})!! = 2 + (\sqrt{2+7})!! = (\sqrt{7+2})!! + 2.$

$727 := (\sqrt{7+2})!! + 7 = 7 + (\sqrt{2+7})!! = (\sqrt{2+7})!! + 7 = 7 + (\sqrt{7+2})!!.$

$728 := (\sqrt{7+2})!! + 8 = 8 + (\sqrt{2+7})!! = (\sqrt{2+7})!! + 8 = 8 + (\sqrt{7+2})!!.$

$729 := (\sqrt{7+2})!! + 9 = 9 + (\sqrt{2+7})!! = (\sqrt{2+7})!! + 9 = 9 + (\sqrt{7+2})!!.$

$1444 := (-1+4)!! \times \sqrt{4} + 4 = 4 + \sqrt{4} \times (4-1)!!.$

$1445 := (-1+4)!! \times \sqrt{4} + 5 = 5 + \sqrt{4} \times (4-1)!!.$

$1446 := (-1+4)!! \times \sqrt{4} + 6 = 6 + \sqrt{4} \times (4-1)!!.$

$1447 := (-1+4)!! \times \sqrt{4} + 7 = 7 + \sqrt{4} \times (4-1)!!.$

$1448 := (-1+4)!! \times \sqrt{4} + 8 = 8 + \sqrt{4} \times (4-1)!!.$

$1449 := (-1+4)!! \times \sqrt{4} + 9 = 9 + \sqrt{4} \times (4-1)!!.$

$2160 := (2+1) \times 6! + 0 = 0 + 6! \times (1+2) = 0 + (1+2) \times 6! = 6! \times (2+1) + 0.$

$2161 := (2+1) \times 6! + 1 = 1 + 6! \times (1+2) = 1 + (1+2) \times 6! = 6! \times (2+1) + 1.$

$2166 := (2+1) \times 6! + 6 = 6 + 6! \times (1+2) = (1+2) \times 6! + 6 = 6 + 6! \times (2+1).$

$2167 := (2+1) \times 6! + 7 = 7 + 6! \times (1+2) = (1+2) \times 6! + 7 = 7 + 6! \times (2+1).$

$2168 := (2+1) \times 6! + 8 = 8 + 6! \times (1+2) = (1+2) \times 6! + 8 = 8 + 6! \times (2+1).$

$2169 := (2+1) \times 6! + 9 = 9 + 6! \times (1+2) = (1+2) \times 6! + 9 = 9 + 6! \times (2+1).$

$3600 := 3!! \times (6-0!) + 0 = 0 + (-0! + 6) \times 3!! = 0 + (-0! + 3!) \times 6! = 6! \times (3! - 0!) + 0.$

$3601 := 3!! \times (6-0!) + 1 = 1 + (-0! + 6) \times 3!! = 0! + (-1 + 3!) \times 6! = 6! \times (3! - 1) + 0!.$

$3606 := 3!! \times (6-0!) + 6 = 6 + (-0! + 6) \times 3!! = (-0! + 3!) \times 6! + 6 = 6 + 6! \times (3! - 0!).$

$3607 := 3!! \times (6-0!) + 7 = 7 + (-0! + 6) \times 3!! = (-0! + 3!) \times 6! + 7 = 7 + 6! \times (3! - 0!).$

$3608 := 3!! \times (6-0!) + 8 = 8 + (-0! + 6) \times 3!! = (-0! + 3!) \times 6! + 8 = 8 + 6! \times (3! - 0!).$

$3609 := 3!! \times (6-0!) + 9 = 9 + (-0! + 6) \times 3!! = (-0! + 3!) \times 6! + 9 = 9 + 6! \times (3! - 0!).$

$5040 := (5 + 0 + \sqrt{4})! + 0 = 0 + (\sqrt{4} + 05)! = 00 + (\sqrt{4} + 5)! = (5 + \sqrt{4})! + 0 \times 0!.$

$5041 := (5 + 0 + \sqrt{4})! + 1 = 1 + (\sqrt{4} + 05)! = 01 + (\sqrt{4} + 5)! = (5 + \sqrt{4})! + 1 \times 0!.$

$5042 := (5 + 0 + \sqrt{4})! + 2 = 2 + (\sqrt{4} + 05)! = 02 + (\sqrt{4} + 5)! = (5 + \sqrt{4})! + 2 \times 0!.$

$5043 := (5 + 0 + \sqrt{4})! + 3 = 3 + (\sqrt{4} + 05)! = 03 + (\sqrt{4} + 5)! = (5 + \sqrt{4})! + 3 \times 0!.$

$5044 := (5 + 0 + \sqrt{4})! + 4 = 4 + (\sqrt{4} + 05)! = 04 + (\sqrt{4} + 5)! = (5 + \sqrt{4})! + 4 \times 0!.$

$5045 := (5 + 0 + \sqrt{4})! + 5 = 5 + (\sqrt{4} + 0 + 5)! = (\sqrt{04} + 5)! + 5 = 5 + (5 + \sqrt{4})! \times 0!.$

$5046 := (5 + 0 + \sqrt{4})! + 6 = 6 + (\sqrt{4} + 0 + 5)! = (\sqrt{04} + 5)! + 6 = 6 + (5 + \sqrt{4})! \times 0!.$

$5047 := (5 + 0 + \sqrt{4})! + 7 = 7 + (\sqrt{4} + 0 + 5)! = (\sqrt{04} + 5)! + 7 = 7 + (5 + \sqrt{4})! \times 0!.$

$5048 := (5 + 0 + \sqrt{4})! + 8 = 8 + (\sqrt{4} + 0 + 5)! = (\sqrt{04} + 5)! + 8 = 8 + (5 + \sqrt{4})! \times 0!.$

$5049 := (5 + 0 + \sqrt{4})! + 9 = 9 + (\sqrt{4} + 0 + 5)! = (\sqrt{04} + 5)! + 9 = 9 + (5 + \sqrt{4})! \times 0!.$

$30240 := 3! \times (0! + 2 + 4)! + 0 = 0 + 42 \times (0 + 3!!) = 0 + (0! + 2)! \times (3 + 4)! = (4 + 3)! \times (2 + 1)! + 0.$

$30241 := 3! \times (0! + 2 + 4)! + 1 = 1 + 42 \times (0 + 3!!) = 0! + (1 + 2)! \times (3 + 4)! = (4 + 3)! \times (2 + 1)! + 0!.$

$30244 := 3! \times (0! + 2 + 4)! + 4 = 4 + 42 \times (0 + 3!!) = (0! + 2)! \times (3 + 4)! + 4 = 4 + (4 + 3)! \times (2 + 0!)!.$

$30245 := 3! \times (0! + 2 + 4)! + 5 = 5 + 42 \times (0 + 3!!) = (0! + 2)! \times (3 + 4)! + 5 = 5 + (4 + 3)! \times (2 + 0!)!.$

$30246 := 3! \times (0! + 2 + 4)! + 6 = 6 + 42 \times (0 + 3!!) = (0! + 2)! \times (3 + 4)! + 6 = 6 + (4 + 3)! \times (2 + 0!)!.$

$30247 := 3! \times (0! + 2 + 4)! + 7 = 7 + 42 \times (0 + 3!!) = (0! + 2)! \times (3 + 4)! + 7 = 7 + (4 + 3)! \times (2 + 0!)!.$

$30248 := 3! \times (0! + 2 + 4)! + 8 = 8 + 42 \times (0 + 3!!) = (0! + 2)! \times (3 + 4)! + 8 = 8 + (4 + 3)! \times (2 + 0!)!.$

$30249 := 3! \times (0! + 2 + 4)! + 9 = 9 + 42 \times (0 + 3!!) = (0! + 2)! \times (3 + 4)! + 9 = 9 + (4 + 3)! \times (2 + 0!)!.$

$34560 := (3 + 45) \times 6! + 0 = 0 + 6! \times (5 + 43) = 0 + (3 + 45) \times 6! = 6! \times (5 + 43) + 0.$

$34561 := (3 + 45) \times 6! + 1 = 1 + 6! \times (5 + 43) = 1 + (3 + 45) \times 6! = 6! \times (5 + 43) + 1.$

$34562 := (3 + 45) \times 6! + 2 = 2 + 6! \times (5 + 43) = 2 + (3 + 45) \times 6! = 6! \times (5 + 43) + 2.$

$34563 := (3 + 45) \times 6! + 3 = 3 + 6! \times (5 + 43) = 3 + (3 + 45) \times 6! = 6! \times (5 + 43) + 3.$

$34566 := (3 + 45) \times 6! + 6 = 6 + 6! \times (5 + 43) = (3 + 45) \times 6! + 6 = 6 + 6! \times (5 + 43).$

$34567 := (3 + 45) \times 6! + 7 = 7 + 6! \times (5 + 43) = (3 + 45) \times 6! + 7 = 7 + 6! \times (5 + 43).$

$34568 := (3 + 45) \times 6! + 8 = 8 + 6! \times (5 + 43) = (3 + 45) \times 6! + 8 = 8 + 6! \times (5 + 43).$

$34569 := (3 + 45) \times 6! + 9 = 9 + 6! \times (5 + 43) = (3 + 45) \times 6! + 9 = 9 + 6! \times (5 + 43).$

$35285 := -(\sqrt{-3 + 52})! + 8! + 5 = 5 + 8! - (2 \times 5 - 3)! = -(2 \times 3! - 5)! + 5 + 8! = 8! + 5 - (-5 + 3! \times 2)!.$

$35286 := -(\sqrt{-3 + 52})! + 8! + 6 = 6 + 8! - (2 \times 5 - 3)! = -(2 \times 3! - 5)! + 6 + 8! = 8! + 6 - (-5 + 3! \times 2)!.$

$35287 := -(\sqrt{-3 + 52})! + 8! + 7 = 7 + 8! - (2 \times 5 - 3)! = -(2 \times 3! - 5)! + 7 + 8! = 8! + 7 - (-5 + 3! \times 2)!.$

$35288 := -(\sqrt{-3 + 52})! + 8! + 8 = 8 + 8! - (2 \times 5 - 3)! = -(2 \times 3! - 5)! + 8 + 8! = 8! + 8 - (-5 + 3! \times 2)!.$

$35289 := -(\sqrt{-3 + 52})! + 8! + 9 = 9 + 8! - (2 \times 5 - 3)! = -(2 \times 3! - 5)! + 8! + 9 = 9 + 8! - (-5 + 3! \times 2)!.$

$37440 := 3!! \times (7 \times 4 + 4!) + 0 = 0 + (4! + 4 \times 7) \times 3!! = 0 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 0.$

$37441 := 3!! \times (7 \times 4 + 4!) + 1 = 1 + (4! + 4 \times 7) \times 3!! = 1 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 1.$

$37442 := 3!! \times (7 \times 4 + 4!) + 2 = 2 + (4! + 4 \times 7) \times 3!! = 2 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 2.$

$37443 := 3!! \times (7 \times 4 + 4!) + 3 = 3 + (4! + 4 \times 7) \times 3!! = 3 + 3!! \times (4! + 4 \times 7) = (7 \times 4 + 4!) \times 3!! + 3.$

$37447 := 3!! \times (7 \times 4 + 4!) + 7 = 7 + (4! + 4 \times 7) \times 3!! = 3!! \times (4! + 4 \times 7) + 7 = 7 + (7 \times 4 + 4!) \times 3!!.$

$37448 := 3!! \times (7 \times 4 + 4!) + 8 = 8 + (4! + 4 \times 7) \times 3!! = 3!! \times (4! + 4 \times 7) + 8 = 8 + (7 \times 4 + 4!) \times 3!!.$

$37449 := 3!! \times (7 \times 4 + 4!) + 9 = 9 + (4! + 4 \times 7) \times 3!! = 3!! \times (4! + 4 \times 7) + 9 = 9 + (7 \times 4 + 4!) \times 3!!.$

$40324 := (40 - 32)! + 4 = 4 + ((2 + 30)/4)! = (-0! + 2 + 3 + 4)! + 4 = 4 + (-4 \times 3 + 20)!.$

$40325 := (40 - 32)! + 5 = 5 + ((2 + 30)/4)! = (-0! + 2 + 3 + 4)! + 5 = 5 + (-4 \times 3 + 20)!.$

$40326 := (40 - 32)! + 6 = 6 + ((2 + 30)/4)! = (-0! + 2 + 3 + 4)! + 6 = 6 + (-4 \times 3 + 20)!.$

$40327 := (40 - 32)! + 7 = 7 + ((2 + 30)/4)! = (-0! + 2 + 3 + 4)! + 7 = 7 + (-4 \times 3 + 20)!.$

$40328 := (40 - 32)! + 8 = 8 + ((2 + 30)/4)! = (-0! + 2 + 3 + 4)! + 8 = 8 + (-4 \times 3 + 20)!.$

$40329 := (40 - 32)! + 9 = 9 + ((2 + 30)/4)! = (-0! + 2 + 3 + 4)! + 9 = 9 + (-4 \times 3 + 20)!.$

$40484 := 40 \times 4 + 8! + 4 = 4 + 8! + 40 \times 4 = (0! + 4)! + 44 + 8! = 8! + 4 + 4 \times 40.$

$40485 := 40 \times 4 + 8! + 5 = 5 + 8! + 40 \times 4 = (0! + 4)! + 45 + 8! = 8! + 5 + 4 \times 40.$

$40486 := 40 \times 4 + 8! + 6 = 6 + 8! + 40 \times 4 = (0! + 4)! + 46 + 8! = 8! + 6 + 4 \times 40.$

$40487 := 40 \times 4 + 8! + 7 = 7 + 8! + 40 \times 4 = (0! + 4)! + 47 + 8! = 8! + 7 + 4 \times 40.$

$$40488 := 40 \times 4 + 8! + 8 = 8 + 8! + 40 \times 4 = (0! + 4)! + 48 + 8! = 8! + 8 + 4 \times 40.$$

$$45360 := (\sqrt{4} + 5)! \times (3 + 6) + 0 = 0 + 63 \times (\sqrt{5 + 4})!! = 0 + 3!!/\sqrt{4} \times (5! + 6) = (65 - \sqrt{4}) \times 3!! + 0.$$
$$45361 := (\sqrt{4} + 5)! \times (3 + 6) + 1 = 1 + 63 \times (\sqrt{5 + 4})!! = 1 + 3!!/\sqrt{4} \times (5! + 6) = (65 - \sqrt{4}) \times 3!! + 1.$$
$$45362 := (\sqrt{4} + 5)! \times (3 + 6) + 2 = 2 + 63 \times (\sqrt{5 + 4})!! = 2 + 3!!/\sqrt{4} \times (5! + 6) = (65 - \sqrt{4}) \times 3!! + 2.$$
$$45363 := (\sqrt{4} + 5)! \times (3 + 6) + 3 = 3 + 63 \times (\sqrt{5 + 4})!! = 3 + 3!!/\sqrt{4} \times (5! + 6) = (65 - \sqrt{4}) \times 3!! + 3.$$

$$45366 := (\sqrt{4} + 5)! \times (3 + 6) + 6 = 6 + 63 \times (\sqrt{5 + 4})!! = 3!!/\sqrt{4} \times (5! + 6) + 6 = 6 + (65 - \sqrt{4}) \times 3!!.$$
$$45367 := (\sqrt{4} + 5)! \times (3 + 6) + 7 = 7 + 63 \times (\sqrt{5 + 4})!! = 3!!/\sqrt{4} \times (5! + 6) + 7 = 7 + (65 - \sqrt{4}) \times 3!!.$$
$$45368 := (\sqrt{4} + 5)! \times (3 + 6) + 8 = 8 + 63 \times (\sqrt{5 + 4})!! = 3!!/\sqrt{4} \times (5! + 6) + 8 = 8 + (65 - \sqrt{4}) \times 3!!.$$
$$45369 := (\sqrt{4} + 5)! \times (3 + 6) + 9 = 9 + 63 \times (\sqrt{5 + 4})!! = 3!!/\sqrt{4} \times (5! + 6) + 9 = 9 + (65 - \sqrt{4}) \times 3!!.$$

$$48960 := 4 \times (8 + 9) \times 6! + 0 = 0 + 6! \times (9 \times 8 - 4) = 0 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 0.$$
$$48961 := 4 \times (8 + 9) \times 6! + 1 = 1 + 6! \times (9 \times 8 - 4) = 1 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 1.$$
$$48962 := 4 \times (8 + 9) \times 6! + 2 = 2 + 6! \times (9 \times 8 - 4) = 2 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 2.$$
$$48963 := 4 \times (8 + 9) \times 6! + 3 = 3 + 6! \times (9 \times 8 - 4) = 3 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 3.$$
$$48964 := 4 + 4 \times 6! \times (8 + 9) = (9 + 8) \times 6! \times 4 + 4 = 4 \times (8 + 9) \times 6! + 4 = 4 + 6! \times (9 \times 8 - 4).$$

$$80640 := 8! \times (06 - 4) + 0 = 0 + (-4 + 6) \times (0 + 8!) = 00 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 0 \times 0!.$$
$$80641 := 8! \times (06 - 4) + 1 = 1 + (-4 + 6) \times (0 + 8!) = 01 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 1 \times 0!.$$
$$80642 := 8! \times (06 - 4) + 2 = 2 + (-4 + 6) \times (0 + 8!) = 02 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 2 \times 0!.$$
$$80643 := 8! \times (06 - 4) + 3 = 3 + (-4 + 6) \times (0 + 8!) = 03 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 3 \times 0!.$$
$$80644 := 8! \times (06 - 4) + 4 = 4 + (-4 + 6) \times (0 + 8!) = 04 + (-4 + 6) \times 8! = 8! \times (6 - 4) + 4 \times 0!.$$

$$80648 := 8! \times (06 - 4) + 8 = 8 + (-4 + 6) \times (0 + 8!) = (-04 + 6) \times 8! + 8 = 8 + 8! \times (6 - 4 \times 0!).$$
$$80649 := 8! \times (06 - 4) + 9 = 9 + (-4 + 6) \times (0 + 8!) = (-04 + 6) \times 8! + 9 = 9 + 8! \times (6 - 4 \times 0!).$$

## 4.2 Non Symmetrical Unified Selfie Numbers

This section deals with *unified Selfie numbers*, i.e., the numbers those be written in all the four ways as specified in first section.

### 4.2.1 Two Digits Unified Selfie Numbers

$$24 = (\sqrt{2^4})! = (\sqrt{4^2})!.$$

$$36 = 3! \times 6 = 6 \times 3!.$$

$$71 = \sqrt{1 + 7!} = \sqrt{7! + 1}.$$

### 4.2.2 Three Digits Unified Selfie Numbers

$$119 = -1 + (-1 + (\sqrt{9})!)! = ((\sqrt{9})! - 1)! - 1.$$

$$143 = -1 + 4! \times 3! = 3! \times 4! - 1 = -1 + 3! \times 4! = 4! \times 3! - 1.$$

$$144 = (1 + 4)! + 4! = 4! + (4 + 1)!.$$

$$145 = 1 + 4! + 5!$$
$$= 5! + 4! + 1.$$

$$216 = \sqrt{(2+1)!^6}$$
$$= 6^{1+2}$$
$$= \sqrt{(1+2)!^6}$$
$$= 6^{2+1}.$$

$$354 = 3 \times (5! - \sqrt{4})$$
$$= (-\sqrt{4} + 5!) \times 3$$
$$= 3 \times (-\sqrt{4} + 5!)$$
$$= (5! - \sqrt{4}) \times 3.$$

$$355 = 3 \times 5! - 5$$
$$= -5 + 5! \times 3.$$

$$456 = 4 \times (5! - 6)$$
$$= (-6 + 5!) \times 4.$$

$$693 = 6! - 9 \times 3$$
$$= -3 \times 9 + 6!$$
$$= -\sqrt{3^6} + (\sqrt{9})!!$$
$$= -\sqrt{\sqrt{9^6}} + 3!!.$$

$$713 = -7 + 1 \times 3!!$$
$$= 3!! - 1 \times 7$$
$$= 1 \times 3!! - 7$$
$$= -7 + 3!! \times 1.$$

$$733 = 7 + 3!! + 3!$$
$$= 3! + 3!! + 7.$$

$$744 = (7 + 4!) \times 4!$$
$$= 4! \times (4! + 7).$$

$$936 = (\sqrt{9})!^3 + 6!$$
$$= 6! + 3!^{\sqrt{9}}$$
$$= \sqrt{3!^6} + (\sqrt{9})!!$$
$$= (\sqrt{9})!! + 6^3.$$

### 4.2.3 Four Digits Unified Selfie Numbers

$$1296 = \sqrt{(1+2)!^9/6}$$
$$= 6^{\sqrt{9}+2-1}$$
$$= \sqrt{(1+2)!^6} \times (\sqrt{9})!$$
$$= (\sqrt{9})!^{6-2} \times 1.$$

$$1432 = 1 \times (-4 + 3!!) \times 2$$
$$= 2 \times (3!! - 4) \times 1$$
$$= 1 \times 2 \times (3!! - 4)$$
$$= (-4 + 3!!) \times 2 \times 1.$$

$$1433 = -1 + \sqrt{4} \times (3!! - 3)$$
$$= (3!! - 3) \times \sqrt{4} - 1$$
$$= -1 - 3! + 3!! \times \sqrt{4}$$
$$= \sqrt{4} \times 3!! - 3! - 1.$$

$$1434 = (1 - 4 + 3!!) \times \sqrt{4}$$
$$= \sqrt{4} \times (3!! - 4 + 1)$$
$$= (1 + 3!! - 4) \times \sqrt{4}$$
$$= \sqrt{4} \times (-4 + 3!! + 1).$$

$$1435 = 1 \times \sqrt{4} \times 3!! - 5$$
$$= -5 + 3!! \times \sqrt{4} \times 1$$
$$= 1 \times 3!! \times \sqrt{4} - 5$$
$$= -5 + \sqrt{4} \times 3!! \times 1.$$

$$1439 = -1 + \sqrt{4} \times (-3 + 9)!$$
$$= (9 - 3)! \times \sqrt{4} - 1$$
$$= -1 + 3!! + (\sqrt{4 \times 9})!$$
$$= (\sqrt{9 \times 4})! + 3!! - 1.$$

$$1440 = (-1 + 4)!! \times \sqrt{4} + 0$$
$$= 0 + \sqrt{4} \times (4 - 1)!!$$
$$= 0 + (-1 + 4)!! \times \sqrt{4}$$
$$= \sqrt{4} \times (-4 + 10)!.$$

$$1441 = (-1 + 4)!! \times \sqrt{4} + 1$$
$$= 1 + \sqrt{4} \times (4 - 1)!!$$
$$= 1 + (-1 + 4)!! \times \sqrt{4}$$
$$= \sqrt{4} \times (4 - 1)!! + 1.$$

$$1442 = (-1 + 4)!! \times \sqrt{4} + 2$$
$$= 2 + \sqrt{4} \times (4 - 1)!!$$
$$= (1 + (2 + 4)!) \times \sqrt{4}$$
$$= \sqrt{4} \times ((4 + 2)! + 1).$$

$$1443 = (-1 + 4)!! \times \sqrt{4} + 3$$
$$= 3 + \sqrt{4} \times (4 - 1)!!$$
$$= 1 + 3!! \times \sqrt{4} + \sqrt{4}$$
$$= 4 + \sqrt{4} \times 3!! - 1.$$

$$1463 = -1 + 4! + 6! + 3!!$$
$$= 3!! + 6! + 4! - 1$$
$$= -1 + 3!! + 4! + 6!$$
$$= 6! + 4! + 3!! - 1.$$

$$1464 = 1 \times 4! + 6! \times \sqrt{4}$$
$$= 4! + 6! \times \sqrt{4} \times 1$$
$$= (-1 + 4)!! + 4! + 6!$$
$$= 6! + 4! + (4 - 1)!!.$$

$$2163 = (2 + 1) \times 6! + 3$$
$$= 3 + 6! \times (1 + 2)$$
$$= 1 + 2 + 3 \times 6!$$
$$= 6! \times 3 + 2 + 1.$$

$$2520 = (2 + 5)!/2 + 0$$
$$= 0 + (2 + 5)!/2$$
$$= (-0! + 22) \times 5!$$
$$= (5 + 2)!/2 + 0.$$

$$2864 = \sqrt{2 \times 8} \times (6! - 4)$$
$$= 4 \times 6! - 8 \times 2$$
$$= 2 \times (\sqrt{4} \times 6! - 8)$$
$$= 8 \times (6! - 4)/2.$$

$$2896 = 2 \times (8 + (\sqrt{9})!! + 6!)$$
$$= (6! + (\sqrt{9})!! + 8) \times 2$$
$$= 2 \times (6! + 8 + (\sqrt{9})!!)$$
$$= ((\sqrt{9})!! + 8 + 6!) \times 2.$$

$$2954 = 2 + (\sqrt{9} + 5!) \times 4!$$
$$= 4! \times (5! + \sqrt{9}) + 2$$
$$= 2 + 4! \times (5! + \sqrt{9})$$
$$= (\sqrt{9} + 5!) \times 4! + 2.$$

$$\begin{aligned}3125 &= (3+1\times 2)^5\\ &= 5^{2+1\times 3}\\ &= 1\times(2+3)^5\\ &= 5^{3+2}\times 1.\end{aligned}$$

$$\begin{aligned}3444 &= 3!\times(4!^{\sqrt{4}}-\sqrt{4})\\ &= (4!^{\sqrt{4}}-\sqrt{4})\times 3!.\end{aligned}$$

$$\begin{aligned}3448 &= 3!\times\sqrt{4!^4}-8\\ &= -8+\sqrt{4!^4}\times 3!.\end{aligned}$$

$$\begin{aligned}3455 &= (3!!-4!-5)\times 5\\ &= 5\times(-5-4!+3!!).\end{aligned}$$

$$\begin{aligned}3456 &= -3!\times 4!+5\times 6!\\ &= 6!/5\times 4\times 3!.\end{aligned}$$

$$\begin{aligned}3459 &= 3!!\times 4!/5+\sqrt{9}\\ &= (\sqrt{9})!!/5\times 4!+3.\end{aligned}$$

$$\begin{aligned}3579 &= 3!!\times 5-7\times\sqrt{9}\\ &= -\sqrt{9}\times 7+5\times 3!!.\end{aligned}$$

$$\begin{aligned}3586 &= 3!!\times 5-8-6\\ &= -6-8+5\times 3!!\\ &= 3!!\times 5-6-8\\ &= -8-6+5\times 3!!.\end{aligned}$$

$$\begin{aligned}3589 &= 3!!\times 5-8-\sqrt{9}\\ &= -\sqrt{9}-8+5\times 3!!.\end{aligned}$$

$$\begin{aligned}3591 &= 3!!\times 5-9\times 1\\ &= -1\times 9+5\times 3!!\\ &= 1\times 3!!\times 5-9\\ &= -9+5\times 3!!\times 1.\end{aligned}$$

$$\begin{aligned}3592 &= 3!!\times 5-(\sqrt{9})!-2\\ &= -2^{\sqrt{9}}+5\times 3!!\\ &= -2^3+5\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times 5-3!-2.\end{aligned}$$

$$\begin{aligned}3594 &= 3!!\times 5-\sqrt{9\times 4}\\ &= (\sqrt{4\times 9})!\times 5-3!\\ &= -(\sqrt{\sqrt{3^4}})!+5\times(\sqrt{9})!!\\ &= -(\sqrt{9})!+\sqrt{\sqrt{5^4}}\times 3!!.\end{aligned}$$

$$\begin{aligned}3598 &= 3!+5\times(\sqrt{9})!!-8\\ &= -8+(\sqrt{9})!!\times 5+3!\\ &= 3!!\times 5-8+(\sqrt{9})!\\ &= (\sqrt{9})!-8+5\times 3!!.\end{aligned}$$

$$\begin{aligned}3599 &= 3!!\times 5-9/9\\ &= -9/9+5\times 3!!.\end{aligned}$$

$$\begin{aligned}3604 &= 3!!\times(6-0!)+4\\ &= 4+(-0!+6)\times 3!!\\ &= (0!+3!!)\times 4+6!\\ &= 6!+4\times(3!!+0!).\end{aligned}$$

$$\begin{aligned}3605 &= 3!!\times(6-0!)+5\\ &= 5+(-0!+6)\times 3!!\\ &= -0!+3!+5\times 6!\\ &= 6!\times 5+3!-0!.\end{aligned}$$

$$\begin{aligned}3625 &= (3+6!+2)\times 5\\ &= 5\times(2+6!+3)\\ &= (2+3)\times(5+6!)\\ &= (6!+5)\times(3+2).\end{aligned}$$

$$\begin{aligned}3636 &= 3!\times(6+3!!)-6!\\ &= 6\times(3!+6!)-3!!\\ &= -3!!+3!\times(6+6!)\\ &= (6+6!)\times 3!-3!!.\end{aligned}$$

$$\begin{aligned}3744 &= -3!!+7!-4!^{\sqrt{4}}\\ &= -4!^{\sqrt{4}}+7!-3!!\\ &= -\sqrt{3!^{4+4}}+7!\\ &= -7!\times\sqrt{4}+4!^3.\end{aligned}$$

$$\begin{aligned}3996 &= (3!!-9\times(\sqrt{9})!)\times 6\\ &= (6!-9\times(\sqrt{9})!)\times 3!\\ &= (3!!-6\times 9)\times(\sqrt{9})!\\ &= (\sqrt{9})!\times(-9\times 6+3!!).\end{aligned}$$

$$\begin{aligned}4093 &= 4^{(\sqrt{0+9})!}-3\\ &= -3+(9-0!)^4\\ &= -03+4^{(\sqrt{9})!}\\ &= -\sqrt{9}+4^{3!}\times 0!.\end{aligned}$$

$$\begin{aligned}4094 &= -\sqrt{4}+(-0!+9)^4\\ &= -\sqrt{4}+(9-0!)^4\\ &= -\sqrt{04}+4^{(\sqrt{9})!}\\ &= -\sqrt{9}+\sqrt{\sqrt{4^{4!}}}+0!.\end{aligned}$$

$$\begin{aligned}4296 &= (-4+(2\times\sqrt{9})!)\times 6\\ &= 6\times((\sqrt{9}\times 2)!-4)\\ &= (-\sqrt{2^4}+6!)\times(\sqrt{9})!\\ &= (\sqrt{9})!\times(6!-\sqrt{4^2}).\end{aligned}$$

$$\begin{aligned}4314 &= 4!\times(-1+3!!)/4\\ &= 4!\times(3!!-1)/4\\ &= (-1+3!!)\times 4!/4\\ &= 4!/4\times(3!!-1).\end{aligned}$$

$$\begin{aligned}4316 &= \sqrt{4}+(3!!-1)\times 6\\ &= 6\times 1\times 3!!-4\\ &= (1+3!)!-4-6!\\ &= -6!-4+(3!+1)!.\end{aligned}$$

$$\begin{aligned}4317 &= -4-3!!+1+7!\\ &= 7!+1-3!!-4\\ &= 1-3!!-4+7!\\ &= 7!-4-3!!+1.\end{aligned}$$

$$\begin{aligned}4319 &= (4+3)!-1-(\sqrt{9})!!\\ &= -(\sqrt{9})!!-1+(3+4)!\\ &= -1+(3+4)!-(\sqrt{9})!!\\ &= -(\sqrt{9})!!+(4+3)!-1.\end{aligned}$$

$$\begin{aligned}4332 &= (\sqrt{4}+3!!)\times 3\times 2\\ &= (2+3!!)\times 3\times\sqrt{4}.\end{aligned}$$

$$\begin{aligned}4337 &= (4+3!!)\times 3!-7\\ &= -7+3!\times(3!!+4)\\ &= 3!\times 3!!+4!-7\\ &= -7+4!+3!\times 3!!.\end{aligned}$$

$$\begin{aligned}4344 &= 4!\times(3!!+4)/4\\ &= 4!\times(4+3!!)/4\\ &= 3!\times(4+(4!/4)!)\\ &= (4+(4!/4)!)\times 3!.\end{aligned}$$

$$\begin{aligned}4368 &= \sqrt{4}\times 3\times(6!+8)\\ &= (8+6!)\times 3\times\sqrt{4}\\ &= \sqrt{\sqrt{3^4}!}\times(6!+8)\\ &= (8+(\sqrt{\sqrt{6^4}})!)\times 3!.\end{aligned}$$

$$\begin{aligned}4464 &= 4!\times(4!+6!)/4\\ &= 4!\times(6!+4!)/4\\ &= (4!+(4!/4)!)\times 6\\ &= 6\times(4!+(4!/4)!).\end{aligned}$$

$$\begin{aligned}4466 &= 6\times(6!+4!)+\sqrt{4}\\ &= \sqrt{4}+(4!+6!)\times 6.\end{aligned}$$

$$\begin{aligned}4944 &= (\sqrt{49})!-4\times 4!\\ &= -4\times 4!+(9-\sqrt{4})!\\ &= -4!\times 4+(\sqrt{49})!\\ &= (\sqrt{9}+4)!-4\times 4!.\end{aligned}$$

$$\begin{aligned}5017 &= -(5-0!)!+1+7!\\ &= 7!+1-(-0!+5)!\\ &= 0!-(-1+5)!+7!\\ &= 7!-(5-1)!+0!.\end{aligned}$$

$$\begin{aligned}5034 &= -5-0!+(3+4)!\\ &= (4+3)!-0!-5\\ &= -0!+(3+4)!-5\\ &= -5+(4+3)!-0!.\end{aligned}$$

$$\begin{aligned}5035 &= (5-0!+3)!-5\\ &= (5+3-0!)!-5\\ &= (-0!+3+5)!-5\\ &= -5+(5+3-0!)!.\end{aligned}$$

$$\begin{aligned}5037 &= 5\times 0-3+7!\\ &= 7!-3+0/5\\ &= -0!+3-5+7!\\ &= 7!-5+3-0!.\end{aligned}$$

$$\begin{aligned}5039 &= 5+(0!+3!)!-(\sqrt{9})!\\ &= -(\sqrt{9})!+(3!+0!)!+5\\ &= -0!+(3-5+9)!\\ &= (9-5+3)!-0!.\end{aligned}$$

$$\begin{aligned}5167 &= 7+(6+1)!+5!\\ &= 5!+(1+6)!+7\\ &= 1+5!+6+7!\\ &= 7!+6+5!+1.\end{aligned}$$

$$\begin{aligned}5275 &= 5!\times 2+7!-5\\ &= -5+7!+2\times 5!\\ &= 2\times 5!-5+7!\\ &= 7!-5+5!\times 2.\end{aligned}$$

$$\begin{aligned}5397 &= 5!\times 3-\sqrt{9}+7!\\ &= 7!-\sqrt{9}+3\times 5!\\ &= 3\times 5!+7!-\sqrt{9}\\ &= -\sqrt{9}+7!+5!\times 3.\end{aligned}$$

$$\begin{aligned}5568 &= (-5!/5+6!)\times 8\\ &= 8\times(6!-5!/5).\end{aligned}$$

$$\begin{aligned}5637 &= -5!+6!-3+7!\\ &= 7!-3+6!-5!\\ &= -3-5!+6!+7!\\ &= 7!+6!-5!-3.\end{aligned}$$

$$\begin{aligned}5765 &= 5+7!+6\times 5!\\ &= 5!\times 6+7!+5\\ &= 5+5!\times 6+7!\\ &= 7!+6\times 5!+5.\end{aligned}$$

$$\begin{aligned}5875 &= 5!+8!/7-5\\ &= 5!\times\sqrt{\sqrt{7^8}}-5\\ &= -5+5!\times\sqrt{\sqrt{7^8}}\\ &= 8!/7-5+5!\end{aligned}$$

$$\begin{aligned}6399 &= ((6-3)!!-9)\times 9\\ &= 9\times(-9+(\sqrt{36})!)\\ &= ((\sqrt{36})!-9)\times 9\\ &= 9\times(-9+(6-3)!!).\end{aligned}$$

$$\begin{aligned}6476 &= 6!-4+7!+6!\\ &= 6!+7!-4+6!\\ &= -4+6!+6!+7!\\ &= 7!+6!+6!-4.\end{aligned}$$

$$\begin{aligned}6494 &= (6!+\sqrt{4})\times 9-4\\ &= -4+9\times(\sqrt{4}+6!)\\ &= -4+(\sqrt{4}+6!)\times 9\\ &= 9\times(6!+\sqrt{4})-4.\end{aligned}$$

$$\begin{aligned}6696 &= \sqrt{6^6}+9\times 6!\\ &= 6!\times 9+\sqrt{6^6}\\ &= \sqrt{6^6}+6!\times 9\\ &= 9\times 6!+\sqrt{6^6}.\end{aligned}$$

$$\begin{aligned}6839 &= (6!+8!-3!)/(\sqrt{9})!\\ &= ((\sqrt{9})!!-3!+8!)/6\\ &= (3!!-6+8!)/(\sqrt{9})!\\ &= (\sqrt{9})!!+(8!-6)/3!.\end{aligned}$$

$$\begin{aligned}7199 &= 7!-1+\sqrt{9}\times(\sqrt{9})!!\\ &= \sqrt{9}\times(\sqrt{9})!!-1+7!\\ &= -1+7!+\sqrt{9}\times(\sqrt{9})!!\\ &= \sqrt{9}\times(\sqrt{9})!!+7!-1.\end{aligned}$$

$$\begin{aligned}7944 &= 7!+(\sqrt{9})!!\times 4+4!\\ &= 4!+(\sqrt{4}+9)!/7!\\ &= 4!+(4+7)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(7+4)+4!.\end{aligned}$$

$$\begin{aligned}8632 &= -8+6!\times 3!\times 2\\ &= 2\times 3!\times 6!-8\\ &= 2\times 3!\times 6!-8\\ &= -8+6!\times 3!\times 2.\end{aligned}$$

$$\begin{aligned}9372 &= -(\sqrt{9})!!+(3!+7!)\times 2\\ &= 2\times(7!+3!)-(\sqrt{9})!!\\ &= 2\times(3!+7!)-(\sqrt{9})!!\\ &= -(\sqrt{9})!!+(7!+3!)\times 2.\end{aligned}$$

$$\begin{aligned}9595 &= (\sqrt{9})!!\times 5!/9-5\\ &= -5+(\sqrt{9})!!\times 5!/9\\ &= -5+5!\times(\sqrt{9})!!/9\\ &= (\sqrt{9})!!/9\times 5!-5.\end{aligned}$$

$$\begin{aligned}9972 &= (-9\times(\sqrt{9})!+7!)\times 2\\ &= 2\times(7!-9\times(\sqrt{9})!)\\ &= 2\times(7!-(\sqrt{9})!\times 9)\\ &= (-(\sqrt{9})!\times 9+7!)\times 2.\end{aligned}$$

### 4.2.4 Five Digits Unified Selfie Numbers

$$\begin{aligned}10067 &= -1+(0!+0!)\times(-6+7!)\\ &= (7!-6)\times(0!+0!)-1\\ &= -0!+(0!+1)\times(-6+7!)\\ &= (7!-6)\times(1+0!)-0!.\end{aligned}$$

$$\begin{aligned}10073 &= -1+(0!+0!)\times(7!-3)\\ &= (-3+7!)\times(0!+0!)-1\\ &= -0!+(0!+1)\times(-3+7!)\\ &= (7!-3)\times(1+0!)-0!.\end{aligned}$$

$$\begin{aligned}10074 &= (1+0!)\times(0!+7!-4)\\ &= (-4+7!+0!)\times(0!+1)\\ &= (0!+0!)\times(1-4+7!)\\ &= (7!-4+1)\times(0!+0!).\end{aligned}$$

$$\begin{aligned}10077 &= -\sqrt{10-0!}+7!+7!\\ &= 7!+7!-0!-0!-1\\ &= -0!-0!-1+7!+7!\\ &= 7!+7!-1-0!-0!.\end{aligned}$$

$$\begin{aligned}10080 &= (1+0!)\times(-0!+8)!+0\\ &= 0+(8-0!)!\times(0!+1)\\ &= (0!+0!)\times(-01+8)!\\ &= (8-1\times 0!)!\times(0!+0!).\end{aligned}$$

$$\begin{aligned}10081 &= (1+0!)\times(-0!+8)!+1\\ &= 1+(8-0!)!\times(0!+1)\\ &= 0!+(0!+1)\times(-1+8)!\\ &= (8-1)!\times(1+0!)+0!.\end{aligned}$$

$$\begin{aligned}10087 &= (1+0!)\times(-0!+8)!+7\\ &= 7+(8-0!)!\times(0!+1)\\ &= -0!+(0!+1)\times 7!+8\\ &= 8+7!\times(1+0!)-0!.\end{aligned}$$

$$\begin{aligned}10088 &= (1+0!)\times(-0!+8)!+8\\ &= 8+(8-0!)!\times(0!+1)\\ &= (0!+0!)\times(-1+8)!+8\\ &= 8+(8-1)!\times(0!+0!).\end{aligned}$$

$$\begin{aligned}10089 &= (1+0!)\times(-0!+8)!+9\\ &= 9+(8-0!)!\times(0!+1)\\ &= (0!+0!)\times(-1+8)!+9\\ &= 9+(8-1)!\times(0!+0!).\end{aligned}$$

$$\begin{aligned}10097 &= -1+(0!+0!)\times(9+7!)\\ &= (7!+9)\times(0!+0!)-1\\ &= -0!+(0!+1)\times(7!+9)\\ &= (9+7!)\times(1+0!)-0!.\end{aligned}$$

$$\begin{aligned}10368 &= (1+0!)^3\times\sqrt{6^8}\\ &= 8\times 6^{3+01}\\ &= (0!+1+3!)\times\sqrt{6^8}\\ &= 8\times 6^{3+1\times 0!}.\end{aligned}$$

$$\begin{aligned}10798 &= -1-0!+7!+(\sqrt{9})!!\times 8\\ &= 8\times(\sqrt{9})!!+7!-0!-1\\ &= -(0!+1)!+(7+8)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(8+7)-1-0!.\end{aligned}$$

$$\begin{aligned}10799 &= -1+(-0!+7+9)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(9+7-0!)-1\\ &= -0!+(-1+7+9)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(9+7-1)-0!.\end{aligned}$$

$$\begin{aligned}11344 &= (-11+3!!)\times 4\times 4\\ &= 4\times 4\times(3!!-11).\end{aligned}$$

$$\begin{aligned}11519 &= -1+(15+1)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(15+1)-1\\ &= -1+(1+15)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(5+11)-1.\end{aligned}$$

$$\begin{aligned}11664 &= 1\times 1\times 6^6/4\\ &= ((4!-6)\times 6)^{1+1}\\ &= (1+1)\times\sqrt{(4!-6)^6}\\ &= 6^6/(4-1+1).\end{aligned}$$

$$\begin{aligned}12274 &= ((1+2)!!+2)\times(-7+4!)\\ &= (4!-7)\times(2+(2+1)!!)\\ &= ((1+2)!!+2)\times(4!-7)\\ &= (-7+4!)\times(2!+(2+1)!!).\end{aligned}$$

$$\begin{aligned}12288 &= (1+2)!\times 2^8\times 8\\ &= (8\times 8)^2\times(2+1).\end{aligned}$$

$$\begin{aligned}12289 &= 1+(2+2)!\times 8^{\sqrt{9}}\\ &= \sqrt{9}\times 8^{2\times 2}+1.\end{aligned}$$

$$\begin{aligned}12294 &= (1+2)!+2^9\times 4!\\ &= (4^{(\sqrt{9})!}+2)\times(2+1)\\ &= (1\times 2+\sqrt{2^{4!}})\times\sqrt{9}\\ &= (\sqrt{9})!\times(\sqrt{\sqrt{4^2 2}}+1).\end{aligned}$$

$$\begin{aligned}12599 &= -1+25\times 9!/(\sqrt{9})!!\\ &= 9!/(\sqrt{9})!!\times 5^2-1.\end{aligned}$$

$$\begin{aligned}12923 &= -1+2\times 9\times(-2+3!!)\\ &= (3!!-2)\times(9\times 2)-1\\ &= -1+2\times(-2+3!!)\times 9\\ &= 9\times(3!!-2)\times 2-1.\end{aligned}$$

$$\begin{aligned}12933 &= (1+2)\times(-9+3!\times 3!!)\\ &= (3!\times 3!!-9)\times(2+1)\\ &= ((1+2)!!-3+3!!)\times 9\\ &= 9\times(3!!-3+(2+1)!!).\end{aligned}$$

$$\begin{aligned}12959 &= -1+2\times 9\times 5!\times(\sqrt{9})!\\ &= 9!/(5!-92)-1\\ &= -1+(-2+5)!!\times(9+9)\\ &= (9+9)\times(5-2)!!-1.\end{aligned}$$

$$\begin{aligned}12960 &= 1\times 2\times 9\times 6!+0\\ &= 0+6!\times 9\times 2\times 1\\ &= 01\times 2\times 6!\times 9\\ &= 9!/(6+21+0!).\end{aligned}$$

$$\begin{aligned}12961 &= 1+2\times 9\times 6!\times 1\\ &= 1+6!\times 9\times 2\times 1\\ &= (-1+1)!+2\times 6!\times 9\\ &= 9\times 6!\times 2+(-1+1)!.\end{aligned}$$

$$\begin{aligned}12962 &= 1\times 2+9\times 6!\times 2\\ &= 2+6!\times 9\times 2\times 1\\ &= 1\times 2+2\times 6!\times 9\\ &= 9\times 6!\times 2+2\times 1.\end{aligned}$$

$$\begin{aligned}12963 &= 1\times 2\times 9\times 6!+3\\ &= 3+6!\times 9\times 2\times 1\\ &= 1+2+(3!!+6!)\times 9\\ &= 9\times(6!+3!!)+2+1.\end{aligned}$$

$$12966 = 1 \times 2 \times 9 \times 6! + 6$$
$$= 6 + 6! \times 9 \times 2 \times 1$$
$$= (1 + 2)! + (6! + 6!) \times 9$$
$$= 9 \times (6! + 6!) + (2 + 1)!.$$

$$12967 = 1 \times 2 \times 9 \times 6! + 7$$
$$= 7 + 6! \times 9 \times 2 \times 1$$
$$= 1 + (2 - 6! + 7!) \times \sqrt{9}$$
$$= \sqrt{9} \times (7! - 6! + 2) + 1.$$

$$12969 = 1 \times 2 \times 9 \times 6! + 9$$
$$= 9 + 6! \times 9 \times 2 \times 1$$
$$= 1 \times 2 \times 6! \times 9 + 9$$
$$= 9 + 9 \times 6! \times 2 \times 1.$$

$$12975 = (1 + 2) \times (-(\sqrt{9})!! + 7! + 5)$$
$$= (5 + 7! - (\sqrt{9})!!) \times (2 + 1)$$
$$= (-(1 + 2)!! + 5 + 7!) \times \sqrt{9}$$
$$= \sqrt{9} \times (7! + 5 - (2 + 1)!!).$$

$$12993 = (-1 + (2 + (\sqrt{9})!!) \times (\sqrt{9})!) \times 3$$
$$= 3 \times ((\sqrt{9})! \times ((\sqrt{9})!! + 2) - 1)$$
$$= (-1 + (2 + 3!!) \times (\sqrt{9})!) \times \sqrt{9}$$
$$= \sqrt{9} \times ((\sqrt{9})! \times (3!! + 2) - 1).$$

$$12996 = 1 \times (2 + (\sqrt{9})!!) \times \sqrt{9} \times 6$$
$$= 6 \times \sqrt{9} \times ((\sqrt{9})!! + 2) \times 1$$
$$= (1 \times 2 + 6!) \times (9 + 9)$$
$$= (9 + 9) \times (6! + 2 \times 1).$$

$$13439 = ((1 + 3 + 4)! - 3)/\sqrt{9}$$
$$= 9!/(3^4/3) - 1$$
$$= -1 + (3 + 3 + \sqrt{4})!/\sqrt{9}$$
$$= (9 - 4 + 3)!/3 - 1.$$

$$13555 = (-1 - 3! + 5!) \times 5! - 5$$
$$= -5 + 5! \times (5! - 3! - 1).$$

$$13557 = -1 \times 3 + 5! \times (5! - 7)$$
$$= (-7 + 5!) \times 5! - 3 \times 1.$$

$$13566 = ((1 + 3)! - 5) \times (6! - 6)$$
$$= (-6 + 6!) \times (-5 + (3 + 1)!).$$

$$13679 = -1 + (3! + 6 + 7) \times (\sqrt{9})!!$$
$$= (\sqrt{9})!! \times (7 + 6 + 3!) - 1.$$

$$13823 = -1 + \sqrt{(3 \times 8)^{2 \times 3}}$$
$$= (32 - 8)^3 - 1$$
$$= -1 + (2 \times 3!)^3 \times 8$$
$$= (8 \times 3)^3 - 2 + 1.$$

$$13824 = 1 \times (3 \times 8)^2 \times 4!$$
$$= (-4 + 28)^3 \times 1$$
$$= (1 + 23)^{4!/8}$$
$$= (8 - 4)!^3 \times (2 - 1).$$

$$13924 = \sqrt{((-1 - 3 + 9)! - 2)^4}$$
$$= (\sqrt{4} - (2 + \sqrt{9})!)^{3-1}$$
$$= (1 + 3)!^3 + \sqrt{4} + 8$$
$$= 8 + 4!^3 + 3 - 1.$$

$$14335 = (-1 + 4 \times (-3 + 3!!)) \times 5$$
$$= 5 \times ((3!! - 3) \times 4 - 1)$$
$$= (-13 + 3!! \times 4) \times 5$$
$$= 5 \times (4 \times (3!! - 3) - 1).$$

$$14395 = (-1 + 4 \times (-3 + 9)!) \times 5$$
$$= 5 \times ((9 - 3)! \times 4 - 1)$$
$$= 1 - 3! + 4 \times 5 \times (\sqrt{9})!!$$
$$= (9! - 5!)/4! - 3!! \times 1.$$

$$14397 = 1 - 4 + (-3!! + \sqrt{9} \times 7!)$$
$$= 7! \times \sqrt{9} - 3!! - 4 + 1$$
$$= (-1 + 3!)! \times (-\sqrt{4} + 7)! - \sqrt{9}$$
$$= -9 + 7^4 \times 3! \times 1.$$

$$14399 = -1 + (4 + 3)! \times \sqrt{9} - (\sqrt{9})!!$$
$$= ((\sqrt{9})!!/(9 - 3))^{\sqrt{4}} - 1$$
$$= \sqrt{(-1 + 3!)!^4} - (-9 + 9)!$$
$$= (\sqrt{9})!! \times (9 - 4)!/3! - 1.$$

$$14400 = (1 + 4)!^{\sqrt{4}} + 0 + 0$$
$$= 0 + (0! + 4)!^{\sqrt{4}} \times 1$$
$$= (0! + 0! + 1)!! \times (-4 + 4!)$$
$$= (4! \times (4 + 1))^{0!+0!}.$$

$$14405 = (1 + 4)!^{\sqrt{4}} + 0 + 5$$
$$= 5 + (0! + 4)!^{\sqrt{4}} \times 1$$
$$= (0! + (1 + 4)! \times 4!) \times 5$$
$$= 5 \times (4 \times (4 - 1)!! + 0!).$$

$$14515 = (1 + 4)! \times (5! + 1) - 5$$
$$= 5! \times (1 + 5!) - 4 - 1$$
$$= (1 + (1 + 4)!) \times 5! - 5$$
$$= -5 + 5! \times ((4 + 1)! + 1).$$

$$14543 = -1 + (\sqrt{4 + 5})!! + 4!^3$$
$$= 3! \times 4! + 5!^{\sqrt{4}} - 1$$
$$= -1 + 3!! + 4!^{\sqrt{4+5}}$$
$$= (\sqrt{5 + 4})!! + 4!^3 - 1.$$

$$14544 = (1 + 4)! + 5!^{\sqrt{4}} + 4!$$
$$= 4!^{\sqrt{4+5}} + (4 - 1)!!$$
$$= (-1 + 4)!! + 4!^{\sqrt{4+5}}$$
$$= (\sqrt{5 + 4})!! + 4!^{4-1}.$$

$$14567 = -1 + 4! \times (-5! + 6! + 7)$$
$$= (7 + 6! - 5!) \times 4! - 1.$$

$$14753 = -1 + (-\sqrt{4} + 7! - 5!) \times 3$$
$$= 3 \times (-5! + 7! - \sqrt{4}) - 1$$
$$= -1 - 3 \times (\sqrt{4} + 5! - 7!)$$
$$= (7! - 5! - \sqrt{4}) \times 3 - 1.$$

$$14754 = (-1 + 4) \times (7! - 5! - \sqrt{4})$$
$$= (-\sqrt{4} - 5! + 7!) \times (4 - 1)$$
$$= (-1 + 4) \times (-\sqrt{4} - 5! + 7!)$$
$$= (7! - 5! - \sqrt{4}) \times (4 - 1).$$

$$14759 = 1 - \sqrt{4} + (7! - 5!) \times \sqrt{9}$$
$$= (\sqrt{9} + 5!) \times (7 - \sqrt{4})! - 1$$
$$= -1^4 + (-5! + 7!) \times \sqrt{9}$$
$$= \sqrt{9} \times (7! - (\sqrt{\sqrt{5^4}})!) - 1.$$

$$14905 = (1 + 4)^{(\sqrt{9})!} - (0! + 5)!$$
$$= 5^{(\sqrt{0+9})!} - (4 - 1)!!$$
$$= -(-01 + 4)!! + 5^{(\sqrt{9})!}$$
$$= -(\sqrt{9})!! + 5^{-4+10}.$$

$$\begin{aligned}14973 &= -1\times(49-7!)\times 3\\ &= 3\times(7!-9)-(4+1)!\\ &= (-1\times 3+4!)\times(-7+(\sqrt{9})!!)\\ &= ((\sqrt{9})!!-7)\times(4!-3)\times 1.\end{aligned}$$

$$\begin{aligned}14975 &= -1-4!+\sqrt{9}\times 7!-5!\\ &= -5!+7!\times\sqrt{9}-4!-1\\ &= -145+7!\times\sqrt{9}\\ &= \sqrt{9}\times 7!-5!-4!-1.\end{aligned}$$

$$\begin{aligned}14993 &= -1+(4!-\sqrt{9})\times((\sqrt{9})!!-3!)\\ &= (3!-(\sqrt{9})!!)\times(\sqrt{9}-4!)-1\\ &= -1+(-3+4!)\times(-(\sqrt{9})!+(\sqrt{9})!!)\\ &= ((\sqrt{9})!!-(\sqrt{9})!)\times(4!-3)-1.\end{aligned}$$

$$\begin{aligned}14994 &= -14\times 9+9!/4!\\ &= (4!-\sqrt{9})\times((\sqrt{9})!!-(4-1)!)\\ &= (1-4+4!)\times((\sqrt{9})!!-(\sqrt{9})!)\\ &= (-(\sqrt{9})!+(\sqrt{9})!!)\times\sqrt{441}.\end{aligned}$$

$$\begin{aligned}14997 &= -(1+4)!-\sqrt{9}+\sqrt{9}\times 7!\\ &= 7!\times\sqrt{9}-\sqrt{9}\times 41\\ &= -(1+4)!+7!\times\sqrt{9}-\sqrt{9}\\ &= \sqrt{\sqrt{9\times 9}}\times(7!-41).\end{aligned}$$

$$\begin{aligned}15097 &= 1-(5-0!)!+\sqrt{9}\times 7!\\ &= 7!\times\sqrt{9}+0!-(5-1)!\\ &= 0!-(-1+5)!+7!\times\sqrt{9}\\ &= \sqrt{9}\times 7!-(5-1)!+0!.\end{aligned}$$

$$\begin{aligned}15119 &= -1+(5+1+1)!\times\sqrt{9}\\ &= 9!/(\sqrt{1+15})!-1\\ &= -1+(1+1+5)!\times\sqrt{9}\\ &= 9!/(5-1)!-1\times 1.\end{aligned}$$

$$\begin{aligned}15473 &= -1+(5!-\sqrt{4}+7!)\times 3\\ &= 3\times(7!-\sqrt{4}+5!)-1\\ &= -1+3\times(-\sqrt{4}+5!+7!)\\ &= (7!+5!-\sqrt{4})\times 3-1.\end{aligned}$$

$$\begin{aligned}15479 &= -1^4+(5!+7!)\times\sqrt{9}\\ &= ((\sqrt{9})!!-75)\times 4!-1\\ &= (1+5!)\times\sqrt{4^7}-9\\ &= (9+(7-\sqrt{4})!)\times 5!-1.\end{aligned}$$

$$\begin{aligned}15585 &= 1\times(5^5-8)\times 5\\ &= 5\times(-8+5^5)\times 1\\ &= 1\times 5\times(5^5-8)\\ &= -8\times 5+5^{5+1}.\end{aligned}$$

$$\begin{aligned}15589 &= (-1+5!)\times(5!+8+\sqrt{9})\\ &= (\sqrt{9}+8+5!)\times(5!-1).\end{aligned}$$

$$\begin{aligned}15595 &= 1\times(5^5-(\sqrt{9})!)\times 5\\ &= 5^{(\sqrt{9})!}-5\times(5+1)\\ &= (-1-5)\times 5+5^{(\sqrt{9})!}\\ &= -(\sqrt{9})!\times 5+5^{5+1}.\end{aligned}$$

$$\begin{aligned}15624 &= 1+5^6+2-4\\ &= (\sqrt{4^2})!\times 651\\ &= -1^2 4+5^6\\ &= 6\times(5!+4)\times 21.\end{aligned}$$

$$\begin{aligned}15625 &= 1\times 5^{(6+2-5)!}\\ &= 5^{2\times 6-5-1}\\ &= 1\times(25/5)^6\\ &= (6-5)\times 5^{2+1}!.\end{aligned}$$

$$\begin{aligned}15631 &= 1+5^6+3!-1\\ &= (-1+3!)^6+5+1\\ &= (1-1+3)!+5^6\\ &= 6+5^{(3-1+1)!}.\end{aligned}$$

$$\begin{aligned}15635 &= -1+5^6+3!+5\\ &= 5^{3!}+6+5-1\\ &= (-1+3)\times 5+5^6\\ &= 6+5+5^{3!}-1.\end{aligned}$$

$$\begin{aligned}15655 &= 1\times 5\times(6+5^5)\\ &= (5^5+6)\times 5\times 1\\ &= (1+5)\times 5+5^6\\ &= 6\times 5+5^{5+1}.\end{aligned}$$

$$\begin{aligned}16345 &= (-1+6)^{3!}+(\sqrt{4+5})!!\\ &= \sqrt{5^{4\times 3}}+6!\times 1\\ &= (-1+3+4)!+5^6\\ &= 6!+5^{4+3-1}.\end{aligned}$$

$$\begin{aligned}16384 &= 16^3\times(8-4)\\ &= (\sqrt{48/3})^{6+1}\\ &= (1-3+4)^{6+8}\\ &= (8/(6-4))^{3!+1}.\end{aligned}$$

$$\begin{aligned}16464 &= -1\times 6!+(-4+6!)\times 4!\\ &= 4!\times(6!-4)-6!\times 1\\ &= 1\times 4!\times(-4+6!)-6!\\ &= -6!+(6!-4)\times 4!\times 1.\end{aligned}$$

$$\begin{aligned}16537 &= (-1+6!)\times(5\times 3!-7)\\ &= (-7+3!\times 5)\times(6!-1)\\ &= (-1+3!!)\times(5\times 6-7)\\ &= (-7+6\times 5)\times(3!!-1).\end{aligned}$$

$$\begin{aligned}16559 &= -1-6!+(5!/5)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!/5\times 5!-6!-1\\ &= -1+(5!+5!)\times 69\\ &= -(\sqrt{9})!!+6!\times 5!/5-1.\end{aligned}$$

$$\begin{aligned}16807 &= \sqrt{(1+6)^8}\times(0+7)\\ &= 7^{0\times 8+6-1}\\ &= (01+6)\times\sqrt{7^8}\\ &= \sqrt{(8-7+6)^{10}}.\end{aligned}$$

$$\begin{aligned}16944 &= (-1+6!-9-4)\times 4!\\ &= 4!\times(-4-9+6!-1)\\ &= -(1+4)!+4!\times(6!-9)\\ &= (-9+6!)\times 4!-(4+1)!.\end{aligned}$$

$$\begin{aligned}16945 &= 1+(6!-9)\times 4!-5!\\ &= -5!+4!\times(-9+6!)+1\\ &= 1-4!\times(5-6!+9)\\ &= (-9+6!-5)\times 4!+1.\end{aligned}$$

$$\begin{aligned}17232 &= ((1+7)/2)!\times(3!!-2)\\ &= (-2+3!)!\times(-2+(7-1)!)\\ &= ((1+2)!!-2)\times(-3+7)!\\ &= (7-3)!\times(-2+(2+1)!!).\end{aligned}$$

$$\begin{aligned}17274 &= 1-7+(\sqrt{2+7})!!\times 4!\\ &= 4!\times(\sqrt{7+2})!!-7+1\\ &= -(1+2)!+4!\times 7!/7\\ &= 7!/7\times 4!-(2+1)!.\end{aligned}$$

$$\begin{aligned}17279 &= -1+(\sqrt{2+7})!!\times(\sqrt{7+9})!\\ &= 9!/(7+7\times 2)-1\\ &= -1+(7+2)!/(7\times\sqrt{9})\\ &= 9!/(7+2\times 7)-1.\end{aligned}$$

$$\begin{aligned}17303 &= -1+(7-3)!\times(0!+3!!)\\ &= (3!!+0!)\times(-3+7)!-1\\ &= -0!+(1+3!!)\times(-3+7)!\\ &= (7-3)!\times(3!!+1)-0!.\end{aligned}$$

$$\begin{aligned}17329 &= 1+(7-3)!\times(2+(\sqrt{9})!!)\\ &= ((\sqrt{9})!!+2)\times(-3+7)!+1\\ &= 1+(2+3!!)\times(\sqrt{7+9})!\\ &= (\sqrt{9+7})!\times(3!!+2)+1.\end{aligned}$$

$$\begin{aligned}17346 &= ((-1+7)!+3)\times 4!-6\\ &= -6+(4!\times(3+(7-1)!))\\ &= (1+3!!)\times 4!+6\times 7\\ &= 7\times 6+4!\times(3!!+1).\end{aligned}$$

$$\begin{aligned}17349 &= ((-1+7)!+3)\times 4!-\sqrt{9}\\ &= -\sqrt{9}+4!\times(3+(7-1)!)\\ &= (-1+3!!+4!+7!)\times\sqrt{9}\\ &= \sqrt{9}\times(7!+4!+3!!-1).\end{aligned}$$

$$\begin{aligned}17449 &= 1+7\times 4!+4!\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times 4!+4!\times 7+1\\ &= 1^{4!}+4!\times(7+(\sqrt{9})!!)\\ &= ((\sqrt{9})!!+7)\times(\sqrt{4\times 4})!+1.\end{aligned}$$

$$\begin{aligned}17496 &= (-1+7)\times 4\times\sqrt{9^6}\\ &= ((6\times\sqrt{9})^4)/(7-1)\\ &= (-1+4)^6\times(\sqrt{7+9})!\\ &= \sqrt{9^7\times 64}\times 1.\end{aligned}$$

$$\begin{aligned}19344 &= ((1+\sqrt{9})!+3!!)\times(4!+\sqrt{4})\\ &= (4!+\sqrt{4})\times(3!!+(\sqrt{9}+1)!)\\ &= (-1+3+4!)\times(4!+(\sqrt{9})!!)\\ &= ((\sqrt{9})!!-4\times 4!)\times 31.\end{aligned}$$

$$\begin{aligned}19368 &= 1\times 9\times(3\times 6!-8)\\ &= (-8+6!\times 3)\times 9\times 1\\ &= (1\times 3\times 6!-8)\times 9\\ &= 9\times(-8+6!\times 3\times 1).\end{aligned}$$

$$\begin{aligned}19413 &= (-1+(\sqrt{9})!!)\times(4-1)^3\\ &= (31-4)\times((\sqrt{9})!!-1)\\ &= (-1+1\times 3!!)\times(4!+\sqrt{9})\\ &= (\sqrt{9}+4!)\times(3!!\times 1-1).\end{aligned}$$

$$\begin{aligned}19433 &= -1+(\sqrt{9}+4!)\times 3!!-3!\\ &= 3!!\times(3+4!)-(\sqrt{9})!-1\\ &= -1+3!!\times(3+4!)-(\sqrt{9})!\\ &= (\sqrt{9})!!\times(4!+3)-3!-1.\end{aligned}$$

$$\begin{aligned}19435 &= (-1+(\sqrt{9})!^4)\times 3\times 5\\ &= 5\times(3!^4\times\sqrt{9}-1)\\ &= (1+3!)!\times 4-5-(\sqrt{9})!!\\ &= -(\sqrt{9})!!-5+4\times(3!+1)!.\end{aligned}$$

$$\begin{aligned}19436 &= -1-\sqrt{9}+(4!+3)\times 6!\\ &= 6!\times(3+4!)-\sqrt{9}-1\\ &= -1+(3+4!)\times 6!-\sqrt{9}\\ &= -\sqrt{9}+6!\times(4!+3)-1.\end{aligned}$$

$$\begin{aligned}19439 &= -1+(\sqrt{9\times 4})!\times 3\times 9\\ &= 9\times 3\times(\sqrt{4\times 9})!-1\\ &= -1+3!!\times(4\times 9-9)\\ &= (-9+9\times 4)\times 3!!-1.\end{aligned}$$

$$\begin{aligned}19441 &= 1+(\sqrt{9}+4!)\times(4-1)!!\\ &= (-1+4+4!)\times(\sqrt{9})!!+1\\ &= 1+(-1+4+4!)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(4!+4-1)+1.\end{aligned}$$

$$\begin{aligned}19447 &= -1-(\sqrt{9})!!+4\times(\sqrt{4}+7!)\\ &= (7!+\sqrt{4})\times 4-(\sqrt{9})!!-1\\ &= -1+4\times(\sqrt{4}+7!)-(\sqrt{9})!!\\ &= -(\sqrt{9})!!+(7!+\sqrt{4})\times 4-1.\end{aligned}$$

$$\begin{aligned}19449 &= (1+\sqrt{9}\times(4+\sqrt{4})!)\times 9\\ &= 9\times((4+\sqrt{4})!\times\sqrt{9}+1)\\ &= (-1+4+4!)\times(\sqrt{9})!!+9\\ &= 9+(\sqrt{9})!!\times(4!+4-1).\end{aligned}$$

$$\begin{aligned}19493 &= -1+((\sqrt{9})!!+\sqrt{4})\times 9\times 3\\ &= 3\times 9\times(\sqrt{4}+(\sqrt{9})!!)-1\\ &= -1+(3!!+\sqrt{4})\times\sqrt{9}\times 9\\ &= \sqrt{9}\times 9\times(\sqrt{4}+3!!)-1.\end{aligned}$$

$$\begin{aligned}19494 &= 1\times(\sqrt{9}+4!)\times((\sqrt{9})!!+\sqrt{4})\\ &= (4!+\sqrt{9})\times(\sqrt{4}+(\sqrt{9})!!)\times 1\\ &= ((-1+4)!!+\sqrt{4})\times\sqrt{9}\times 9\\ &= \sqrt{9}\times 9\times(\sqrt{4}+(4-1)!!).\end{aligned}$$

$$\begin{aligned}19683 &= 1\times(9-6)^8\times 3\\ &= 3^8\times 6/(\sqrt{9}-1)\\ &= ((1-3+6)!/8)^9\\ &= \sqrt{9^{(8-6)^3+1}}.\end{aligned}$$

$$\begin{aligned}19684 &= 1+\sqrt{\sqrt{9^{6+8+4}}}\\ &= (-4!/8+6)^9+1\\ &= 1+(4\times 6/8)^9\\ &= \sqrt{\sqrt{9^{8+6+4}}}+1.\end{aligned}$$

$$\begin{aligned}19693 &= 1+9+\sqrt{(6!+9)^3}\\ &= 3^9+6+\sqrt{9}+1\\ &= 1+(-3+6)^9+9\\ &= \sqrt{9^9}+6+3+1.\end{aligned}$$

$$\begin{aligned}19699 &= 16+\sqrt{\sqrt{9^{9+9}}}\\ &= \sqrt{9^9}+9+6+1\\ &= 1+9+6+\sqrt{9^9}\\ &= \sqrt{9^9}+6+9+1.\end{aligned}$$

$$\begin{aligned}20144 &= (((2+0!)!+1)!-4)\times 4\\ &= 4\times(-4+(1+(0!+2)!)!)\\ &= ((0!+(1+2)!)!-4)\times 4\\ &= 4\times(-4+((2+1)!+0!)!).\end{aligned}$$

$$\begin{aligned}20455 &= (\sqrt{02^{4!}}-5)\times 5\\ &= 5\times(-5+4^{(2+0!)!})\\ &= (\sqrt{2^{(0+4)!}}-5)\times 5\\ &= 5\times(-5+4^{(0!+2)!}).\end{aligned}$$

$$\begin{aligned}21456 &= (2+1)!\times(-4!+5\times 6!)\\ &= (6!\times 5-4!)\times(1+2)!\\ &= 12^4+5!\times 6\\ &= (6!\times 5-4!)\times(2+1)!.\end{aligned}$$

$$\begin{aligned}21597 &= -2-1+5\times(-(\sqrt{9})!!+7!)\\ &=(7!-(\sqrt{9})!!)\times 5-1-2\\ &=-1-2+5\times(7!-(\sqrt{9})!!)\\ &=(-(\sqrt{9})!!+7!)\times 5-2-1.\end{aligned}$$

$$\begin{aligned}21599 &= -2+1+5\times(\sqrt{9})!\times(\sqrt{9})!!\\ &=(\sqrt{9})!!\times(\sqrt{9})!\times 5+1-2\\ &=-1+2\times 5\times\sqrt{9}\times(\sqrt{9})!!\\ &=(\sqrt{9})!!\times\sqrt{9}\times 5\times 2-1.\end{aligned}$$

$$\begin{aligned}23324 &= 2\times(-2+3!^{3!}/4)\\ &=-4+3!^{3\times 2}/2\\ &=(2\times 3)^{3!}/2-4\\ &=-4+(2\times 3)^{3!}/2.\end{aligned}$$

$$\begin{aligned}23328 &= (2\times 3^3)^2\times 8\\ &=(8-2)^{3+3}/2\\ &=2\times 2\times 3^{3!}\times 8\\ &=8\times(3^3\times 2)^2.\end{aligned}$$

$$\begin{aligned}23334 &= 2\times(3+3!^{3!}/4)\\ &=(4\times 3+3!^{3!})/2.\end{aligned}$$

$$\begin{aligned}23424 &= (2\times 3!!+4!)\times 2^4\\ &=4^2\times(4!+3!!\times 2)\\ &=(2\times 2)!\times(3!!+4^4)\\ &=(4^4+3!!)\times(2+2)!.\end{aligned}$$

$$\begin{aligned}23694 &= (-2+(\sqrt{36})!)\times(9+4!)\\ &=(4!+9)\times((6-3)!!-2)\\ &=(2-3!!)\times(-4\times 6-9)\\ &=(9+6\times 4)\times(3!!-2).\end{aligned}$$

$$\begin{aligned}23755 &= -2\times 3!!+7!\times 5-5\\ &=-5+5\times 7!-3!!\times 2\\ &=-2\times 3!!-5+5\times 7!\\ &=7!\times 5-5-3!!\times 2.\end{aligned}$$

$$\begin{aligned}24476 &= 2\times(-\sqrt{4}+(4!-7)\times 6!)\\ &=(6!\times(-7+4!)-\sqrt{4})\times 2\\ &=-2\times(\sqrt{4}-4!\times 6!+7!)\\ &=(-7!+6!\times 4!-\sqrt{4})\times 2.\end{aligned}$$

$$\begin{aligned}24594 &= 2\times(-4!+(5!-9)^{\sqrt{4}})\\ &=(-4!+(9-5!)^{\sqrt{4}})\times 2\\ &=(\sqrt{2^{4!}}+\sqrt{4+5})\times(\sqrt{9})!\\ &=(\sqrt{(9-5!)^4}-4!)\times 2.\end{aligned}$$

$$\begin{aligned}25167 &= 2+5\times((1+6)!-7)\\ &=(7!-6-1)\times 5+2\\ &=-1-2+5\times(-6+7!)\\ &=(7!-6)\times 5-2-1.\end{aligned}$$

$$\begin{aligned}25173 &= -2+5\times(1+7!-3!)\\ &=(-3!+7!+1)\times 5-2\\ &=-(1+2)^3+5\times 7!\\ &=7!\times 5-3^{2+1}.\end{aligned}$$

$$\begin{aligned}25174 &= -4!+7!\times 1\times 5-2\\ &=-2+5\times 1\times 7!-4!\\ &=-1\times 2-4!+5\times 7!\\ &=7!\times 5-4!-2\times 1.\end{aligned}$$

$$\begin{aligned}25175 &= 25\times(-1+7!/5)\\ &=5\times 7!-1\times 5^2\\ &=-1\times 25+5\times 7!\\ &=(7!-5)\times 5\times(2-1).\end{aligned}$$

$$\begin{aligned}25194 &= -2+5\times(1+(\sqrt{9})!)!-4\\ &=-4+((\sqrt{9})!+1)!\times 5-2\\ &=(1+2+4)!\times 5-(\sqrt{9})!\\ &=-(\sqrt{9})!+5\times(4+2+1)!.\end{aligned}$$

$$\begin{aligned}25195 &= ((2+5)!-1^9)\times 5\\ &=-5+((\sqrt{9})!-1)\times(5+2)!\\ &=1+(2+5)!\times 5-(\sqrt{9})!\\ &=-(\sqrt{9})!+5\times(5+2)!+1.\end{aligned}$$

$$\begin{aligned}25197 &= 2-5\times(1^9-7!)\\ &=7!\times((\sqrt{9})!-1)-5+2\\ &=-12+5\times 7!+9\\ &=-9+7!\times 5+(2+1)!.\end{aligned}$$

$$\begin{aligned}25205 &= ((\sqrt{25}+2)!+0!)\times 5\\ &=5\times(0!+(\sqrt{25}+2)!)\\ &=((0\times 2)!+(2+5)!)\times 5\\ &=5\times((5+2)!+(2\times 0)!).\end{aligned}$$

$$\begin{aligned}25215 &= ((2+5)!+2+1)\times 5\\ &=5\times(1+2+(5+2)!)\\ &=(1+2+(2+5)!)\times 5\\ &=5\times((5+2)!+2+1).\end{aligned}$$

$$\begin{aligned}25375 &= (2^5+3+7!)\times 5\\ &=5\times(7!+\sqrt{35^2})\\ &=((2\times 3)!+5)\times 5\times 7\\ &=7\times 5\times(5+(3\times 2)!).\end{aligned}$$

$$\begin{aligned}25758 &= -2+5\times(7!+5!-8)\\ &=(-8+5!+7!)\times 5-2\\ &=-2+5\times(5!+7!-8)\\ &=(-8+7!+5!)\times 5-2.\end{aligned}$$

$$\begin{aligned}25795 &= (2+5!+7!-\sqrt{9})\times 5\\ &=5\times(-\sqrt{9}+7!+5!+2)\\ &=-2+5\times(5!+7!)-\sqrt{9}\\ &=-\sqrt{9}+(7!+5!)\times 5-2.\end{aligned}$$

$$\begin{aligned}25798 &= -2+(5!+7!)\times(-\sqrt{9}+8)\\ &=(8-\sqrt{9})\times(7!+5!)-2\\ &=-2+(5!+7!)\times(8-\sqrt{9})\\ &=(-\sqrt{9}+8)\times(7!+5!)-2.\end{aligned}$$

$$\begin{aligned}25944 &= (2+5!\times 9)\times 4!-4!\\ &=4!+4\times 9\times(5-2)!!\\ &=24+4!\times 5!\times 9\\ &=9\times 5!\times 4!+(\sqrt{4^2})!.\end{aligned}$$

$$\begin{aligned}25968 &= (-2+5)!\times((\sqrt{9})!\times 6!+8)\\ &=(8+6\times(\sqrt{9})!!)\times(5-2)!\\ &=((2+5)!-6!+8)\times(\sqrt{9})!\\ &=(\sqrt{9})!\times(8-6!+(5+2)!).\end{aligned}$$

$$\begin{aligned}25992 &= 2\times(5!-9+\sqrt{9})^2\\ &=2\times(\sqrt{9}-9+5!)^2\\ &=(2\times 2)!\times(5!\times 9+\sqrt{9})\\ &=(\sqrt{9}+9\times 5!)\times(2+2)!.\end{aligned}$$

$$\begin{aligned}25994 &= 2+(5!\times 9+\sqrt{9})\times 4!\\ &=4!\times(\sqrt{9}+9\times 5!)+2\\ &=2+4!\times(5!\times 9+\sqrt{9})\\ &=(\sqrt{9}+9\times 5!)\times 4!+2.\end{aligned}$$

$$\begin{aligned}26496 &= (2+6)! - 4!^{9-6}\\ &= 69 \times (4! + 6!/2)\\ &= \sqrt{\sqrt{2^{4!}}} \times 6 \times 69\\ &= (\sqrt{9})!! \times 6 \times 6 + 4!^2.\end{aligned}$$

$$\begin{aligned}26892 &= 2 \times (\sqrt{9} + 8!/6) \times 2\\ &= 2 \times 6 + 8!/\sqrt{9}\times\\ &= \sqrt{2 \times 2} \times (6 + 8!/\sqrt{9})\\ &= (\sqrt{9} + 8!/6) \times (2+2).\end{aligned}$$

$$\begin{aligned}26894 &= 2 + 6 \times (8!/9 + \sqrt{4})\\ &= 4 \times (\sqrt{9} + 8!/6) + 2\\ &= 2 + \sqrt{4} \times (6 + 8!/\sqrt{9})\\ &= (\sqrt{9} + 8!/6) \times 4 + 2.\end{aligned}$$

$$\begin{aligned}27648 &= 2^7 \times 6^{4!/8}\\ &= \sqrt{8^4} \times 6 \times 72\\ &= 2 \times \sqrt{4!^6} \times (-7+8)\\ &= 8! - (7! + 6^4) \times 2.\end{aligned}$$

$$\begin{aligned}28896 &= (\sqrt{2^{(\sqrt{8+8})!}} + (\sqrt{9})!!) \times 6\\ &= 6 \times ((\sqrt{9})!! + 8^{8/2})\\ &= 2 \times (6! + \sqrt{8^8}) \times \sqrt{9}\\ &= (\sqrt{9})! \times (\sqrt{8^8} + (\sqrt{6^2})!).\end{aligned}$$

$$\begin{aligned}29374 &= -2 - (\sqrt{9})!! + 3! \times (7! - 4!)\\ &= (-4! + 7!) \times 3! - (\sqrt{9})!! - 2\\ &= -2 + 3! \times (-4! + 7!) - (\sqrt{9})!!\\ &= (\sqrt{9})! \times (7! - 4!) - 3!! - 2.\end{aligned}$$

$$\begin{aligned}29376 &= (-(-2 + (\sqrt{9})!)! \times 3! + 7!) \times 6\\ &= 6 \times (7! - (3+9)^2)\\ &= (-(-2+3!)! \times 6 + 7!) \times (\sqrt{9})!\\ &= (\sqrt{9})! \times (7! - 6!/(3+2)).\end{aligned}$$

$$\begin{aligned}30198 &= 3! \times (0! + (1 + (\sqrt{9})!)! - 8)\\ &= (-8 + ((\sqrt{9})! + 1)! + 0!) \times 3!\\ &= (0! + (1+3!)! - 8) \times (\sqrt{9})!\\ &= (\sqrt{9})! \times (-8 + (3!+1)! + 0!).\end{aligned}$$

$$\begin{aligned}30234 &= 3! \times (0! - 2 + (3+4)!)\\ &= ((4+3)! - (2 \times 0)!) \times 3!\\ &= -(0!+2)! + 3! \times (3+4)!\\ &= (4+3)! \times 3! - (2+0!)!.\end{aligned}$$

$$\begin{aligned}30235 &= 3! \times (0! + 2 \times 3)! - 5\\ &= -5 + 3 \times 2 \times (0! + 3!)!\\ &= (0! + 2 \times 3)! \times 3! - 5\\ &= -5 + 3! \times (3 \times 2 + 0!)!.\end{aligned}$$

$$\begin{aligned}30237 &= 7! \times 3 \times 2 - 0 - 3\\ &= -3 + 0 + 2 \times 3 \times 7!\\ &= 0 \times 2 - 3 + 3! \times 7!\\ &= 7! \times 3! - 3 + 2 \times 0.\end{aligned}$$

$$\begin{aligned}30243 &= 3! \times (0! + 2 + 4)! + 3\\ &= 3 + 42 \times (0 + 3!!)\\ &= (0!+2) + 3! \times (3+4)!\\ &= (4+3)! \times 3! + 2 + 0!.\end{aligned}$$

$$\begin{aligned}30264 &= 3! \times (((0/2)! + 6)! + 4)\\ &= (4 + (6 + (2 \times 0)!)!) \times 3!\\ &= ((0! + 2 \times 3)! + 4) \times 6\\ &= 6 \times (4 + (3 \times 2 + 0!)!).\end{aligned}$$

$$\begin{aligned}30267 &= 3^{0!+2} + 6 \times 7!\\ &= 7! \times 6 + (2+0!)^3\\ &= (0!+2)^3 + 6 \times 7!\\ &= 7! \times 6 + 3^{2+0!}.\end{aligned}$$

$$\begin{aligned}30273 &= 3! \times ((0!+2)! + 7!) - 3\\ &= ((3! + 7!) \times 2 - 0!) \times 3\\ &= -0! - 2 + 3! \times (3! + 7!)\\ &= 7! \times 3! + 32 + 0!.\end{aligned}$$

$$\begin{aligned}30276 &= (6 + 7!) \times 2 \times (0+3)\\ &= 3 \times (0+2) \times (7! + 6)\\ &= 02 \times 3 \times (6 + 7!)\\ &= (7! + 6) \times 3 \times 2 \times 0!.\end{aligned}$$

$$\begin{aligned}30279 &= 3 \times (0! + 2 \times (7! + (\sqrt{9})!))\\ &= ((((\sqrt{9})! + 7!) \times 2) + 0!) \times 3\\ &= (0!+2)! \times (3! + 7!) + \sqrt{9}\\ &= \sqrt{9} + (7! + 3!) \times (2 + 0!)!.\end{aligned}$$

$$\begin{aligned}30297 &= 3 \times (0! + 2 \times (9 + 7!))\\ &= ((7! + 9) \times 2 + 0!) \times 3\\ &= 0! + 2 + 3! \times (7! + 9)\\ &= (9 + 7!) \times 3! + 2 + 0!.\end{aligned}$$

$$\begin{aligned}30355 &= 3! \times (0! + 3!)! + 5! - 5\\ &= 5! - 5 + 3! \times (0! + 3!)!\\ &= (0! + 3!)! \times 3! - 5 + 5!\\ &= 5! - 5 + 3! \times (3! + 0!)!.\end{aligned}$$

$$\begin{aligned}30366 &= (3! + 0!) \times (3 + 6!) \times 6\\ &= 6 \times (6! + 3) \times (0! + 3!)\\ &= (0! + 3!) \times (3 + 6!) \times 6\\ &= 6 \times (6! + 3) \times (3! + 0!).\end{aligned}$$

$$\begin{aligned}30597 &= 3 \times (-0! + 5!) + (\sqrt{9})! \times 7!\\ &= 7! \times (\sqrt{9})! + (5! - 0!) \times 3\\ &= -0! + 3!! + (-\sqrt{4} + 7!) \times (\sqrt{9})!\\ &= (\sqrt{9})! \times (7! - \sqrt{4}) + 3!! - 0!.\end{aligned}$$

$$\begin{aligned}30957 &= -3 - 0 + (\sqrt{9})! \times (5! + 7!)\\ &= (7! + 5!) \times (\sqrt{9})! - 03\\ &= -03 + (5! + 7!) \times (\sqrt{9})!\\ &= -\sqrt{9} + (7! + 5!) \times 3! \times 0!.\end{aligned}$$

$$\begin{aligned}30960 &= 3! \times (0! + (\sqrt{9})!)! + 6! + 0\\ &= 0 + 6! + (\sqrt{9})! \times (0! + 3!)!\\ &= (0! + 03!)! \times 6 + (\sqrt{9})!!\\ &= (\sqrt{9})!! + 6 \times (3! \times 0! + 0!)!.\end{aligned}$$

$$\begin{aligned}30961 &= 3! \times (0! + (\sqrt{9})!)! + 6! + 1\\ &= 1 + 6! + (\sqrt{9})! \times (0! + 3!)!\\ &= 0! + (1+3!)! \times 6 + (\sqrt{9})!!\\ &= (\sqrt{9})!! + 6 \times (3!+1)! + 0!.\end{aligned}$$

$$\begin{aligned}30963 &= 3! \times (0! + (\sqrt{9})!)! + 6! + 3\\ &= 3 + 6! + (\sqrt{9})! \times (0! + 3!)!\\ &= (0! + 3!)! \times 3! + 6! + \sqrt{9}\\ &= \sqrt{9} + 6! + 3! \times (3! + 0!)!.\end{aligned}$$

$$\begin{aligned}30966 &= 3! \times (0! + (\sqrt{9})!)! + 6! + 6\\ &= 6 + 6! + (\sqrt{9})! \times (0! + 3!)!\\ &= (0! + 3!)! \times 6 + 6 + (\sqrt{9})!!\\ &= (\sqrt{9})!! + 6 + 6 \times (3! + 0!)!.\end{aligned}$$

$$\begin{aligned}30967 &= 3! \times (0! + (\sqrt{9})!)! + 6! + 7\\ &= 7 + 6! + (\sqrt{9})! \times (0! + 3!)!\\ &= 0! + 3! + 6 \times 7! + (\sqrt{9})!!\\ &= (\sqrt{9})!! + 7 + 6 \times (3! + 0!)!.\end{aligned}$$

$$30968 = 3! \times (0! + (\sqrt{9})!)! + 6! + 8$$
$$= 8 + 6! + (\sqrt{9})! \times (0! + 3!)!$$
$$= (0! + 3!)! \times 6 + 8 + (\sqrt{9})!!$$
$$= (\sqrt{9})!! + 8 + 6 \times (3! + 0!)!.$$

$$30969 = 3! \times (0! + (\sqrt{9})!)! + 6! + 9$$
$$= 9 + 6 \times ((\sqrt{9})! + 0!)! + 3!!$$
$$= (0! + 3!)! \times 6 + 9 + (\sqrt{9})!!$$
$$= (\sqrt{9})!! + 9 + 6 \times (3! + 0!)!.$$

$$30979 = 3!! + 0! + (\sqrt{9} + 7!) \times (\sqrt{9})!$$
$$= ((\sqrt{9} + 7!) \times (\sqrt{9})! + 0!) + 3!!$$
$$= 0! + (3 + 7!) \times (\sqrt{9})! + (\sqrt{9})!!$$
$$= (\sqrt{9})!! + (\sqrt{9})! \times (7! + 3) + 0!.$$

$$30996 = 3!! + ((0! + (\sqrt{9})!)! + (\sqrt{9})!) \times 6$$
$$= 6! + (\sqrt{9})! \times ((\sqrt{9})! + (0! + 3!)!)$$
$$= ((0! + 3!)! + 6) \times (\sqrt{9})! + (\sqrt{9})!!$$
$$= (\sqrt{9})!! + (\sqrt{9})! \times (6 + (3! + 0!)!).$$

$$30997 = 3!! + 0! + (\sqrt{9})! \times ((\sqrt{9})! + 7!)$$
$$= (7! + (\sqrt{9})!) \times (\sqrt{9})! + 0! + 3!!$$
$$= 0! + (3! + 7!) \times (\sqrt{9})! + (\sqrt{9})!!$$
$$= (\sqrt{9})!! + (\sqrt{9})! \times (7! + 3!) + 0!.$$

$$31668 = -(3!! + 1) \times (6 + 6) + 8!$$
$$= 8! - (6 + 6) \times (1 + 3!!)$$
$$= -(1 + 3!!) \times (6 + 6) + 8!$$
$$= 8! - (6 + 6) \times (3!! + 1).$$

$$31679 = 3!! - 1 + 6! + 7! \times (\sqrt{9})!$$
$$= (\sqrt{9})! \times 7! + 6! - 1 + 3!!$$
$$= -1 + 3!! + 6 \times 7! + (\sqrt{9})!!$$
$$= (\sqrt{9})! \times (7! + 6!/3) - 1.$$

$$31944 = (3! + 1 \times (\sqrt{9})!!) \times 44$$
$$= 4! \times (\sqrt{4} + 9 \times 1)^3$$
$$= 1 \times 3 \times (-\sqrt{4} + 4!)^{\sqrt{9}}$$
$$= \sqrt{9} \times (-\sqrt{4} + 4!)^3 \times 1.$$

$$32395 = 3!! \times (2 + 3) \times 9 - 5$$
$$= 5 \times 9 \times 3!! - 2 - 3$$
$$= -2 - 3 + 3!! \times 5 \times 9$$
$$= 9 \times 5 \times 3!! - 3 - 2.$$

$$32748 = -3! \times (2 + 7!/4) + 8!$$
$$= 8! - (4 + 7!/2) \times 3$$
$$= 2 \times (-3! + 4^7) - 8$$
$$= (8 + 7)!/(5 + 3!)! - 2.$$

$$32768 = (3 - 2 + 7)^6/8$$
$$= ((8 - 6)^{7-2})^3$$
$$= 2^{3!-6+7+8}$$
$$= (8 \times (7 - 6))^{3+2}.$$

$$32774 = (3 + 2^{7+7}) \times \sqrt{4}$$
$$= 4^{\sqrt{7 \times 7}} \times 2 + 3!$$
$$= 2 \times (3 + \sqrt{4^{7+7}})$$
$$= 7 \times (7! + (4 - 3!!)/2).$$

$$32784 = ((3! - 2)^7 + 8) \times \sqrt{4}$$
$$= 4! + 8! - 7!/2 \times 3$$
$$= \sqrt{-2 + 3!} \times (4^7 + 8)$$
$$= 8!/7! \times (4^{3!} + 2).$$

$$33408 = 3! \times (3!! - 4!) \times (0 + 8)$$
$$= 8 \times (0 - 4! + 3!!) \times 3!$$
$$= (-(0! + 3)! + 3!!) \times 48$$
$$= 8 \times (-4! + 3!!) \times 3! \times 0!.$$

$$33488 = 3!! + (3! + \sqrt{4}) \times \sqrt{8^8}$$
$$= 8 \times 8^4 + (3 + 3)!.$$

$$33489 = (3 + 3!!/4)^{8-(\sqrt{9})!}$$
$$= (-9 + 8 \times 4!)^{3!/3}.$$

$$33558 = (3!! - 3!) \times (55 - 8)$$
$$= (-8 + 55) \times (-3! + 3!!).$$

$$33648 = -3!! + 3! \times (6! - 4) \times 8$$
$$= 8 \times (-4 + 6!) \times 3! - 3!!$$
$$= -3!! + (3!! - 4) \times 6 \times 8$$
$$= 8 \times 6 \times (-4 + 3!!) - 3!!.$$

$$33696 = (3!^3 + 6!) \times (\sqrt{9})! \times 6$$
$$= (6^{\sqrt{9}} + 6!) \times 3! \times 3!$$
$$= 3!^{3!} - (6! + 6!) \times 9$$
$$= -9 \times (6! + 6!) + 3!^{3!}.$$

$$33768 = 3!^3 \times \sqrt{7^6} - 8!$$
$$= -8! + (6 \times 7)^{\sqrt{3 \times 3}}$$
$$= -3!! + (-3^6 + 7!) \times 8$$
$$= -8! + (7 \times (6 - 3)!)^3.$$

$$33798 = -3!! + 3! \times (-7 + (\sqrt{9})!! \times 8)$$
$$= (8 \times (\sqrt{9})!! - 7) \times 3! - 3!!$$
$$= -3!! - 3! \times (7 - 8 \times (\sqrt{9})!!)$$
$$= ((\sqrt{9})!! \times 8 - 7) \times 3! - 3!!.$$

$$33835 = 3!! \times 3! \times 8 - 3!! - 5$$
$$= -5 + 3!! \times 8 \times 3! - 3!!$$
$$= -3 \times 3 \times 3!! - 5 + 8!$$
$$= 8! - 5 - 3 \times 3 \times 3!!.$$

$$33837 = -3 - 3!! + 8! \times 3!/7$$
$$= (7! - 3!!) \times 8 - 3!! - 3$$
$$= -3!! - 3!! - 3 - 7! + 8!$$
$$= 8! - 7! - 3 - 3!! - 3!!.$$

$$33864 = -3!! + 3! \times (8 \times 6! + 4)$$
$$= (4 + 6! \times 8) \times 3! - 3!!$$
$$= -3!! + 3! \times (4 + 6! \times 8)$$
$$= (8 \times 6! + 4) \times 3! - 3!!.$$

$$33984 = 3! \times ((3!! - 9) \times 8 - 4!)$$
$$= -48 \times (9 + 3 - 3!!)$$
$$= (3 + 3!!) \times 48 - (\sqrt{9})!!$$
$$= (9! - 8!)/4 - 3!^{3!}.$$

$$34266 = -3! + 4! \times 2 \times (6! - 6)$$
$$= (6! - 6) \times 2 \times 4! - 3!$$
$$= 2 \times (-3 + 4! \times (-6 + 6!))$$
$$= ((-6 + 6!) \times 4! - 3) \times 2!.$$

$$34295 = (3 + 4^2)^{\sqrt{9}} \times 5$$
$$= 5 \times (\sqrt{9} + 2^4)^3$$
$$= (2 + 3) \times (4! - 5)^{\sqrt{9}}$$
$$= 95 \times (\sqrt{4} + 3!!)/2.$$

$$34368 = (3!! - 4) \times \sqrt{36} \times 8$$
$$= 8 \times ((6 - 3)!! - 4) \times 3!$$
$$= ((3 + 3)! - 4) \times 6 \times 8$$
$$= 8 \times 6 \times (-4 + (3 + 3)!).$$

$$\begin{aligned}34386 &= (3-(4-3!!)\times 8)\times 6\\ &= 6\times(8\times(3!!-4)+3)\\ &= 3!\times(3+(-4+6!)\times 8)\\ &= (8\times(6!-4)+3)\times 3!.\end{aligned}$$

$$\begin{aligned}34398 &= 3!\times(-4!-3+(\sqrt{9})!!\times 8)\\ &= (8\times(\sqrt{9})!!-3-4!)\times 3!\\ &= -3!\times(3+4!-8\times(\sqrt{9})!!)\\ &= ((\sqrt{9})!!\times 8-4!-3)\times 3!.\end{aligned}$$

$$\begin{aligned}34464 &= 3\times 4\times 4\times(6!-\sqrt{4})\\ &= 4\times(6!-\sqrt{4})\times 4\times 3\\ &= 3!!\times 4!+4!\times(-4+6!)\\ &= (6!-4)\times 4!+4!\times 3!!.\end{aligned}$$

$$\begin{aligned}34488 &= -3^{4+\sqrt{4}}\times 8+8!\\ &= 8!-(-8+4!+\sqrt{4})^3.\end{aligned}$$

$$\begin{aligned}34497 &= 3!!\times 4!\times\sqrt{4}-9\times 7\\ &= -7\times 9+4!\times\sqrt{4}\times 3!!\\ &= 3!!\times(4!+4!)-7\times 9\\ &= -9\times 7+(4!+4!)\times 3!!.\end{aligned}$$

$$\begin{aligned}34542 &= (3!!\times 4!-5-4)\times 2\\ &= 2\times(-4-5+4!\times 3!!)\\ &= 2\times(3!!\times 4!-4-5)\\ &= (-5-4+4!\times 3!!)\times 2.\end{aligned}$$

$$\begin{aligned}34545 &= 3\times(4\times 5!\times 4!-5)\\ &= (-5+4\times 5!\times 4!)\times 3\\ &= 3\times(4!\times 4\times 5!-5)\\ &= (-5+5!\times 4\times 4!)\times 3.\end{aligned}$$

$$\begin{aligned}34548 &= 3!\times(-\sqrt{4}+5!\times 48)\\ &= (8!/(\sqrt{4}+5)-\sqrt{4})\times 3!\\ &= 3!\times(-\sqrt{4}+(\sqrt{4+5})!!\times 8)\\ &= (8\times(\sqrt{5+4})!!-\sqrt{4})\times 3!.\end{aligned}$$

$$\begin{aligned}34554 &= (-3+(4!+5!)\times 5!)\times\sqrt{4}\\ &= \sqrt{4}\times(5!\times(5!+4!)-3)\\ &= -3!+\sqrt{4}\times(4!+5!)\times 5!\\ &= 5!\times(5!+4!)\times\sqrt{4}-3!.\end{aligned}$$

$$\begin{aligned}34555 &= 3!!\times(4!+5!/5)-5\\ &= -5+(5!/5+4!)\times 3!!.\end{aligned}$$

$$\begin{aligned}34557 &= -3+4!\times 5!\times(5+7)\\ &= (7+5)\times 5!\times 4!-3.\end{aligned}$$

$$\begin{aligned}34572 &= 3!\times((\sqrt{4+5})!!+7!+2)\\ &= (2+7!+(\sqrt{5+4})!!)\times 3!\\ &= 2\times 3!!\times 4!+5+7\\ &= 7+5+4!\times 3!!\times 2.\end{aligned}$$

$$\begin{aligned}34574 &= (3!\times 4!\times 5!+7)\times\sqrt{4}\\ &= \sqrt{4}\times(7+5!\times 4!\times 3!)\\ &= -3!!+(\sqrt{4}+(\sqrt{4}+5)!)\times 7\\ &= 7\times((5+\sqrt{4})!+\sqrt{4})-3!!.\end{aligned}$$

$$\begin{aligned}34584 &= 3!^{\sqrt{4}}\times 5!\times 8+4!\\ &= (48\times 5!+4)\times 3!\\ &= 3\times(4!\times 4\times 5!+8)\\ &= (8+5!\times 4\times 4!)\times 3.\end{aligned}$$

$$\begin{aligned}34596 &= (3+4!\times 5!)\times((\sqrt{9})!+6)\\ &= (6+(\sqrt{9})!)\times(5!\times 4!+3)\\ &= (3+4!\times 5!)\times(6+(\sqrt{9})!)\\ &= ((\sqrt{9})!+6)\times(5!\times 4!+3).\end{aligned}$$

$$\begin{aligned}34608 &= 3\times\sqrt{4}\times(6!+0!)\times 8\\ &= 8\times(0!+6!)\times\sqrt{4}\times 3\\ &= (0!+3!!)\times 4!\times(-6+8)\\ &= (8-6)\times 4!\times(3!!+0!).\end{aligned}$$

$$\begin{aligned}34614 &= (3+4!\times(6!+1))\times\sqrt{4}\\ &= \sqrt{4}\times((1+6!)\times 4!+3)\\ &= (1+3!!)\times(4!+4!)+6\\ &= 6+(4!+4!)\times(3!!+1).\end{aligned}$$

$$\begin{aligned}34644 &= (-3!+4!\times(6!+\sqrt{4}))\times\sqrt{4}\\ &= \sqrt{4}\times(4!\times(6!+\sqrt{4})-3!)\\ &= -3!+(4!/\sqrt{4})!/\sqrt{4!^6}\\ &= -6+(4!/\sqrt{4})!/4!^3.\end{aligned}$$

$$\begin{aligned}34668 &= (8\times 6!-6+4!)\times 3!\\ &= 3!\times(4!-6+6!\times 8).\end{aligned}$$

$$\begin{aligned}34688 &= (3!\times(4+6!)-8)\times 8\\ &= 8\times(-8+(6!+4)\times 3!).\end{aligned}$$

$$\begin{aligned}34692 &= (-3!+4!\times(6!+\sqrt{9}))\times 2\\ &= 2\times((\sqrt{9}+6!)\times 4!-3!)\\ &= 2\times(-3!+4!\times(6!+\sqrt{9}))\\ &= ((\sqrt{9}+6!)\times 4!-3!)\times 2.\end{aligned}$$

$$\begin{aligned}34773 &= (-3\times 4!+7!)\times 7-3\\ &= -3+7\times(7!-4!\times 3)\\ &= -3+(-3\times 4!+7!)\times 7\\ &= 7\times(7!-4!\times 3)-3.\end{aligned}$$

$$\begin{aligned}34777 &= -3!!+(4!+7+7!)\times 7\\ &= 7\times(7!+7+4!)-3!!\end{aligned}$$

$$\begin{aligned}34779 &= (-3\times 4!+7!)\times 7+\sqrt{9}\\ &= \sqrt{9}+7\times(7!-4!\times 3).\end{aligned}$$

$$\begin{aligned}34836 &= 3!\times(-\sqrt{4}+8\times(3!+6!))\\ &= ((6+3!!)\times 8-\sqrt{4})\times 3!\\ &= (3+4+6!)\times 8\times(\sqrt{9})!\\ &= (\sqrt{9})!\times 8\times(6!+4+3).\end{aligned}$$

$$\begin{aligned}34986 &= 3!^{\sqrt{49}}/8-6\\ &= (\sqrt{6^8}\times 9-\sqrt{4})\times 3\\ &= (3+4!)\times\sqrt{6^8}-(\sqrt{9})!\\ &= 98\times(6!/\sqrt{4}-3).\end{aligned}$$

$$\begin{aligned}34989 &= 3!^{\sqrt{49}}/8-\sqrt{9}\\ &= \sqrt{(\sqrt{9})!^8}\times(\sqrt{9}+4!)-3\\ &= -3+48\times 9^{\sqrt{9}}\\ &= -\sqrt{9}+\sqrt{(\sqrt{9})!^8}\times(4!+3).\end{aligned}$$

$$\begin{aligned}34991 &= 3!^4\times 9\times\sqrt{9}-1\\ &= -1+(9+9)^4/3\\ &= -1+3!^4\times 9\times\sqrt{9}\\ &= (9+9)^4/3-1.\end{aligned}$$

$$\begin{aligned}34992 &= 3\times(4\times 9\times\sqrt{9})^2\\ &= 2\times(9+9)^4/3!\\ &= (2\times 3)^4\times 9\times\sqrt{9}\\ &= 9\times 9\times 432.\end{aligned}$$

$$34994 = 3!^4 \times 9 \times \sqrt{9} + \sqrt{4}$$
$$= \sqrt{4} + (9+9)^4/3$$
$$= ((3!-4!)^4 + (\sqrt{9})!)/\sqrt{9}$$
$$= ((\sqrt{9})! + (9 \times \sqrt{4})^4)/3.$$

$$34998 = 3 \times (\sqrt{4} + 9 \times \sqrt{(\sqrt{9})!^8})$$
$$= (8 + ((\sqrt{9})!^{(\sqrt{9})!}))/4 \times 3$$
$$= 3! + 48 \times 9^{\sqrt{9}}$$
$$= (\sqrt{9})! + \sqrt{(\sqrt{9})!^8} \times (4! + 3).$$

$$35077 = (-3! \times 5 + 0! + 7!) \times 7$$
$$= 7 \times (7! + 0! - 5 \times 3!)$$
$$= (-(0! + 3)! - 5 + 7!) \times 7$$
$$= 7 \times (7! - 5 - (3 + 0!)!).$$

$$35268 = 3! \times (5! - 2 + 6! \times 8)$$
$$= (8 \times 6! - 2 + 5!) \times 3!$$
$$= (-2 - 3!! - 5!) \times 6 + 8!$$
$$= 8! - (5 + \sqrt{4})! - 32.$$

$$35274 = (3+5)! - 2 - 7! - 4$$
$$= -4 - 7! - 2 + (5+3)!$$
$$= (2^3)! - (\sqrt{4+5})! - 7!$$
$$= -7! - (\sqrt{5+4})! + (3! + 2)!.$$

$$35275 = (-3 + 5 \times 2) \times 7! - 5$$
$$= -5 + 7 \times (2 \times 5 - 3)!$$
$$= (2 + 3!!/5!)! - 5 - 7!$$
$$= -7! - 5 + (5 + 3!/2)!.$$

$$35276 = (3+5)! + 2 - 7! - 6$$
$$= -6 - 7! + 2 + (5+3)!$$
$$= 2 + (3+5)! - 6 - 7!$$
$$= -7! - 6 + (5+3)! + 2.$$

$$35277 = 3! + 5 + (-2 + 7!) \times 7$$
$$= 7 \times (7! - 2) + 5 + 3!$$
$$= -2^3 + 5 + 7 \times 7!$$
$$= 7 \times (7! - 5) + 32.$$

$$35278 = 3! + (5+2) \times 7! - 8$$
$$= 8! - 7! - \sqrt{25} + 3$$
$$= -2 + 3!! \times (57 - 8)$$
$$= -8! + 7! \times 5 \times 3 - 2.$$

$$35279 = (3+5)! + 2 - 7! - \sqrt{9}$$
$$= (\sqrt{9})!! \times 7^2 + 5 - 3!$$
$$= 2 + (3+5)! - 7! - \sqrt{9}$$
$$= -\sqrt{9} - 7! + (5+3)! + 2.$$

$$35280 = -(\sqrt{-3+52})! + 8! + 0$$
$$= 0 + 8! - (2 \times 5 - 3)!$$
$$= -(0! - 2 + 3 + 5)! + 8!$$
$$= 8! - (5 + 3 - 2 + 0!)!.$$

$$35281 = -(\sqrt{-3+52})! + 8! + 1$$
$$= 1 + 8! - (2 \times 5 - 3)!$$
$$= 1 - (2 \times 3! - 5)! + 8!$$
$$= 8! - (-5 + 3! \times 2)! + 1.$$

$$35282 = -(\sqrt{-3+52})! + 8! + 2$$
$$= 2 + 8! - (2 \times 5 - 3)!$$
$$= 2 - (2 \times 3! - 5)! + 8!$$
$$= 8! - (-5 + 3! \times 2)! + 2.$$

$$35284 = -(\sqrt{-3+52})! + 8! + 4$$
$$= 4 + 8! - (2 \times 5 - 3)!$$
$$= -2 + 3! - (\sqrt{4} + 5)! + 8!$$
$$= 8! - (5 + \sqrt{4})! + 3! - 2.$$

$$35477 = -3! + (5 + 4! + 7!) \times 7$$
$$= 7 \times (7! + 4! + 5) - 3!$$
$$= -3! + (4! + 5 + 7!) \times 7$$
$$= 7 \times (7! + 5 + 4!) - 3!.$$

$$35488 = (-3!! + 5! - 4) \times 8 + 8!$$
$$= 8! + 8 \times (-4 + 5! - 3!!)$$
$$= (-3!! - 4 + 5!) \times 8 + 8!$$
$$= 8! + 8 \times (5! - 4 - 3!!).$$

$$35707 = (\sqrt{3!! \times 5} + 7! + 0!) \times 7$$
$$= 7 \times (0! + 7! + \sqrt{5 \times 3!!})$$
$$= (0! + \sqrt{3!! \times 5} + 7!) \times 7$$
$$= 7 \times (7! + \sqrt{5 \times 3!!} + 0!).$$

$$35777 = (\sqrt{3! - 5 + 7!} + 7!) \times 7$$
$$= 7 \times (7! + \sqrt{7! - 5 + 3!}).$$

$$35875 = 3!! - 5! + 8! - 7! - 5$$
$$= -5 - 7! + 8! - 5! + 3!!$$
$$= -35 \times (5! + 7) + 8!$$
$$= 8! - 7! - 5 - 5! + 3!!.$$

$$35994 = -3! + 5 \times (\sqrt{9})!! \times ((\sqrt{9})! + 4)$$
$$= (4 + (\sqrt{9})!) \times (\sqrt{9})!! \times 5 - 3!$$
$$= (3! + 4) \times 5 \times (\sqrt{9})!! - (\sqrt{9})!$$
$$= ((\sqrt{9})!! + (\sqrt{9})!!) \times \sqrt{5^4} - 3!.$$

$$35995 = 3!! \times (59 - 9) - 5$$
$$= -5 + (\sqrt{9})!! \times (-\sqrt{9} + 53)$$
$$= (3+5)! - 5 - (\sqrt{9})! \times (\sqrt{9})!!$$
$$= -(\sqrt{9})!! \times (\sqrt{9})! - 5 + (5+3)!.$$

$$35997 = -3 + 5 \times (\sqrt{9})!! \times (\sqrt{9} + 7)$$
$$= (7 + \sqrt{9}) \times (\sqrt{9})!! \times 5 - 3$$
$$= (3+5)! - 7! - \sqrt{9} + (\sqrt{9})!!$$
$$= (\sqrt{9})!! - \sqrt{9} - 7! + (5+3)!.$$

$$35998 = 3 - 5 - (\sqrt{9})! \times (\sqrt{9})!! + 8!$$
$$= 8! - (\sqrt{9})! \times (\sqrt{9})!! - 5 + 3$$
$$= 3 - 5 + 8! - (\sqrt{9})! \times (\sqrt{9})!!$$
$$= -(\sqrt{9})!! \times (\sqrt{9})! + 8! - 5 + 3.$$

$$36288 = (3+6)!/(2 + \sqrt{8 \times 8})$$
$$= 8! - 8^2 \times 63$$
$$= -2 \times (3!! + \sqrt{6^8}) + 8!$$
$$= 8! - 8!/(6 + 3! - 2).$$

$$36477 = (3 + (4! + 6!) \times 7) \times 7$$
$$= 7 \times (7 \times (6! + 4!) + 3)$$
$$= (3 + (6! + 4!) \times 7) \times 7$$
$$= 7 \times (7 \times (4! + 6!) + 3).$$

$$36678 = 3!! - 6 \times (6! + 7) + 8!$$
$$= 8! - (7 + 6!) \times 6 + 3!!.$$

$$36748 = -3!! - (6! - 7) \times 4 + 8!$$
$$= 8! - 4 \times (-7 + 6!) - 3!!$$
$$= -3!! - 4 \times (6! - 7) + 8!$$
$$= 8! + (7 - 6!) \times 4 - 3!!.$$

$$36758 = 3 - (6! - 7) \times 5 + 8!$$
$$= 8! - 5 \times (-7 + 6!) + 3$$
$$= 3 - 5 \times (6! - 7) + 8!$$
$$= 8! + (7 - 6!) \times 5 + 3.$$

$$\begin{aligned}36864 &= 36\times\sqrt{8^6\times 4}\\ &= (4\times 6\times 8)^{6/3}\\ &= 3!\times(4!\times 6-6!)+8!\\ &= 8!-(6+6)^4/3!.\end{aligned}$$

$$\begin{aligned}37434 &= -3!+7!\times 4+3!!\times 4!\\ &= 4!\times 3!!+4\times 7!-3!\\ &= -3!+3!!\times(4!+4\times 7)\\ &= (7\times 4+4!)\times 3!!-3!.\end{aligned}$$

$$\begin{aligned}37438 &= -\sqrt{-3+7}-4\times 3!!+8!\\ &= 8!-3!!\times 4-\sqrt{7-3}\\ &= 3\times 3!!-\sqrt{4}-7!+8!\\ &= 8!-7!-\sqrt{4}+3\times 3!!.\end{aligned}$$

$$\begin{aligned}37444 &= 3!!\times(7\times 4+4!)+4\\ &= 4+(4!+4\times 7)\times 3!!\\ &= 3!!\times 4!+4+4\times 7!\\ &= 7!\times 4+4+4!\times 3!!.\end{aligned}$$

$$\begin{aligned}37446 &= 3!!\times(7\times 4+4!)+6\\ &= 6+(4!+4\times 7)\times 3!!\\ &= (3!!/4)^{\sqrt{4}}+6+7!\\ &= 7!+(6!/4)^{\sqrt{4}}+3!.\end{aligned}$$

$$\begin{aligned}37464 &= ((3+7!)\times\sqrt{4}-6!)\times 4\\ &= 4!+6!\times 4\times(7+3!)\\ &= 3!!\times 4!+4\times(6+7!)\\ &= (7!+6)\times 4+4!\times 3!!.\end{aligned}$$

$$\begin{aligned}37468 &= (3!!-7)\times(\sqrt{4}-6)+8!\\ &= 8!+(6-\sqrt{4})\times(7-3!!)\\ &= (-3!+\sqrt{4})\times(6!-7)+8!\\ &= 8!+(7-6!)\times 4!/3!.\end{aligned}$$

$$\begin{aligned}37789 &= (3!!-7)\times(7\times 8-\sqrt{9})\\ &= (\sqrt{9}-8\times 7)\times(7-3!!)\\ &= (3!!-7)\times(7\times 8-\sqrt{9})\\ &= (-\sqrt{9}+8\times 7)\times(-7+3!!).\end{aligned}$$

$$\begin{aligned}37805 &= -3+7!+8^{05}\\ &= 5\times(0!+(8!+7!)/3!)\\ &= 0\times 3+5^7-8!\\ &= -8\times 7!+5^{3!+0!}.\end{aligned}$$

$$\begin{aligned}37895 &= (3!!-5)\times(7\times 8-\sqrt{9})\\ &= (-\sqrt{9}+8\times 7)\times(-5+3!!)\\ &= (-3+7\times 8)\times((\sqrt{9})!!-5)\\ &= (-5+(\sqrt{9})!!)\times(8\times 7-3).\end{aligned}$$

$$\begin{aligned}38397 &= -3-8!/3+9!/7\\ &= (7!-(\sqrt{9})!!/3)\times 8-3\\ &= (-3!!/3+7!)\times 8-\sqrt{9}\\ &= -\sqrt{9}+8\times(7!-3!!/3).\end{aligned}$$

$$\begin{aligned}38664 &= (3!+8\times 6)\times(6!-4)\\ &= (-4+6!)\times(6\times 8+3!)\\ &= -3!\times 46\times 6+8!\\ &= (8\times 6+6)\times(-4+3!!).\end{aligned}$$

$$\begin{aligned}38736 &= -(3+8)!/7!+3!^6\\ &= 6!+3!^7-8!\times 3!\\ &= (-33\times 6+7!)\times 8\\ &= 8\times(7!-6\times 33).\end{aligned}$$

$$\begin{aligned}38753 &= -3!!+8!-7-5!-3!!\\ &= -3!!-5!-7+8!-3!!\\ &= -3!!-3!!-5!-7+8!\\ &= 8!-7-5!-3!!-3!!.\end{aligned}$$

$$\begin{aligned}38755 &= -3!!+8!-7\times 5!-5\\ &= -5-5!\times 7+8!-3!!\\ &= -3!!-5-5!\times 7+8!\\ &= 8!-7\times 5!-5-3!!.\end{aligned}$$

$$\begin{aligned}38799 &= -3^8+7!+9!/9\\ &= -9+9\times(7!-8-3!!)\\ &= (-3!!+7!-8)\times 9-9\\ &= -9+9\times(-8+7!-3!!).\end{aligned}$$

$$\begin{aligned}38832 &= -2\times 3!!+8!-8\times 3!\\ &= -3!\times 8+8!-3!!\times 2\\ &= -2\times(3!!+3\times 8)+8!\\ &= 8!-(8\times 3+3!!)\times 2.\end{aligned}$$

$$\begin{aligned}38864 &= -3!!+8!+8-6!-4!\\ &= -4!-6!+8+8!-3!!\\ &= -3!!-4!-6!+8+8!\\ &= 8!+(8+6!)\times(4-3!).\end{aligned}$$

$$\begin{aligned}38866 &= -3!!+8!-8-6!-6\\ &= -6!-6!-8+8!-3!\\ &= -3!!-6!-6-8+8!\\ &= 8!-8-6-6!-3!!.\end{aligned}$$

$$\begin{aligned}38869 &= -3!!+8!-8-6!-\sqrt{9}\\ &= -(\sqrt{9})!!-6!-8+8!-3\\ &= -3!!-6!-8+8!-\sqrt{9}\\ &= -(\sqrt{9})!!+8!-8-6!-3.\end{aligned}$$

$$\begin{aligned}38872 &= -3!!-8+8!-(\sqrt{7+2})!!\\ &= -(\sqrt{2+7})!!-8+8!-3!!\\ &= -2\times 3!!+7!\times 8-8\\ &= -8+8\times 7!-3!!\times 2.\end{aligned}$$

$$\begin{aligned}38873 &= -3!!+(\sqrt{8\times 8})!-7-3!!\\ &= -3!!-7+(\sqrt{8\times 8})!-3!!\\ &= -3!!-3!!-7+(\sqrt{8\times 8})!\\ &= (\sqrt{8\times 8})!-7-3!!-3!!.\end{aligned}$$

$$\begin{aligned}38879 &= -3!!-8+8!+7-(\sqrt{9})!!\\ &= -(\sqrt{9})!!+7-8+8!-3!!\\ &= -3!!+7-8+8!-(\sqrt{9})!!\\ &= -(\sqrt{9})!!+8!-8+7-3!!.\end{aligned}$$

$$\begin{aligned}38880 &= -3!!\times\sqrt{\sqrt{8+8}}+8!\times 0!\\ &= 08!-\sqrt{\sqrt{8+8}}\times 3!!\\ &= -03!!\times\sqrt{\sqrt{8+8}}+8!\\ &= 8!-\sqrt{\sqrt{8+8}}\times 3!!\times 0!.\end{aligned}$$

$$\begin{aligned}38881 &= -3!!\times\sqrt{\sqrt{8+8}}+8!+1\\ &= 1+8!-\sqrt{\sqrt{8+8}}\times 3!!\\ &= 1-3!!\times\sqrt{\sqrt{8+8}}+8!\\ &= 8!-\sqrt{\sqrt{8+8}}\times 3!!+1.\end{aligned}$$

$$\begin{aligned}38882 &= -3!!\times\sqrt{\sqrt{8+8}}+8!+2\\ &= 2+8!-\sqrt{\sqrt{8+8}}\times 3!!\\ &= -2\times(3!!-8/8)+8!\\ &= 8!-(-8/8+3!!)\times 2.\end{aligned}$$

$$38883 = -3!! \times \sqrt{\sqrt{8+8}} + 8! + 3$$
$$= 3 + 8! - \sqrt{\sqrt{8+8}} \times 3!!$$
$$= 3 - 3!! \times \sqrt{\sqrt{8+8}} + 8!$$
$$= 8! - \sqrt{\sqrt{8+8}} \times 3!! + 3.$$

$$38884 = -3!! \times \sqrt{\sqrt{8+8}} + 8! + 4$$
$$= 4 + 8! - \sqrt{\sqrt{8+8}} \times 3!!$$
$$= -3!! \times \sqrt{4} + \sqrt{8+8} + 8!$$
$$= \sqrt{8+8} + 8! - \sqrt{4} \times 3!!.$$

$$38886 = -3!! \times \sqrt{\sqrt{8+8}} + 8! + 6$$
$$= 6 + 8! - \sqrt{\sqrt{8+8}} \times 3!!$$
$$= (3 - 6!) \times \sqrt{\sqrt{8+8}} + 8!$$
$$= 8! - \sqrt{\sqrt{8+8}} \times (6! - 3).$$

$$38888 = -3!! \times \sqrt{\sqrt{8+8}} + 8! + 8$$
$$= 8 + 8! - \sqrt{\sqrt{8+8}} \times 3!!.$$

$$38889 = (-3!! + (8 + 8!)/8) \times 9$$
$$= 9 \times ((8 + 8!)/8 - 3!!).$$

$$38894 = 3! + 8 + 8! - (\sqrt{9})!! \times \sqrt{4}$$
$$= -\sqrt{4} \times (\sqrt{9})!! + 8 + 8! + 3!$$
$$= -3!! \times \sqrt{4} + 8 + 8! + (\sqrt{9})!$$
$$= (\sqrt{9})! + 8 + 8! - \sqrt{4} \times 3!!.$$

$$38904 = -3!! + 8! - (\sqrt{9})!! - 0 + 4!$$
$$= 4! + 0 - (\sqrt{9})!! + 8! - 3!!$$
$$= -03!! + 4! + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! + 4! - 3!! \times 0!.$$

$$38928 = 3! \times (8 + 9 \times (-2 + 8)!)$$
$$= 8! - 29 \times 8 \times 3!$$
$$= -2 \times 3!! + 8! + 8 \times (\sqrt{9})!$$
$$= (\sqrt{9})! \times 8 + 8! - 3!! \times 2.$$

$$38944 = -3!! + 8! - (\sqrt{9})!! + \sqrt{\sqrt{\sqrt{4^{4!}}}}$$
$$= \sqrt{\sqrt{\sqrt{4^{4!}}}} - (\sqrt{9})!! + 8! - 3!!$$
$$= (3! + 3! \times (4!/8)!!) \times 9$$
$$= (\sqrt{9^8} - 4! \times 3) \times 3!.$$

$$38979 = (3 + 8 - (\sqrt{9})!! + 7!) \times 9$$
$$= 9 \times (7! - ((\sqrt{9})!! - 8 - 3))$$
$$= (3 + 7! + 8 - (\sqrt{9})!!) \times 9$$
$$= 9 \times (-(\sqrt{9})!! + 8 + 7! + 3).$$

$$39096 = (3!! + \sqrt{9} + 0!) \times 9 \times 6$$
$$= (6! + \sqrt{9} + 0!) \times 9 \times 3!$$
$$= (0! + (3 + 6!)) \times 9 \times (\sqrt{9})!$$
$$= (\sqrt{9})! \times 9 \times (6! + 3 + 0!).$$

$$39339 = (3! \times 9^3 - 3) \times 9$$
$$= -9 \times (3 - 3! \times 9^3)$$
$$= (-3 + 3! \times (3!! + 9)) \times 9$$
$$= 9 \times (9^3 \times 3! - 3).$$

$$39348 = -(3 + 9) \times 3^4 + 8!$$
$$= 8! - 4 \times \sqrt{3^9 \times 3}$$
$$= (-3 + \sqrt{\sqrt{3^{4\times 8}}}) \times (\sqrt{9})!$$
$$= (9^{8-4} - 3) \times 3!.$$

$$39363 = 3^6 \times 3! \times 9 - 3$$
$$= 3^9/3 \times 6 - 3$$
$$= -3 + 3! \times 3^6 \times 9$$
$$= 9 \times 6 \times 3^{3!} - 3.$$

$$39366 = 3^9 \times (3 - 6/6)$$
$$= 6 \times (6 - 3)^9/3$$
$$= 3! \times (3 - 6)^6 \times 9$$
$$= 9 \times 6 \times (6 - 3)^{3!}.$$

$$39369 = 3 + 9^3 \times 6 \times 9$$
$$= (9 + 6 \times 3^9)/3$$
$$= 3 + 3! \times (6! + 9) \times 9$$
$$= 9 \times (9 + 6!) \times 3! + 3.$$

$$39382 = ((3 \times 9)^3 + 8) \times 2$$
$$= 2 \times (8 + (3 \times 9)^3)$$
$$= -2 + (3 + 3^8) \times (\sqrt{9})!$$
$$= (\sqrt{9^8} + 3) \times 3! - 2.$$

$$39384 = 3 \times (\sqrt{9} + 3^8) \times \sqrt{4}$$
$$= 4! + 8! - 3!! - (\sqrt{9})!!/3$$
$$= -3 \times 3 \times 4! + 8! - (\sqrt{9})!!$$
$$= (9^{8-4} + 3) \times 3!.$$

$$39438 = 3! \times (\sqrt{9} \times 4 + 3^8)$$
$$= 8! - 3! \times 49 \times 3$$
$$= -3! \times (3 + 4!) + 8! - (\sqrt{9})!!$$
$$= (\sqrt{9^8} + 4 \times 3) \times 3!.$$

$$39456 = (3!! \times 9 - 4! + 5!) \times 6$$
$$= 6 \times (5! - 4! + 9 \times 3!!)$$
$$= 3! \times (-4! + 5! + 6! \times 9)$$
$$= (9 \times 6! + 5! - 4!) \times 3!.$$

$$39478 = 3! - (\sqrt{9})!! - \sqrt{4^7} + 8!$$
$$= 8! - (7! + 4 \times \sqrt{9})/3!$$
$$= 3! - \sqrt{4^7} + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})! + 8! - (7! - 4!)/3!.$$

$$39480 = -3!! - (9 - 4)! + 8! + 0$$
$$= 0 + 8! - (\sqrt{49})!/3!$$
$$= -((0 \times 3)! + 4)! + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! - 4 \times 30.$$

$$39481 = -3!! - (9 - 4)! + 8! + 1$$
$$= 1 + 8! - (\sqrt{49})!/3!$$
$$= 1 - (3 + \sqrt{4})! + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! - (\sqrt{4} + 3)! + 1.$$

$$39482 = -3!! - (9 - 4)! + 8! + 2$$
$$= 2 + 8! - (\sqrt{49})!/3!$$
$$= -(2 + 3)! + \sqrt{4} + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! + \sqrt{4} - (3 + 2)!.$$

$$39483 = -3!! - (9 - 4)! + 8! + 3$$
$$= 3 + 8! - (\sqrt{49})!/3!$$
$$= 3 - (3 + \sqrt{4})! + 8! - (\sqrt{9})!!$$
$$= \sqrt{9} + 8! - (4 + 3)!/3!.$$

$$39484 = -3!! - (9 - 4)! + 8! + 4$$
$$= 4 + 8! - (\sqrt{49})!/3!$$
$$= -(3 + \sqrt{4})! + 4 + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! + 4 - (\sqrt{4} + 3)!.$$

$$\begin{aligned}39485 &= -3!! - (9-4)! + 8! + 5\\ &= 5 + 8! - (\sqrt{49})!/3!\\ &= -3!! - 4 - 5! + 8! + 9\\ &= 9 + 8! - 5! - 4 - 3!!.\end{aligned}$$

$$\begin{aligned}39486 &= -3!! - (9-4)! + 8! + 6\\ &= 6 + 8! - (\sqrt{49})!/3!\\ &= -(3+4)!/6 + 8! + (\sqrt{9})!\\ &= \sqrt{9^8} \times 6 + (\sqrt{4}+3)!.\end{aligned}$$

$$\begin{aligned}39487 &= -3!! - (9-4)! + 8! + 7\\ &= 7 + 8! - (\sqrt{49})!/3!\\ &= -(3+\sqrt{4})! + 7 + 8! - (\sqrt{9})!!\\ &= -(\sqrt{9})!! + 8! + 7 - (\sqrt{4}+3)!.\end{aligned}$$

$$\begin{aligned}39488 &= -3!! - (9-4)! + 8! + 8\\ &= 8 + 8! - (\sqrt{49})!/3!\\ &= (3 \times 4^8 + 8!)/(\sqrt{9})!\\ &= -(\sqrt{9})!! + 8 + 8! - (\sqrt{4}+3)!.\end{aligned}$$

$$\begin{aligned}39489 &= -3!! - (9-4)! + 8! + 9\\ &= 9 + 8! - (\sqrt{49})!/3!\\ &= -(3+\sqrt{4})! + 8! + 9 - (\sqrt{9})!!\\ &= -(\sqrt{9})!! + 9 + 8! - (\sqrt{4}+3)!.\end{aligned}$$

$$\begin{aligned}39555 &= (3!! - \sqrt{9}) \times 55 + 5!\\ &= 5! + 55 \times ((\sqrt{9})!! - 3)\\ &= 3!! \times 55 - 5 \times 9\\ &= -9 \times 5 + 55 \times 3!!.\end{aligned}$$

$$\begin{aligned}39564 &= -3!! + (\sqrt{9}+5)! - \sqrt{6^4}\\ &= (\sqrt{4}+6)! - (5! + (\sqrt{9})!) \times 3!\\ &= (3! + \sqrt{4})! - (5! + 6) \times (\sqrt{9})!\\ &= -(\sqrt{9})! \times (6 + 5!) + (\sqrt{4^3})!.\end{aligned}$$

$$\begin{aligned}39578 &= -3!! - \sqrt{9} \times 5 - 7 + 8!\\ &= 8! - 7 - 5 \times \sqrt{9} - 3!!\\ &= -3 \times 5 - 7 + 8! - (\sqrt{9})!!\\ &= -(\sqrt{9})!! + 8! - 7 - 5 \times 3.\end{aligned}$$

$$\begin{aligned}39579 &= -3!! + (\sqrt{9}+5)! - 7 \times \sqrt{9}\\ &= -\sqrt{9} \times 7 + (5 + \sqrt{9})! - 3!!\\ &= (3+5)! - 7 \times \sqrt{9} - (\sqrt{9})!!\\ &= -(\sqrt{9})!! - \sqrt{9} \times 7 + (5+3)!.\end{aligned}$$

$$\begin{aligned}39581 &= -1 + 8! - (5! + \sqrt{9}) \times 3!\\ &= -3! \times (\sqrt{9}+5!) + 8! - 1\\ &= -(1+3)! + 5 + 8! - (\sqrt{9})!!\\ &= -(\sqrt{9})!! + 8! + 5 - (3+1)!.\end{aligned}$$

$$\begin{aligned}39582 &= -3! \times (\sqrt{9}+5!) + (\sqrt{8^2})!\\ &= 2 + 8! - 5!/(\sqrt{9})! - 3!!\\ &= -23 + 5 + 8! - (\sqrt{9})!!\\ &= -(\sqrt{9})!! + 8! - 5!/3! + 2.\end{aligned}$$

$$\begin{aligned}39583 &= -3^{(\sqrt{9})!} - 5 + 8! - 3\\ &= -3 + 8! - 5 - 9^3\\ &= -3!! + (3+5)! - 8 - 9\\ &= -9 - 8 + (5+3)! - 3!!.\end{aligned}$$

$$\begin{aligned}39584 &= 3 - (\sqrt{9})!! + (5 + 8!) - 4!\\ &= -\sqrt{4} + 8! - 5 - 9^3\\ &= -3!!/45 + 8! - (\sqrt{9})!!\\ &= 9 + 8! - \sqrt{5^4} - 3!!.\end{aligned}$$

$$\begin{aligned}39586 &= -3 \times \sqrt{9} - 5 + 8! - 6!\\ &= -6! + 8! - 5 - \sqrt{9} \times 3\\ &= (3+5)! - 6 - 8 - (\sqrt{9})!!\\ &= -(\sqrt{9})!! - 8 - 6 + (5+3)!.\end{aligned}$$

$$\begin{aligned}39587 &= -3! - (\sqrt{9})! \times 5! + 8! - 7\\ &= -7 + 8! - 5! \times (\sqrt{9})! - 3!\\ &= -3! \times 5! - 7 + 8! - (\sqrt{9})!\\ &= -(\sqrt{9})!! + 8! + 7 - 5!/3!.\end{aligned}$$

$$\begin{aligned}39588 &= -3 - 9^{-5+8} + 8!\\ &= 8! - 8 + 5 - 9^3\\ &= -3!! + (5 - 8 + 8! - 9)\\ &= -9 - 8 + 8! + 5 - 3!!.\end{aligned}$$

$$\begin{aligned}39589 &= 3 - (\sqrt{9})!! - 5 + 8! - 9\\ &= \sqrt{9} + 8! - 5 - 9^3\\ &= 3 - 5 + 8! - 9 - (\sqrt{9})!!\\ &= -(\sqrt{9})!! - 9 + 8! - 5 + 3.\end{aligned}$$

$$\begin{aligned}39591 &= -3 \times \sqrt{9^5} + (9-1)!\\ &= 1 \times (\sqrt{9}+5)! - 9^3\\ &= (13-5)! - 9 - (\sqrt{9})!!\\ &= -(\sqrt{9})!! - 9 + (5+3)! \times 1.\end{aligned}$$

$$\begin{aligned}39592 &= -3! + (\sqrt{9}+5)! - (\sqrt{9})!! - 2\\ &= (2^{\sqrt{9}})! - 5 - (\sqrt{9})!! - 3\\ &= -2 + (3+5)! - (\sqrt{9})! - (\sqrt{9})!!\\ &= -(\sqrt{9})!! - (\sqrt{9})! + (5+3)! - 2.\end{aligned}$$

$$\begin{aligned}39594 &= (3^9 + 5! - (\sqrt{9})!) \times \sqrt{4}\\ &= (4 + 9 - 5)! - (\sqrt{9})!! - 3!\\ &= 3!! \times (-4 + 59) - (\sqrt{9})!\\ &= -(\sqrt{9})!! + (9 - 5 + 4)! - 3!.\end{aligned}$$

$$\begin{aligned}39595 &= -(-3+9)! + (5 + \sqrt{9})! - 5\\ &= (5 + \sqrt{9})! - 5 - (9-3)!\\ &= -3! \times 5! - 5 + 9!/9\\ &= 9!/9 - 5 - 5! \times 3!.\end{aligned}$$

$$\begin{aligned}39597 &= -3 - (\sqrt{9})!! + (5 + \sqrt{9}) \times 7!\\ &= 7! \times (\sqrt{9}+5) - (\sqrt{9})!! - 3\\ &= (3 \times 5 - 7)! - \sqrt{9} - (\sqrt{9})!!\\ &= -(\sqrt{9})!! - \sqrt{9} + ((7-5)^3)!.\end{aligned}$$

$$\begin{aligned}39598 &= -(-3+9)! - 5 + \sqrt{9} + 8!\\ &= 8! + \sqrt{9} - 5 - (9-3)!\\ &= 3 - 5 + 8! - (\sqrt{\sqrt{9 \times 9}})!!\\ &= -(\sqrt{\sqrt{9 \times 9}})!! + 8! - 5 + 3.\end{aligned}$$

$$\begin{aligned}39599 &= -3!! + (\sqrt{9}+5)! - 9/9\\ &= 9!/9 + 5 - (\sqrt{9})!! - 3!\\ &= -3! \times 5! + (-9 + 9!)/9\\ &= (9! - 9)/9 - 5! \times 3!.\end{aligned}$$

$$\begin{aligned}39600 &= 3!! \times (9 \times 6 + 0!) + 0\\ &= 0 + (0! + 6 \times 9) \times 3!!\\ &= (0! + 0! + 3!)! - (-6 + 9)!!\\ &= -(9-6)!! + (3! + 0! + 0!)!.\end{aligned}$$

$$\begin{aligned}39601 &= 3!! \times (9 \times 6 + 0!) + 1\\ &= 1 + (0! + 6 \times 9) \times 3!!\\ &= 0! + (\sqrt{(-1+3)^6})! - (\sqrt{9})!!\\ &= -(\sqrt{9})!! + (\sqrt{63+1})! + 0!.\end{aligned}$$

$$39602 = 3!! \times (9 \times 6 + 0!) + 2$$
$$= 2 + (0! + 6 \times 9) \times 3!!$$
$$= -0! + (2^3)! - 6! + \sqrt{9}$$
$$= \sqrt{9} - 6! + (3! + 2)! - 0!.$$

$$39603 = 3!! \times (9 \times 6 + 0!) + 3$$
$$= 3 + (0! + 6 \times 9) \times 3!!$$
$$= (-0! + 3 \times 3)! - 6! + \sqrt{9}$$
$$= \sqrt{9} - 6! + (3 \times 3 - 0!)!.$$

$$39604 = 3!! \times (9 \times 6 + 0!) + 4$$
$$= 4 + (0! + 6 \times 9) \times 3!!$$
$$= 0! + 3 + (\sqrt{\sqrt{4^6}})! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + (\sqrt{64})! + 3 + 0!.$$

$$39605 = 3!! \times (9 \times 6 + 0!) + 5$$
$$= 5 + (0! + 6 \times 9) \times 3!!$$
$$= -0! + (3 + 5)! + 6 - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 6 + (5 + 3)! - 0!.$$

$$39606 = 3!! \times (9 \times 6 + 0!) + 6$$
$$= 6 + (0! + 6 \times 9) \times 3!!$$
$$= (-0! + 3 + 6)! + 6 - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 6 + (\sqrt{63 + 0!})!.$$

$$39607 = 3!! \times (9 \times 6 + 0!) + 7$$
$$= 7 + (0! + 6 \times 9) \times 3!!$$
$$= (-0! + 3 + 6)! + 7 - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 7 + (\sqrt{63 + 0!})!.$$

$$39608 = 3!! \times (9 \times 6 + 0!) + 8$$
$$= 8 + (0! + 6 \times 9) \times 3!!$$
$$= -0! - (-3 + 6)!! + 8! + 9$$
$$= 9 + 8! - (6 - 3)!! - 0!.$$

$$39609 = 3!! \times (9 \times 6 + 0!) + 9$$
$$= 9 + (0! + 6 \times 9) \times 3!!$$
$$= (-0! + 3 + 6)! + 9 - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 9 + (\sqrt{63 + 0!})!.$$

$$39618 = 3 \times (\sqrt{9})! - 6! + 1 \times 8!$$
$$= 8! - 1 \times 6! + \sqrt{9} \times 3!$$
$$= 1 \times 3 \times 6 + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! + 6 \times 3 \times 1.$$

$$39624 = -(-3 + 9)! + (6 + 2)! + 4!$$
$$= 4! + (2 + 6)! - (9 - 3)!$$
$$= (2^3)! + 4! - (-6 + 9)!!$$
$$= -(9 - 6)!! + 4! + (3! + 2)!.$$

$$39636 = 3!! + (9 \times 6! + 3!) \times 6$$
$$= 6 \times (3! + 6! \times 9) + 3!!$$
$$= 3!! + 3! \times (6 + 6! \times 9)$$
$$= (9 \times 6! + 6) \times 3! + 3!!.$$

$$39648 = -3!! + 96/\sqrt{4} + 8!$$
$$= 8! - 4! - (6^{\sqrt{9}}) \times 3$$
$$= (-3 \times 4 + 6!) \times 8!/(\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8 \times 6 + (\sqrt{4^3})!.$$

$$39678 = -3!! + (\sqrt{9})! \times (6 + 7) + 8!$$
$$= 8! + (7 + 6) \times (\sqrt{9})! - 3!!$$
$$= 3! \times (6 + 7) + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! + (7 + 6) \times 3!.$$

$$39744 = (3! + 9 \times 7) \times 4! \times 4!$$
$$= 4! \times 4! \times (7 \times 9 + 3!)$$
$$= (-3!! + 4 \times 4! + 7!) \times 9$$
$$= 9 \times (7! + 4 \times 4! - 3!!).$$

$$39754 = -3! + (9! - 7!)/(5 + 4)$$
$$= ((4 + 5)! - 7!)/9 - 3!$$
$$= -3! + ((4 + 5)! - 7!)/9$$
$$= (9! - 7!)/(5 + 4) - 3!.$$

$$39763 = ((3 + 6)! - 7!)/9 + 3$$
$$= 3 + (9! - 7!)/(6 + 3)$$
$$= 3 + ((3 + 6)! - 7!)/9$$
$$= (9! - 7!)/(6 + 3) + 3.$$

$$39768 = ((3!! - 9) \times 7 - 6) \times 8$$
$$= 8 \times (-6 + 7 \times (-9 + 3!!))$$
$$= (3 + 6!) \times 7 \times 8 - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8 \times 7 \times (6! + 3).$$

$$39816 = (3!! - 9) \times 8 \times (1 + 6)$$
$$= (6 + 1) \times 8 \times (-9 + 3!!)$$
$$= 1 \times \sqrt{3!^6} + 8! - (\sqrt{9})!!$$
$$= (-9! + 8! \times 6!)/3!! \times 1.$$

$$39834 = (-3^9 + 8! - 3!!) \times \sqrt{4}$$
$$= 4! - 3! + 8! - 9!/3!!$$
$$= -3! \times (3^4 - 8!/(\sqrt{9})!)$$
$$= -(\sqrt{9})! + 8! - 4 \times 3!!/3!.$$

$$39835 = 3!!/3 - 5 + 8! - (\sqrt{9})!!$$
$$= -(\sqrt{9})!! + 8! - 5 + 3!!/3$$
$$= 3!!/\sqrt{9} + 8! - 3!! - 5$$
$$= -5 - 3!! + 8! + (\sqrt{9})!!/3.$$

$$39878 = 3! + ((\sqrt{9})!! - 8) \times 7 \times 8$$
$$= 8 \times 7 \times (-8 + (\sqrt{9})!!) + 3!$$
$$= 3! + 7 \times 8 \times (-8 + (\sqrt{9})!!)$$
$$= ((\sqrt{9})!! - 8) \times 8 \times 7 + 3!.$$

$$39888 = -3 \times 9 \times (8 + 8) + 8!$$
$$= 8! - (8 + 8) \times 9 \times 3$$
$$= \sqrt{\sqrt{3!^8}} \times 8 + 8! - (\sqrt{9})!!$$
$$= \sqrt{\sqrt{(\sqrt{9})!^8}} \times 8 + 8! - 3!!.$$

$$39957 = -3 + 9 \times (-(\sqrt{9})!! + 5! + 7!)$$
$$= (7! + 5! - (\sqrt{9})!!) \times 9 - 3$$
$$= (-3!! + 5! + 7!) \times 9 - \sqrt{9}$$
$$= -\sqrt{9} + 9 \times (7! + 5! - 3!!).$$

$$39958 = -3!/\sqrt{9} - \sqrt{9} \times 5! + 8!$$
$$= 8! - (5! \times 9 + (\sqrt{9})!)/3$$
$$= -3 \times 5! + 8! - (\sqrt{9})!/\sqrt{9}$$
$$= -((\sqrt{9})!/\sqrt{9})! + 8! - 5! \times 3.$$

$$39978 = 3! \times ((\sqrt{9})! - 9 \times 7) + 8!$$
$$= 8! - 7^{\sqrt{9}} + \sqrt{9}/3$$
$$= -3! - 7 \times 8 \times ((\sqrt{9})! - (\sqrt{9})!!)$$
$$= (-9 + 9)! + 8! - 7^3.$$

$$39983 = (-3!! + (-(\sqrt{9})! + (\sqrt{9})!!) \times 8!)/3!!$$
$$= (-3!! + 8! \times (-(\sqrt{9})! + (\sqrt{9})!!))/3!!$$
$$= ((-3! + 3!!) \times 8! - (\sqrt{9})!!)/(\sqrt{9})!!$$
$$= ((-(\sqrt{9})! + (\sqrt{9})!!) \times 8! - 3!!)/3!!.$$

$$39984 = (3!! - (\sqrt{9})!) \times ((\sqrt{9})! + 8) \times 4$$
$$= 4 \times (8 + (\sqrt{9})!) \times ((\sqrt{9})!! - 3!)$$
$$= (3 + 4) \times 8 \times ((\sqrt{9})!! - (\sqrt{9})!)$$
$$= ((\sqrt{9})!! - (\sqrt{9})!) \times 8 \times (4 + 3).$$

$$\begin{aligned}39987 &= 3+((\sqrt{9})!!-(\sqrt{9})!)\times 8\times 7\\ &= 7\times 8\times((\sqrt{9})!!-(\sqrt{9})!)+3\\ &= (-37+8!/9)\times 9\\ &= (-(\sqrt{9})!+(\sqrt{9})!!)\times 8\times 7+3.\end{aligned}$$

$$\begin{aligned}40128 &= (-4!+(0!+(1+2)!)!)\times 8\\ &= 8!+(2-10)\times 4!\\ &= ((0!+(1+2)!)!-4!)\times 8\\ &= 8!+4!\times(2-10).\end{aligned}$$

$$\begin{aligned}40198 &= (-(4+0!)!+1-\sqrt{9})+8!\\ &= 8!-\sqrt{9}+1-(0!+4)!\\ &= 0!-(1+4)!+8!-\sqrt{9}\\ &= -\sqrt{9}+8!-(4+1)!-0!.\end{aligned}$$

$$\begin{aligned}40199 &= -(4+0!)!-1+9!/9\\ &= 9!/9-1-(0!+4)!\\ &= -0!-(1+4)!+9!/9\\ &= 9!/9-(4+1)!-0!.\end{aligned}$$

$$\begin{aligned}40228 &= -4\times(0!+22)+8!\\ &= 8!-(22+0!)\times 4\\ &= -(0!+22)\times 4+8!\\ &= 8!-4\times(22+0!).\end{aligned}$$

$$\begin{aligned}40248 &= -(4-0!)\times 24+8!\\ &= 8!+(\sqrt{4}-20)\times 4\\ &= -02\times 4!-4!+8!\\ &= 8!-4!\times(4-2^0).\end{aligned}$$

$$\begin{aligned}40278 &= -40-2+7!\times 8\\ &= 8!-7\times(2+0+4)\\ &= -(02+4)\times 7+8!\\ &= 8\times 7!-42\times 0!.\end{aligned}$$

$$\begin{aligned}40282 &= -\sqrt{40^2}+8!+2\\ &= 2+8!-20\times\sqrt{4}\\ &= -\sqrt{(0!+2)!!\times 2+4}+8!\\ &= 8!+\sqrt{4}-2\times 20.\end{aligned}$$

$$\begin{aligned}40283 &= -\sqrt{40^2}+8!+3\\ &= 3+8!-20\times\sqrt{4}\\ &= -0!-2-34+8!\\ &= 8!-4-32-0!.\end{aligned}$$

$$\begin{aligned}40284 &= -\sqrt{40^2}+8!+4\\ &= 4+8!-20\times\sqrt{4}\\ &= (-0!-2\times 4)\times 4+8!\\ &= 8!-4\times 4-20.\end{aligned}$$

$$\begin{aligned}40285 &= -\sqrt{40^2}+8!+5\\ &= 5+8!-20\times\sqrt{4}\\ &= (0!-2\times 4)\times 5+8!\\ &= 8!+5\times(-4\times 2+0!).\end{aligned}$$

$$\begin{aligned}40287 &= -\sqrt{40^2}+8!+7\\ &= 7+8!-20\times\sqrt{4}\\ &= -02-4!-7+8!\\ &= 8!-7-4!-2\times 0!.\end{aligned}$$

$$\begin{aligned}40288 &= -\sqrt{40^2}+8!+8\\ &= 8+8!-20\times\sqrt{4}\\ &= -024-8+8!\\ &= 8!-8-4-20.\end{aligned}$$

$$\begin{aligned}40289 &= -\sqrt{40^2}+8!+9\\ &= 9+8!-20\times\sqrt{4}\\ &= 02-4!+8!-9\\ &= -9+8!-4!+2\times 0!.\end{aligned}$$

$$\begin{aligned}40293 &= (4\times(0+2))!-9\times 3\\ &= -3\times 9+(2\times(0+4))!\\ &= (02^3)!-4!-\sqrt{9}\\ &= -\sqrt{9}-4!+(3!+2-0)!.\end{aligned}$$

$$\begin{aligned}40294 &= -\sqrt{4}-0+(2^{\sqrt{9}})!-4!\\ &= (\sqrt{4^{\sqrt{9}}})!-2+0-4!\\ &= -02-4!+(\sqrt{4^{\sqrt{9}}})!\\ &= -(\sqrt{9})!+(4+4)!-20.\end{aligned}$$

$$\begin{aligned}40295 &= -4!-0!+(2\times(9-5))!\\ &= (5+\sqrt{9})!-2+0!-4!\\ &= -0!+(2\times 4)!-(-5+9)!\\ &= -(9-5)!+(4\times 2)!-0!.\end{aligned}$$

$$\begin{aligned}40297 &= -4!+0!+(2\times\sqrt{9+7})!\\ &= ((7+9)/2)!+0!-4!\\ &= 0!+(2\times 4)!-(\sqrt{7+9})!\\ &= -(\sqrt{9+7})!+(4\times 2)!+0!.\end{aligned}$$

$$\begin{aligned}40298 &= -40+2\times 9+8!\\ &= 8!-9\times 2+0-4\\ &= -02^4+8!-(\sqrt{9})!\\ &= -9+8!-4!/2-0!.\end{aligned}$$

$$\begin{aligned}40299 &= -4!+0!+2+9!/9\\ &= 9!/9+2+0!-4!\\ &= 0!+2-4!+9!/9\\ &= 9!/9-4!+2+0!.\end{aligned}$$

$$\begin{aligned}40308 &= 4\times(0-3)-0+8!\\ &= 8!+0+3\times(0-4)\\ &= -003\times 4+8!\\ &= 8!-4\times 3\times 0!\times 0!.\end{aligned}$$

$$\begin{aligned}40309 &= -\sqrt{4}+(0!+3!+0!)!-9\\ &= (9-0!)!-3!-0!-4\\ &= (0!+0!+3!)!-\sqrt{4}-9\\ &= -9+(4!/3)!-0!-0!.\end{aligned}$$

$$\begin{aligned}40313 &= (\sqrt{4^{03}})!-1-3!\\ &= -3+(1+3!+0!)!-4\\ &= (0!+1+3!)!-3-4\\ &= (4!/3)!+3-10.\end{aligned}$$

$$\begin{aligned}40314 &= -(4-0!)!+(3+1+4)!\\ &= -(4-1)!+(3+0!+4)!\\ &= -01\times 3!+(4+4)!\\ &= (4+4)!-(3-1+0!)!.\end{aligned}$$

$$\begin{aligned}40315 &= (40/(3!-1))!-5\\ &= -5+(13-0!-4)!\\ &= (-0!+13-4)!-5\\ &= -5+(4\times(3-1))!\times 0!.\end{aligned}$$

$$\begin{aligned}40316 &= -4+0+(3-1+6)!\\ &= (\sqrt{61+3})!+0-4\\ &= (0!+1+3!)!-4!/6\\ &= 6+(4!/3)!-10.\end{aligned}$$

$$\begin{aligned}40317 &= 4\times 0-3+(1+7)!\\ &= (7+1)!-3+0/4\\ &= (0!+1+3!)!+4-7\\ &= 7+(4!/3)!-10.\end{aligned}$$

$$\begin{aligned}40318 &= 4\times 0-3+1+8!\\ &= 8!-1+3+0-4\\ &= -0!-1^3 4+8!\\ &= 8!-4\times 3+10.\end{aligned}$$

$$\begin{aligned}40319 &= (\sqrt{4^{03}})!-1^9\\ &= (9-1)!+3+0-4\\ &= -0!+(13+4-9)!\\ &= 9+(4!/3)!-10.\end{aligned}$$

$$\begin{aligned}40320 &= (40-32)!+0\\ &= 0+((2+30)/4)!\\ &= ((0!+(0\times 23)!)\times 4)!\\ &= (4!/3)!+20\times 0.\end{aligned}$$

$$\begin{aligned}40321 &= (40-32)!+1\\ &= 1+((2+30)/4)!\\ &= ((0!+(0\times 23)!)\times 4)!\\ &= (4!/3)!+20\times 0\\ &= 0!+(12/3+4)!\\ &= 4-3+(-2+10)!.\end{aligned}$$

$$\begin{aligned}40322 &= (40-32)!+2\\ &= 2+((2+30)/4)!\\ &= -02+(2^3)!+4\\ &= (-4!+32)!+2\times 0!.\end{aligned}$$

$$\begin{aligned}40323 &= (40-32)!+3\\ &= 3+((2+30)/4)!\\ &= -0!+(2+3+3)!+4\\ &= (4!/3)!+3+2\times 0.\end{aligned}$$

$$\begin{aligned}40332 &= 4\times(0+3)+(3!+2)!\\ &= (2^3)!+3\times(0+4)\\ &= (02^3)!+3\times 4\\ &= 4\times 3+(3!+2\times 0!)!.\end{aligned}$$

$$\begin{aligned}40337 &= 4!+(-0!+3\times 3)!-7\\ &= -7+(3\times 3-0!)!+4!\\ &= (-0!+3\times 3)!+4!-7\\ &= -7+4!+(3\times 3-0!)!.\end{aligned}$$

$$\begin{aligned}40338 &= -03-3+4!+8!\\ &= 8!-4\times 3+30\\ &= (4+0!)\times 3+(3+8!)\\ &= 8!+3+30/\sqrt{4}.\end{aligned}$$

$$\begin{aligned}40342 &= (\sqrt{4^{03}})!+4!-2\\ &= (2\times 4)!-3+0!+4!\\ &= -0!+23+(4+4)!\\ &= 4!+(4!/3)!-2\times 0!.\end{aligned}$$

$$\begin{aligned}40343 &= 4!-(0\times 3)!+(\sqrt{4^3})!\\ &= (3+\sqrt{4}+3)!-0!+4!\\ &= -0!+(3!+3!-4)!+4!\\ &= 4!+(4!/3)!-(3\times 0)!.\end{aligned}$$

$$\begin{aligned}40344 &= 4!-0/3+(4+4)!\\ &= (4+4)!+3!\times(0+4)\\ &= (03\times 4-4)!+4!\\ &= (4+4)!+4\times 3!\times 0!.\end{aligned}$$

$$\begin{aligned}40346 &= 4!-0!+3+(\sqrt{4}+6)!\\ &= (\sqrt{64})!+30-4\\ &= -0!+3+4!+(\sqrt{\sqrt{4^6}})!\\ &= (\sqrt{64})!-4+30.\end{aligned}$$

$$\begin{aligned}40358 &= 40+3-5+8!\\ &= 8!+5!/3+0-\sqrt{4}\\ &= -0!+34+5+8!\\ &= 8!-5+43\times 0!.\end{aligned}$$

$$\begin{aligned}40368 &= ((4-0+3)!+6)\times 8\\ &= 8\times(6+(3+0+4)!)\\ &= -0!+3+46+8!\\ &= 8!+6+43-0!.\end{aligned}$$

$$\begin{aligned}40380 &= \sqrt{(4+0!)\times 3!!}+8!+0\\ &= 0+8!+30\times\sqrt{4}\\ &= (0!+0!)^{3!}-4+8!\\ &= 8!+4!+3!^{0!+0!}.\end{aligned}$$

$$\begin{aligned}40381 &= \sqrt{(4+0!)\times 3!!}+8!+1\\ &= 1+8!+30\times\sqrt{4}\\ &= 0!+(-1+3!)!/\sqrt{4}+8!\\ &= 8!+\sqrt{4}\times 31-0!.\end{aligned}$$

$$\begin{aligned}40382 &= \sqrt{(4+0!)\times 3!!}+8!+2\\ &= 2+8!+30\times\sqrt{4}\\ &= 02^{3!}-\sqrt{4}+8!\\ &= 8!+4^3-2\times 0!.\end{aligned}$$

$$\begin{aligned}40383 &= \sqrt{(4+0!)\times 3!!}+8!+3\\ &= 3+8!+30\times\sqrt{4}\\ &= 03\times(-3+4!)+8!\\ &= 8!+4^3-(3\times 0)!.\end{aligned}$$

$$\begin{aligned}40384 &= \sqrt{(4+0!)\times 3!!}+8!+4\\ &= 4+8!+30\times\sqrt{4}\\ &= (0!+3)\times 4\times 4+8!\\ &= 8!+4^{4-3^0}.\end{aligned}$$

$$\begin{aligned}40385 &= \sqrt{(4+0!)\times 3!!}+8!+5\\ &= 5+8!+30\times\sqrt{4}\\ &= (0!+3\times 4)\times 5+8!\\ &= 8!+5\times(4\times 3+0!).\end{aligned}$$

$$\begin{aligned}40386 &= \sqrt{(4+0!)\times 3!!}+8!+6\\ &= 6+8!+30\times\sqrt{4}\\ &= 03\times 4!-6+8!\\ &= 8!+64+3-0!.\end{aligned}$$

$$\begin{aligned}40387 &= \sqrt{(4+0!)\times 3!!}+8!+7\\ &= 7+8!+30\times\sqrt{4}\\ &= 0!+3!\times(4+7)+8!\\ &= 8!+74-3!-0!.\end{aligned}$$

$$\begin{aligned}40388 &= \sqrt{(4+0!)\times 3!!}+8!+8\\ &= 8+8!+30\times\sqrt{4}\\ &= (-0!+3!)!/\sqrt{4}+8+8!\\ &= 8+8!+\sqrt{4}\times 30.\end{aligned}$$

$$\begin{aligned}40389 &= \sqrt{(4+0!)\times 3!!}+8!+9\\ &= 9+8!+30\times\sqrt{4}\\ &= 03\times 4!+8!-\sqrt{9}\\ &= 9+8!+\sqrt{4}\times 30.\end{aligned}$$

$$\begin{aligned}40392 &= 4\times((0!+3!)!+9)\times 2\\ &= 2\times(9+(3!+0!)!)\times 4\\ &= (02^3)!+4!\times\sqrt{9}\\ &= \sqrt{9}\times 4!+(3!+2-0)!.\end{aligned}$$

$$\begin{aligned}40398 &= \sqrt{4}\times(0+39)+8!\\ &= 8!+\sqrt{9}\times(30-4)\\ &= 03^4+8!-\sqrt{9}\\ &= (\sqrt{9})!+8!+4!\times 3\times 0!.\end{aligned}$$

$$\begin{aligned}40408 &= 4\times(-0!+4!-0!)+8!\\ &= 8!+(-0!+4!-0!)\times 4\\ &= (0!+0!)\times 44+8!\\ &= 8!+44\times(0!+0!).\end{aligned}$$

$$\begin{aligned}40428 &= (4\times(0!+(4!+2)))+8!\\ &= 8!+(2+4!+0!)\times 4\\ &= (0!+2+4!)\times 4+8!\\ &= 8!+4\times(4!+2+0!).\end{aligned}$$

$$\begin{aligned}40435 &= (4+0!)!+(\sqrt{4^3})!-5\\ &= 5!+(3!+\sqrt{4})!-0!-4\\ &= (-0!+3!)!+(4+4)!-5\\ &= -5+(4+4)!+(3!-0!)!.\end{aligned}$$

$$\begin{aligned}40438 &= (4+0!)!+4-3!+8!\\ &= (8!+(3\times 40))-\sqrt{4}\\ &= ((0\times 3)!+4)!-\sqrt{4}+8!\\ &= 8!-\sqrt{4}+4\times 30.\end{aligned}$$

$$\begin{aligned}40440 &= (4+0+4)!+(4+0!)!\\ &= 0+(4+4)!+(0!+4)!\\ &= ((0\times 0)!+4)!+(4+4)!\\ &= (4+4)!+(4\times 0!+0!)!.\end{aligned}$$

$$\begin{aligned}40441 &= (4+0!)!+(4+4)!+1\\ &= 1+(4+4)!+(0!+4)!\\ &= 0!+(1+4)!+(4+4)!\\ &= (4+4)!+(4+1)!+0!.\end{aligned}$$

$$\begin{aligned}40444 &= (4+0!)!+(4+4)!+4\\ &= 4+(4+4)!+(0!+4)!\\ &= (0!+4)!+4+(4+4)!\\ &= 4+(4+4)!+(4+0!)!.\end{aligned}$$

$$\begin{aligned}40445 &= (4+0!)!+(4+4)!+5\\ &= 5+(4+4)!+(0!+4)!\\ &= 0!+4+(4+4)!+5!\\ &= 5+(4+4)!+(4+0!)!.\end{aligned}$$

$$\begin{aligned}40446 &= (4+0!)!+(4+4)!+6\\ &= 6+(4+4)!+(0!+4)!\\ &= (0!+4)!+(4+4)!+6\\ &= 6+(4+4)!+(4+0!)!.\end{aligned}$$

$$\begin{aligned}40447 &= (4+0!)!+(4+4)!+7\\ &= 7+(4+4)!+(0!+4)!\\ &= (0!+4)!+(4+4)!+7\\ &= 7+(4+4)!+(4+0!)!.\end{aligned}$$

$$\begin{aligned}40448 &= (4+0!)!+(4+4)!+8\\ &= 8+(4+4)!+(0!+4)!\\ &= (0!+4)!+4+4+8!\\ &= 8+(4+4)!+(4+0!)!.\end{aligned}$$

$$\begin{aligned}40449 &= (4+0!)!+(4+4)!+9\\ &= 9+(4+4)!+(0!+4)!\\ &= (0!+4)!+(4+4)!+9\\ &= 9+(4+4)!+(4+0!)!.\end{aligned}$$

$$\begin{aligned}40458 &= (4!-0!)\times(\sqrt{4+5})!+8!\\ &= 8!+5!-(4-0!)!+4!\\ &= -(-0!+4)!+4!+5!+8!\\ &= 8!+5!+4!-(4-0!)!.\end{aligned}$$

$$\begin{aligned}40464 &= (4-0+4)!+6\times 4!\\ &= 4!\times 6+(4+04)!\\ &= (04+4)!+4!\times 6\\ &= 6\times 4!+(4+4-0)!.\end{aligned}$$

$$\begin{aligned}40468 &= 4-0+4!\times 6+8!\\ &= 8!+6\times 4!+04\\ &= 04+4!\times 6+8!\\ &= 8!+6\times 4!+4\times 0!.\end{aligned}$$

$$\begin{aligned}40558 &= (4-0!)^5-5+8!\\ &= 8!+5!+5!+0-\sqrt{4}\\ &= (-0!+4)^5-5+8!\\ &= 8!+5!+5!-\sqrt{4}\times 0!.\end{aligned}$$

$$\begin{aligned}40584 &= \sqrt{4}\times(0+5)!+8!+4!\\ &= 4!+8!+5!\times(0+\sqrt{4})\\ &= (0!+4)!+4!+5!+8!\\ &= 8!+5!+4!+(4+0!)!.\end{aligned}$$

$$\begin{aligned}40585 &= 4!+0!+5!+8!+5!\\ &= 5!+8!+5!+0!+4!\\ &= 0!+4!+5!+5!+8!\\ &= 8!+5\times(54-0!).\end{aligned}$$

$$\begin{aligned}40668 &= \sqrt{4!\times((0!+6)!+6)}+8!\\ &= 8!+6\times(60-\sqrt{4})\\ &= (0!+0!)\times 4!\times 6+8!\\ &= 8!+6\times 4!\times(0!+0!).\end{aligned}$$

$$\begin{aligned}40832 &= (2^3)!+8^{0!+\sqrt{4}}\\ &= \sqrt{4^{0!+8}}+(3!+2)!\\ &= 02^{\sqrt{3^4}}+8!\\ &= 8!+(4!/3)^{2+0!}.\end{aligned}$$

$$\begin{aligned}40848 &= (4-0!)!!+8!-4!\times 8\\ &= 8!-4!\times 8+(0!+\sqrt{4})!!\\ &= (-0!+4)!!-4!\times 8+8!\\ &= 8!-8\times 4!+(4-0!)!!.\end{aligned}$$

$$\begin{aligned}40895 &= -4!-0!+8!+(\sqrt{9})!!-5!\\ &= -5!+(\sqrt{9})!!+8!-0!-4!\\ &= -0!-4!-5!+8!+(\sqrt{9})!!\\ &= (\sqrt{9})!!+8!-5!-4!-0!.\end{aligned}$$

$$\begin{aligned}40896 &= -(4-0!)!!\times 8+(\sqrt{9})!^6\\ &= 6^{(\sqrt{9})!}-8\times(0!+\sqrt{4})!!\\ &= -04!\times 6+8!+(\sqrt{9})!!\\ &= -(\sqrt{9})!!+8!+6^4\times 0!.\end{aligned}$$

$$\begin{aligned}40968 &= 4!\times(0-\sqrt{9})+6!+8!\\ &= 8!+\sqrt{6^{9-0!}/4}\\ &= (0!+4)^4+8!+\sqrt{9}\\ &= (\sqrt{9})!!+8!-4\times(4!-0!).\end{aligned}$$

$$\begin{aligned}41036 &= -4+((1+0!)^3)!+6!\\ &= 6!+(3!+0!+1)!-4\\ &= (0!+1+3!)!-4+6!\\ &= 6!-4+(3!+1+0!)!.\end{aligned}$$

$$\begin{aligned}41038 &= (4-1)!!+0!-3+8!\\ &= 8!+3!!+0!+1-4\\ &= 0!+1+3!!-4+8!\\ &= 8!-4+3!!+1+0!.\end{aligned}$$

$$\begin{aligned}41064 &= (-\sqrt{4}+10)!+6!+4!\\ &= 4!+6!+((0!+1)\times 4)!\\ &= ((0!+1)\times 4)!+4!+6!\\ &= 6!+4!+(4\times(1+0!))!.\end{aligned}$$

$$\begin{aligned}41448 &= -4!+1\times 4!^4/8\\ &= 8!+4!\times(4!-1+4!)\\ &= -1\times 4!+4!^4/8\\ &= 8!+4!\times(4!+4!-1).\end{aligned}$$

$$\begin{aligned}41472 &= 4! \times 1 \times 4! \times 72\\ &= 2 \times (7+4+1)^4\\ &= (1+2) \times 4!^{-4+7}\\ &= (7-4) \times 4!^{2+1}.\end{aligned}$$

$$\begin{aligned}41499 &= (4-1) \times (4!^{\sqrt{9}} + 9)\\ &= \sqrt{9} \times (9 + 4!^{-1+4})\\ &= (-1+4) \times (4!^{\sqrt{9}} + 9)\\ &= \sqrt{9} \times (9 + 4!^{4-1}).\end{aligned}$$

$$\begin{aligned}41616 &= (4-1)!^6 - (1+6)!\\ &= -(6+1)! + 6^{-1+4}!\\ &= -(11-4)! + 6^6\\ &= 6^6 - (-4+11)!.\end{aligned}$$

$$\begin{aligned}41617 &= (4-1)!^6 + 1 - 7!\\ &= -7! + 1 + 6^{-1+4}!\\ &= 1 + (-1+4)!^6 - 7!\\ &= -7! + 6^{4-1}! + 1.\end{aligned}$$

$$\begin{aligned}42048 &= 4!^2 \times (-0! + 4) + 8!\\ &= 8! + 4! \times (0! + 2) \times 4!\\ &= (0! + 2) \times 4! \times 4! + 8!\\ &= 8! + 4! \times 4! \times (2 + 0!).\end{aligned}$$

$$\begin{aligned}42336 &= (4+2)^{3!} - 3! \times 6!\\ &= 63 \times (3!! - 2 \times 4!)\\ &= (2^3)! + 3!^4 + 6!\\ &= 6^4 + 3!! + (3! + 2)!.\end{aligned}$$

$$\begin{aligned}42368 &= 4 \times 2^{3+6} + 8!\\ &= 8! + \sqrt{(6/3)^{-2+4!}}\\ &= 2^{3+\sqrt{\sqrt{4^6}}} + 8!\\ &= 8! + 64 \times 32.\end{aligned}$$

$$\begin{aligned}43188 &= (4 \times (3!! - 1) + 8!) - 8\\ &= 8! - 8 + (-1 + 3!!) \times 4\\ &= (-1 + 3!!) \times 4 - 8 + 8!\\ &= 8! - 8 + 4 \times (3!! - 1).\end{aligned}$$

$$\begin{aligned}43195 &= 4 \times 3!! + (-1+9)! - 5\\ &= -5 + (9-1)! + 3!! \times 4\\ &= 1 + 3!!/\sqrt{4} \times 5! - (\sqrt{9})!\\ &= \sqrt{9} \times \sqrt{5!^4} - 3! + 1.\end{aligned}$$

$$\begin{aligned}43198 &= 4 \times 3!! + 1 - \sqrt{9} + 8!\\ &= 8! - \sqrt{9} + 1 + 3!! \times 4\\ &= (1 + 3!!) \times 4 + 8! - (\sqrt{9})!\\ &= -(\sqrt{9})! + 8! + 4 \times (3!! + 1).\end{aligned}$$

$$\begin{aligned}43199 &= 4 \times 3!! - 1 + 9!/9\\ &= 9!/9 - 1 + 3!! \times 4\\ &= -1 + 3!! \times 4 + 9!/9\\ &= 9!/9 + 4 \times 3!! - 1.\end{aligned}$$

$$\begin{aligned}43208 &= 4 \times (3!! + 2) - 0 + 8!\\ &= 8! + (0 + 2 + 3!!) \times 4\\ &= (02 + 3!!) \times 4 + 8!\\ &= 8! + 4 \times (3!! + 2 \times 0!).\end{aligned}$$

$$\begin{aligned}43248 &= 4 \times 3!! + 2 \times 4! + 8!\\ &= 8! + 4! \times 2 + 3!! \times 4\\ &= ((2+3)! + \sqrt{4}) \times 4! + 8!\\ &= 8! + 4! \times (\sqrt{4} + (3+2)!).\end{aligned}$$

$$\begin{aligned}43264 &= 4^3 \times \sqrt{26^4}\\ &= (4! \times 6 + 2^{3!})^{\sqrt{4}}\\ &= 2^{3!} \times (-44 + 6!)\\ &= (6! - (4+4)^3)^2.\end{aligned}$$

$$\begin{aligned}43584 &= ((4! + 3) \times 5! + 8!) + 4!\\ &= 4! + 8! + 5! \times (3 + 4!)\\ &= 34 \times (-4! + 5!) + 8!\\ &= 8! + 544 \times 3!.\end{aligned}$$

$$\begin{aligned}43688 &= 4^{3!} - 6! + 8! - 8\\ &= (8 + 8^6)/3! - 4\\ &= -3!! + 4^6 - 8 + 8!\\ &= (8 + 8^6 - 4!)/3!.\end{aligned}$$

$$\begin{aligned}43896 &= -4! - 3!! + 8! + (\sqrt{9})! \times 6!\\ &= (69 - 8) \times 3!! - 4!\\ &= (3!! + 4!) \times (68 - 9)\\ &= 9!/8 - 6! - 4! - 3!!.\end{aligned}$$

$$\begin{aligned}43965 &= (\sqrt{4^3})! + \sqrt{9^6} \times 5\\ &= 5 \times (6! + 9) + (3! + \sqrt{4})!\\ &= (3! + \sqrt{4})! + 5 \times (6! + 9)\\ &= (9 + 6!) \times 5 + (4!/3)!.\end{aligned}$$

$$\begin{aligned}44416 &= (4+4)! + 4^{1 \times 6}\\ &= (-6+14)! + \sqrt{\sqrt{4^{4!}}}\\ &= 1 \times (4+4)! + 4^6\\ &= (\sqrt{64})! + 4^{4-1}!.\end{aligned}$$

$$\begin{aligned}44496 &= (4+4)! + (-4! + 6!) \times (\sqrt{9})!\\ &= (\sqrt{9})! \times (6! - 4!) + (4+4)!\\ &= (4+4)! + (-4! + (\sqrt{9})!!) \times 6\\ &= 6 \times ((\sqrt{9})!! - 4!) + (4+4)!.\end{aligned}$$

$$\begin{aligned}44628 &= (4 + \sqrt{4}) \times (6! - 2) + 8!\\ &= 8! + (-2 + 6!) \times (4 + \sqrt{4})\\ &= (-2 + (4!/4)!) \times 6 + 8!\\ &= 8! + 6 \times ((4!/4)! - 2).\end{aligned}$$

$$\begin{aligned}44636 &= -4 + (\sqrt{4} + 6)! + 3! \times 6!\\ &= 6 \times 3!! + (\sqrt{64})! - 4\\ &= (3! + \sqrt{4})! - 4 + 6 \times 6!\\ &= 6 \times 6! - 4 + (4!/3)!.\end{aligned}$$

$$\begin{aligned}44637 &= (4+4)! - 6! - 3 + 7!\\ &= 7! - 3 - 6! + (4+4)!\\ &= -3 + (4+4)! - 6! + 7!\\ &= 7! - 6! + (4+4)! - 3.\end{aligned}$$

$$\begin{aligned}44638 &= \sqrt{4} - 4 + 6 \times 3!! + 8!\\ &= 8! + 3! \times 6! + \sqrt{4} - 4\\ &= (3+4)! - \sqrt{4} - 6! + 8!\\ &= 8! - 6! - \sqrt{4} + (4+3)!.\end{aligned}$$

$$\begin{aligned}44664 &= (4+4)! + 6 \times (6! + 4)\\ &= (4 + 6!) \times 6 + (4+4)!\\ &= 4! + (4+4)! + 6 \times 6!\\ &= 6 \times (6! + 4) + (4+4)!.\end{aligned}$$

$$\begin{aligned}44668 &= 4! + 4 + 6 \times 6! + 8!\\ &= 8! + 6 \times 6! + 4 + 4!.\end{aligned}$$

$$\begin{aligned}44688 &= 4!/4 \times (6! + 8) + 8!\\ &= 8! + (8 + 6!) \times 4!/4.\end{aligned}$$

$$\begin{aligned}44782 &= -4!^{\sqrt{4}} + 7! + 8! - 2\\ &= (-2 + 8! + 7!) - 4!^{\sqrt{4}}\\ &= -2! - 4! \times 4! + 7! + 8!\\ &= 8! + 7! - 4! \times 4! - 2.\end{aligned}$$

$$\begin{aligned}44784 &= -4! \times (4! - (7! + 8!)/4!) \\ &= 4! \times ((8! + 7!)/4! - 4!) \\ &= -\sqrt{4!^{\sqrt{4\times 4}}} + 7! + 8! \\ &= 8! + (7!/4! - 4!) \times 4!.\end{aligned}$$

$$\begin{aligned}44928 &= 4^4 \times 9 \times 2 + 8! \\ &= 8! + 2 \times 9 \times 4^4 \\ &= (2 + 4!) \times 4! \times 8 \times 9 \\ &= 9 \times 8 \times 4! \times (4! + 2).\end{aligned}$$

$$\begin{aligned}45279 &= -(4 + 5)^2 + 7! \times 9 \\ &= 9 \times 7! - (-2 + 5)^4 \\ &= (\sqrt{2^4} + 5) \times (7! - 9) \\ &= 9 \times 7! - (5 + 4)^2.\end{aligned}$$

$$\begin{aligned}45297 &= (4 + 5) \times (2 - 9 + 7!) \\ &= (7! - 9 + 2) \times (5 + 4) \\ &= (2 - 4 - 5 + 7!) \times 9 \\ &= 9 \times (7! - 5 - 4 + 2).\end{aligned}$$

$$\begin{aligned}45333 &= ((\sqrt{4} + 5)! - 3) \times 3 \times 3 \\ &= 3 \times 3 \times (-3 + (5 + \sqrt{4})!) \\ &= 3 \times 3 \times (-3 + (\sqrt{4} + 5)!) \\ &= ((5 + \sqrt{4})! - 3) \times 3 \times 3.\end{aligned}$$

$$\begin{aligned}45339 &= (\sqrt{4} + 5) \times (-3 + 3!! \times 9) \\ &= (9 \times 3!! - 3) \times (5 + \sqrt{4}) \\ &= 3! + (-3 + (\sqrt{4} + 5)!) \times 9 \\ &= (9! - 5!)/(4!/3) - 3!.\end{aligned}$$

$$\begin{aligned}45342 &= (4 + 5) \times ((3 + 4)! - 2) \\ &= (-2 + (4 + 3)!) \times (5 + 4) \\ &= (-2 + (3 + 4)!) \times (4 + 5) \\ &= (5 + 4) \times ((4 + 3)! - 2).\end{aligned}$$

$$\begin{aligned}45348 &= (\sqrt{4} + 5)! - 3 \times 4 + 8! \\ &= 8! - 4 \times 3 + (5 + \sqrt{4})! \\ &= -3 \times 4 + (4 + 5)!/8 \\ &= 8! - \sqrt{5! + 4!} + (4 + 3)!.\end{aligned}$$

$$\begin{aligned}45357 &= -\sqrt{4}^{5\times 3} + 5^7 \\ &= 7! - 5 + (3 + 5)! + \sqrt{4} \\ &= -3 + 45/5 \times 7! \\ &= 7 \times 5! \times 54 - 3.\end{aligned}$$

$$\begin{aligned}45358 &= (\sqrt{4} + 5)! + 3 - 5 + 8! \\ &= 8! - 5 + 3 + (5 + \sqrt{4})! \\ &= 3 + (\sqrt{4} + 5)! - 5 + 8! \\ &= 8! - 5 + (5 + \sqrt{4})! + 3.\end{aligned}$$

$$\begin{aligned}45378 &= (4 + 5) \times (-3! + 7! + 8) \\ &= (8 + 7! - 3!) \times (5 + 4) \\ &= 3 \times (\sqrt{4 + 5})! + 7! + 8! \\ &= 8! + 7! + 54/3.\end{aligned}$$

$$\begin{aligned}45379 &= 4 + 5 \times 3 + 7! \times 9 \\ &= 9 \times 7! + 3 \times 5 + 4 \\ &= 3! \times 4 - 5 + 7! \times 9 \\ &= 9 \times (7! - 5) + 4^3.\end{aligned}$$

$$\begin{aligned}45384 &= (4! - 5 \times 3)!/8 + 4! \\ &= 4! + 8! + (3! + 5 - 4)! \\ &= 3! \times 4 + (4 + 5)!/8 \\ &= (85 - 4!) \times (4! + 3!!).\end{aligned}$$

$$\begin{aligned}45387 &= (4 + 5) \times 3 + 8! + 7! \\ &= 7! + 8! + 3 \times (5 + 4) \\ &= 3 \times (4 + 5) + 7! + 8! \\ &= 8! + 7! + (5 + 4) \times 3.\end{aligned}$$

$$\begin{aligned}45393 &= ((\sqrt{4} + 5)! + 3) \times 9 + 3! \\ &= 3! + 9 \times (3 + (5 + \sqrt{4})!) \\ &= 33 + (\sqrt{4} + 5)! \times 9 \\ &= 9 \times (5 + \sqrt{4})! + 33.\end{aligned}$$

$$\begin{aligned}45397 &= \sqrt{4} + (5 + 3!! \times 9) \times 7 \\ &= 7! \times 9 + 35 + \sqrt{4} \\ &= -3! - \sqrt{4} + (5 + 7!) \times 9 \\ &= 9 \times (7! + 5) - 4!/3.\end{aligned}$$

$$\begin{aligned}45679 &= 4 + (5 + 6!) \times 7 \times 9 \\ &= 9 \times 7 \times (6! + 5) + 4.\end{aligned}$$

$$\begin{aligned}45837 &= 4 \times 5! + 8! - 3 + 7! \\ &= 7! - 3 + 8! + 5! \times 4 \\ &= -3 + 4 \times 5! + 7! + 8! \\ &= 8! + 7! + 5! \times 4 - 3.\end{aligned}$$

$$\begin{aligned}45888 &= 4! \times (5! \times (8 + 8) - 8) \\ &= (-8 + (8 + 8) \times 5!) \times 4!.\end{aligned}$$

$$\begin{aligned}45933 &= \sqrt{4} - 5 - (\sqrt{9})!! + 3!^{3!} \\ &= 3!^{3!} - (\sqrt{9})!! - 5 + \sqrt{4} \\ &= 3!^{3!} - \sqrt{4 + 5} - (\sqrt{9})!! \\ &= (\sqrt{9})!^{(\sqrt{5+4})!} - 3 - 3!!.\end{aligned}$$

$$\begin{aligned}45934 &= (\sqrt{4 + 5})!^{(\sqrt{9})!} - 3!! - \sqrt{4} \\ &= -\sqrt{4} - 3!! + (\sqrt{9})!^{(\sqrt{5+4})!} \\ &= -3!! - \sqrt{4} + (\sqrt{4 + 5})!^{(\sqrt{9})!} \\ &= (\sqrt{9})!^{(\sqrt{5+4})!} - \sqrt{4} - 3!!.\end{aligned}$$

$$\begin{aligned}45936 &= (45 - 9)^3 - 6! \\ &= 6^{3!} - (9 - \sqrt{5 + 4})! \\ &= (3!! - 4!) \times (5! - 6 \times 9) \\ &= (-9 \times 6 + 5!) \times (-4! + 3!!).\end{aligned}$$

$$\begin{aligned}45939 &= (\sqrt{4 + 5})!^{(\sqrt{9})!} - 3!! + \sqrt{9} \\ &= (\sqrt{9})!^{3!} - (\sqrt{9})!! + 5 - \sqrt{4} \\ &= 3 - (\sqrt{4 + 5})!! + (\sqrt{9})!^{(\sqrt{9})!} \\ &= (\sqrt{9})!^{(\sqrt{9})!} + \sqrt{5 + 4} - 3!!.\end{aligned}$$

$$\begin{aligned}46078 &= -\sqrt{4} + (6! + 0 + 7!) \times 8 \\ &= 8 \times (7! + 0 + 6!) - \sqrt{4} \\ &= -\sqrt{04} + 6! + 7! + 8! \\ &= 8 \times (7! + 6!) - \sqrt{4} \times 0!.\end{aligned}$$

$$\begin{aligned}46079 &= -\sqrt{4} + 6! + 0! + 7! \times 9 \\ &= 9 \times 7! + 0! + 6! - \sqrt{4} \\ &= -0!^4 + 6! + 7! \times 9 \\ &= 9 \times 7! + 6! - 4^0.\end{aligned}$$

$$\begin{aligned}46080 &= \sqrt{4^6} \times (\sqrt{0! + 8})!! + 0 \\ &= 0 + (\sqrt{8 + 0!})!! \times 64 \\ &= (00! + 4)! \times 6! - 8! \\ &= -8! + 6! \times (4 + 00!)!.\end{aligned}$$

$$\begin{aligned}46081 &= \sqrt{4^6} \times (\sqrt{0! + 8})!! + 1 \\ &= 1 + (\sqrt{8 + 0!})!! \times 64 \\ &= 0! + (1 + 4)! \times 6! - 8! \\ &= -8! + 6! \times (4 + 1)! + 0!.\end{aligned}$$

$$\begin{aligned}46085 &= \sqrt{4^6} \times (\sqrt{0! + 8})!! + 5 \\ &= 5 + (\sqrt{8 + 0!})!! \times 64 \\ &= 0! + 4 + 5! \times 6! - 8! \\ &= -8! + 6! \times 5! + 4 + 0!.\end{aligned}$$

$$\begin{aligned}46086 &= \sqrt{4^6} \times (\sqrt{0! + 8})!! + 6\\ &= 6 + (\sqrt{8 + 0!})!! \times 64\\ &= (0! + 4)! \times 6! + 6 - 8!\\ &= -8! + 6 + 6! \times (4 + 0!)!.\end{aligned}$$

$$\begin{aligned}46087 &= \sqrt{4^6} \times (\sqrt{0! + 8})!! + 7\\ &= 7 + (\sqrt{8 + 0!})!! \times 64\\ &= (0! + 4)! \times 6! + 7 - 8!\\ &= -8! + 7 + 6! \times (4 + 0!)!.\end{aligned}$$

$$\begin{aligned}46088 &= \sqrt{4^6} \times (\sqrt{0! + 8})!! + 8\\ &= 8 + (\sqrt{8 + 0!})!! \times 64\\ &= (0!^4 + 6! \times 8) \times 8\\ &= 8 \times (8 \times 6! + 4^0).\end{aligned}$$

$$\begin{aligned}46089 &= \sqrt{4^6} \times (\sqrt{0! + 8})!! + 9\\ &= 9 + (\sqrt{8 + 0!})!! \times 64\\ &= (0! + 4)! \times 6! - 8! + 9\\ &= 9 - 8! + 6! \times (4 + 0!)!.\end{aligned}$$

$$\begin{aligned}46137 &= \sqrt{4^6} \times (1 + 3!!) - 7\\ &= -7 + (3!! + 1) \times 64\\ &= (1 + 3!!) \times \sqrt{4^6} - 7\\ &= -7 + 64 \times (3!! + 1).\end{aligned}$$

$$\begin{aligned}46144 &= 4 \times (6! + 1) \times 4 \times 4\\ &= 4 \times 4 \times (1 + 6!) \times 4\\ &= (1 + (4!/4)!) \times \sqrt{4^6}\\ &= 64 \times ((4!/4)! + 1).\end{aligned}$$

$$\begin{aligned}46288 &= (4! + 6! + 2) \times 8 + 8!\\ &= 8! + 8 \times (2 + 6! + 4!)\\ &= (2 + 4! + 6! \times 8) \times 8\\ &= 8! + 8 \times (6! + 4! + 2).\end{aligned}$$

$$\begin{aligned}46466 &= \sqrt{4} + 64 \times (6 + 6!)\\ &= (6 + 6!) \times \sqrt{4^6} + \sqrt{4}\\ &= \sqrt{4} + \sqrt{4^6} \times (6 + 6!)\\ &= (6 + 6!) \times 64 + \sqrt{4}.\end{aligned}$$

$$\begin{aligned}46536 &= -4 \times 6 \times 5 + 3!^6\\ &= 6^{3!} - 5 \times 6 \times 4\\ &= (3 - 4) \times 5! + 6^6\\ &= 6^6 - (-5 + 4 + 3!)!.\end{aligned}$$

$$\begin{aligned}46558 &= \sqrt{4} \times (-6 + 5^5 + 8!)\\ &= 8! + (5^5 - 6) \times \sqrt{4}\\ &= \sqrt{4} \times (5^5 - 6) + 8!\\ &= 8! + (-6 + 5^5) \times \sqrt{4}.\end{aligned}$$

$$\begin{aligned}46566 &= (-4! + 6) \times 5 + 6^6\\ &= 6^6 + 5 \times (6 - 4!)\\ &= 4! - 5! + 6 + 6^6\\ &= 6^6 + 6 - 5! + 4!.\end{aligned}$$

$$\begin{aligned}46596 &= (-4 + 6^5 - (\sqrt{9})!) \times 6\\ &= 6^{(\sqrt{9})!} - 56 - 4\\ &= -4 - 56 + 6^{(\sqrt{9})!}\\ &= -(\sqrt{9})! + 6^6 - 54.\end{aligned}$$

$$\begin{aligned}46624 &= -4! + 6^6 - 2 \times 4\\ &= -4 \times 2 + 6^6 - 4!\\ &= -2 \times 4 \times 4 + 6^6\\ &= 6^6 - 4 \times 4 \times 2.\end{aligned}$$

$$\begin{aligned}46625 &= -4! + 6^6 - 2 - 5\\ &= -5 - 2 + 6^6 - 4!\\ &= -2 - 4! - 5 + 6^6\\ &= 6^6 - 5 - 4! - 2.\end{aligned}$$

$$\begin{aligned}46626 &= -4 + 6^6 - 26\\ &= \sqrt{6^2}^6 - 6 - 4!\\ &= -24 - 6 + 6^6\\ &= 6^6 - 6 - (\sqrt{4^2})!.\end{aligned}$$

$$\begin{aligned}46627 &= -\sqrt{4} + 6^6 - 27\\ &= -7 + 2 + 6^6 - 4!\\ &= 2 - 4! + 6^6 - 7\\ &= -7 + 6^6 - 4! + 2.\end{aligned}$$

$$\begin{aligned}46629 &= \sqrt{4} + 6^6 - 29\\ &= -\sqrt{\sqrt{9^2}} + 6^6 - 4!\\ &= -24 + 6^6 - \sqrt{9}\\ &= -\sqrt{\sqrt{9^6}} + 6^{4+2}.\end{aligned}$$

$$\begin{aligned}46631 &= -4! + (6 \times 6)^3 - 1\\ &= -1 + \sqrt{36^6} - 4!\\ &= -1^3 - 4! + 6^6\\ &= 6^6 - 4 \times 3! - 1.\end{aligned}$$

$$\begin{aligned}46632 &= -4 \times 6 + 6^{3 \times 2}\\ &= (2 \times 3)^6 - 6 \times 4\\ &= (2 - 3) \times 4! + 6^6\\ &= 6^6 - 4! \times (3 - 2).\end{aligned}$$

$$\begin{aligned}46633 &= 4 + 6^6 - 3^3\\ &= 3/3 + 6^6 - 4!\\ &= (-3 + 3)! - 4! + 6^6\\ &= 6^6 - 4! + (-3 + 3)!.\end{aligned}$$

$$\begin{aligned}46634 &= \sqrt{4} + 6^6 - 3! \times 4\\ &= \sqrt{4} + \sqrt{36^6} - 4!\\ &= -3! - 4 \times 4 + 6^6\\ &= 6^6 - 4 \times 4 - 3!.\end{aligned}$$

$$\begin{aligned}46637 &= \sqrt{4} + 6^6 - 3 \times 7\\ &= -7 \times 3 + 6^6 + \sqrt{4}\\ &= -3 \times 4 + 6^6 - 7\\ &= -7 + 6^6 - 4 \times 3.\end{aligned}$$

$$\begin{aligned}46638 &= -4 - 6 + 6^{3!} - 8\\ &= -8 - 3! + 6^6 - 4\\ &= -3! - 4 + 6^6 - 8\\ &= -8 + 6^6 - 4 - 3!.\end{aligned}$$

$$\begin{aligned}46639 &= -\sqrt{4} - 6 + 6^{3!} - 9\\ &= -9 + 3!^6 - \sqrt{64}\\ &= -3! - \sqrt{4} + 6^6 - 9\\ &= -9 + 6^6 - 4!/3.\end{aligned}$$

$$\begin{aligned}46642 &= -2^4 + 6^6 + \sqrt{4}\\ &= \sqrt{4} + 6^6 - 4^2\\ &= 2 - 4 \times 4 + 6^6\\ &= 6^6 - 4 \times 4 + 2.\end{aligned}$$

$$\begin{aligned}46644 &= -4 \times 4 + 6^6 + 4\\ &= 4 + 6^6 - 4 \times 4\\ &= -4 \times 4 + 4 + 6^6\\ &= 6^6 - 4 \times 4 + 4.\end{aligned}$$

$$\begin{aligned}46645 &= -4+6^6-\sqrt{4}-5\\ &= -5-\sqrt{4}+6^6-4\\ &= -4\times 4+5+6^6\\ &= 6^6+5-4\times 4.\end{aligned}$$

$$\begin{aligned}46646 &= \sqrt{4}+6^6-\sqrt{4}\times 6\\ &= (\sqrt{\sqrt{6^4}})^6-6-4\\ &= -4\times 4+6+6^6\\ &= 6+6^6-4\times 4.\end{aligned}$$

$$\begin{aligned}46647 &= \sqrt{4}+6^6-4-7\\ &= -7+\sqrt{4}+6^6-4\\ &= -4\times 4+6^6+7\\ &= 7+6^6-4\times 4.\end{aligned}$$

$$\begin{aligned}46648 &= 4\times 6^6/4-8\\ &= -8+4+6^6-4\\ &= 4-4+6^6-8\\ &= 8+6^6-4\times 4.\end{aligned}$$

$$\begin{aligned}46649 &= 4+6^6-\sqrt{4}-9\\ &= -9-\sqrt{4}+6^6+4\\ &= -4\times 4+6^6+9\\ &= 9+6^6-4\times 4.\end{aligned}$$

$$\begin{aligned}46651 &= -4+6\times 6^5-1\\ &= -1^5+6^6-4\\ &= 1^4\times(5+6^6)\\ &= 6\times 6^5-4-1.\end{aligned}$$

$$\begin{aligned}46652 &= -4+(6\times 6)^{5-2}\\ &= (2-5+6)!^6-4\\ &= 2-(\sqrt{4+5})!+6^6\\ &= 6^6-(\sqrt{5+4})!+2.\end{aligned}$$

$$\begin{aligned}46653 &= -4+6^6-5+3!\\ &= 3!-5+6^6-4\\ &= 3\times(4-5)+6^6\\ &= 6^6\times(5-4)-3.\end{aligned}$$

$$\begin{aligned}46654 &= \sqrt{4}+6\times 6^5-4\\ &= ((-4+5)\times 6)^6-\sqrt{4}\\ &= -\sqrt{-4/4+5}+6^6\\ &= 6^6\times(5-4)-\sqrt{4}.\end{aligned}$$

$$\begin{aligned}46655 &= 4+6\times 6^5-5\\ &= 5/5+6^6-\sqrt{4}\\ &= (4-5)^5+6^6\\ &= 6\times 6^5-5+4.\end{aligned}$$

$$\begin{aligned}46656 &= ((4\times 6+6)/5)^6\\ &= 6^{5\times 6-6\times 4}\\ &= (-4+5)^6\times 6^6\\ &= 6^6\times(6-5)^4.\end{aligned}$$

$$\begin{aligned}46658 &= \sqrt{4}+6^{(6+5-8)!}\\ &= (8-5)!+6^6-4\\ &= (\sqrt{4+5})!^6-6+8\\ &= 8-6+6^{(\sqrt{5+4})!}.\end{aligned}$$

$$\begin{aligned}46659 &= 4+6^6+5-(\sqrt{9})!\\ &= (\sqrt{9})!^5\times 6+6/\sqrt{4}\\ &= (-4+5)\times 6^6+\sqrt{9}\\ &= (9-6)!^6+\sqrt{5+4}.\end{aligned}$$

$$\begin{aligned}46660 &= 4!/6+6^6+0\\ &= 0+6+6^6-\sqrt{4}\\ &= 04!/6+6^6\\ &= 6+6^6-\sqrt{4}\times 0!.\end{aligned}$$

$$\begin{aligned}46661 &= 4!/6+6^6+1\\ &= 1+6+6^6-\sqrt{4}\\ &= -1^4+6+6^6\\ &= 6^{\sqrt{6\times 6}}+4+1.\end{aligned}$$

$$\begin{aligned}46662 &= 4!/6+6^6+2\\ &= 2+6+6^6-\sqrt{4}\\ &= 2+4!/6+6^6\\ &= 6^6+(6/(4-2))!.\end{aligned}$$

$$\begin{aligned}46663 &= 4!/6+6^6+3\\ &= 3+6+6^6-\sqrt{4}\\ &= (3+4)!/6!+6^6\\ &= 6^6+6+4-3.\end{aligned}$$

$$\begin{aligned}46664 &= 4!/6+6^6+4\\ &= 4+6+6^6-\sqrt{4}\\ &= 4\times(-4+6)+6^6\\ &= 6^6+(6-4)\times 4.\end{aligned}$$

$$\begin{aligned}46665 &= 4!/6+6^6+5\\ &= 5+6+6^6-\sqrt{4}\\ &= -\sqrt{4}+5+6+6^6\\ &= 6+6^6+\sqrt{5+4}.\end{aligned}$$

$$\begin{aligned}46666 &= 4!/6+6+6^6\\ &= 6^{\sqrt{6\times 6}}+6+4.\end{aligned}$$

$$\begin{aligned}46667 &= 4!+6^6-6-7\\ &= -7-6+6^6+4!.\end{aligned}$$

$$\begin{aligned}46668 &= 4!/6+6^6+8\\ &= 8+6+6^6-\sqrt{4}.\end{aligned}$$

$$\begin{aligned}46669 &= 4!/6+6^6+9\\ &= \sqrt{9}+6^6+6+4.\end{aligned}$$

$$\begin{aligned}46673 &= 4+6^6+7+3!\\ &= 3\times 7+6^6-4\\ &= 3!+4+6^6+7\\ &= 7+6^6+4+3!.\end{aligned}$$

$$\begin{aligned}46679 &= \sqrt{4}+6^6+7\times\sqrt{9}\\ &= \sqrt{9}\times 7+6^6+\sqrt{4}.\end{aligned}$$

$$\begin{aligned}46692 &= 4!+6^6+(\sqrt{9})!\times 2\\ &= (2\times\sqrt{9})^6+\sqrt{6^4}\\ &= (2+4)\times 6+6^{(\sqrt{9})!}\\ &= -(\sqrt{9})!+6^6+42.\end{aligned}$$

$$\begin{aligned}46694 &= \sqrt{4}+6^6+9\times 4\\ &= 4\times 9+6^6+\sqrt{4}\\ &= 44+6^6-(\sqrt{9})!\\ &= -(\sqrt{9})!+6^6+44.\end{aligned}$$

$$\begin{aligned}46695 &= 4!+6^6+\sqrt{9}\times 5\\ &= 5\times\sqrt{9}+6^6+4!\\ &= 45+6^6-(\sqrt{9})!\\ &= 9+6^6+5!/4.\end{aligned}$$

$$\begin{aligned}46696 &= 46+6^{(\sqrt{9})!}-6\\ &= 6^{(\sqrt{9})!}+6\times 6+4\\ &= 46+6^6-(\sqrt{9})!\\ &= (\sqrt{9})!^6+6\times 6+4.\end{aligned}$$

$$\begin{aligned}46793 &= 4!\times 6-7+(\sqrt{9})!^{3!}\\ &= 3!!\times 9-7+(\sqrt{64})!\\ &= 3!!\times\sqrt{4^6}-7+(\sqrt{9})!!\\ &= (\sqrt{9})!!-7+6!\times 4^3.\end{aligned}$$

$$\begin{aligned}46796 &= -4+6!+7!\times 9+6!\\ &= 6!+9\times 7!+6!-4\\ &= -4+6!+6!+7!\times 9\\ &= 9\times 7!+6!+6!-4.\end{aligned}$$

$$\begin{aligned}46798 &= -\sqrt{4}+6!\times(-7+9\times 8)\\ &= (8\times 9-7)\times 6!-\sqrt{4}\\ &= -\sqrt{4}+6!\times(7\times 8+9)\\ &= (9\times 8-7)\times 6!-\sqrt{4}.\end{aligned}$$

$$\begin{aligned}46848 &= 4!\times 68\times 4+8!\\ &= \sqrt{8^4}\times(8+6!+4)\\ &= 4!\times 4\times 68+8!\\ &= 8!+8\times(6!+4\times 4!).\end{aligned}$$

$$\begin{aligned}47376 &= (-4+7)!!+3!^7/6\\ &= 6^7/3!+(7-4)!!\\ &= (\sqrt{(3\times 4)^6}+7!)\times 7\\ &= 7!/7+\sqrt{6^{4\times 3}}.\end{aligned}$$

$$\begin{aligned}47393 &= 4!-7+3!!+(\sqrt{9})!^{3!}\\ &= 3!^{(\sqrt{9})!}+3!!-7+4!\\ &= 3!^{3!}+4!-7+(\sqrt{9})!!\\ &= (\sqrt{9})!!-7+4!+3!^{3!}.\end{aligned}$$

$$\begin{aligned}47496 &= 4\times 7!/4!+(\sqrt{9})!^6\\ &= 6\times((\sqrt{9})!!\times(4+7)-4)\\ &= -4!+(4!+6\times 7)\times(\sqrt{9})!!\\ &= (\sqrt{9})!!\times(7\times 6+4!)-4!.\end{aligned}$$

$$\begin{aligned}48864 &= (-4!+\sqrt{8^8})\times 6\times\sqrt{4}\\ &= \sqrt{4}\times 6\times(\sqrt{8^8}-4!)\\ &= 4!/\sqrt{4}\times(6!-8)+8!\\ &= 8!-(8-6!)\times 4!/\sqrt{4}.\end{aligned}$$

$$\begin{aligned}48956 &= -4+(8+\sqrt{(\sqrt{9})!!\times 5})\times 6!\\ &= 6!\times 5+9!/8-4\\ &= -4+5!\times 68\times(\sqrt{9})!\\ &= 9!/8+6!\times 5-4.\end{aligned}$$

$$\begin{aligned}48966 &= 4\times(8+9)\times 6!+6\\ &= 6+6!\times(9\times 8-4)\\ &= \sqrt{4}\times 6\times 6!+8!+(\sqrt{9})!\\ &= (\sqrt{9})!+8!+6!\times\sqrt{6\times 4!}.\end{aligned}$$

$$\begin{aligned}48969 &= 4\times(8+9)\times 6!+9\\ &= 9+6!\times(9\times 8-4)\\ &= 4\times 6!\times(8+9)+9\\ &= 9+(9+8)\times 6!\times 4.\end{aligned}$$

$$\begin{aligned}49152 &= 4!\times(\sqrt{9}+1)^5\times 2\\ &= \sqrt{2^{(5-1)!\times 9}}\times 4\\ &= 12\times\sqrt{\sqrt{4^{(-5+9)!}}}\\ &= \sqrt{(\sqrt{9})!!/5}\times 4^{2+1}!.\end{aligned}$$

$$\begin{aligned}49164 &= (4^{(\sqrt{9})!}+1)\times 6\times\sqrt{4}\\ &= (4^6+1)\times\sqrt{9}\times 4\\ &= (1+\sqrt{\sqrt{4^{4!}}})\times(6+(\sqrt{9})!)\\ &= ((\sqrt{9})!+6)\times(\sqrt{\sqrt{4^{4!}}}+1).\end{aligned}$$

$$\begin{aligned}49248 &= 4\times\sqrt{9}\times(\sqrt{2^{4!}}+8)\\ &= 8!+4!/2\times((\sqrt{9})!!+4!)\\ &= 2\times(\sqrt{\sqrt{4^{4!}}}+8)\times(\sqrt{9})!\\ &= \sqrt{(\sqrt{9})!^8}\times(-4+42).\end{aligned}$$

$$\begin{aligned}49335 &= (-4!+93)\times(3!!-5)\\ &= (-5+3!!)\times(-3+\sqrt{9}\times 4!)\\ &= (3-3\times 4!)\times(5-(\sqrt{9})!!)\\ &= ((\sqrt{9})!!-5)\times(4!\times 3-3).\end{aligned}$$

$$\begin{aligned}49536 &= 4\times(\sqrt{9})!\times 5!+3!^6\\ &= 6^{3!}+5!\times(\sqrt{9})!\times 4\\ &= 3!\times(-4!+5!\times 69)\\ &= (\sqrt{9})!\times 6^5+4\times 3!!.\end{aligned}$$

$$\begin{aligned}49678 &= -\sqrt{4}+(\sqrt{9})!!\times(6+7)+8!\\ &= 8!+(7+6)\times(\sqrt{9})!!-\sqrt{4}\\ &= -\sqrt{4}+6!\times(78-9)\\ &= 9!/8+7!-6!-\sqrt{4}.\end{aligned}$$

$$\begin{aligned}49680 &= (4+9)\times 6!+8!+0\\ &= 0+8!+6!\times(9+4)\\ &= (0!^4+68)\times(\sqrt{9})!!\\ &= 9!/8+6\times(4-0!)!!.\end{aligned}$$

$$\begin{aligned}50394 &= (5\times(0!+3!)!-\sqrt{9})\times\sqrt{4}\\ &= \sqrt{4}\times(-\sqrt{9}+(3!+0!)!\times 5)\\ &= (0!+3!)!\times\sqrt{4}\times 5-(\sqrt{9})!\\ &= -(\sqrt{9})!+5\times\sqrt{4}\times(3!+0!)!.\end{aligned}$$

$$\begin{aligned}50688 &= ((5+0!)^6-8!)\times 8\\ &= 8\times(-8!+6^{0!+5})\\ &= ((0!+5)^6-8!)\times 8\\ &= 8\times(-8!+6^{(5+0!)}).\end{aligned}$$

$$\begin{aligned}50769 &= (-5!+0!+7!+6!)\times 9\\ &= 9\times(6!+7!+0!-5!)\\ &= (0!-5!+6!+7!)\times 9\\ &= 9\times(7!+6!-5!+0!).\end{aligned}$$

$$\begin{aligned}50976 &= (5+0!)^{(\sqrt{9})!}+7!-6!\\ &= -6!+7!+(\sqrt{9})!^{0!+5}\\ &= (0!+5)^6+7!-(\sqrt{9})!!\\ &= -(\sqrt{9})!!+7!+6^{(5+0!)}.\end{aligned}$$

$$\begin{aligned}51696 &= (5-1)!\times(6!\times\sqrt{9}-6)\\ &= 6^{(\sqrt{9})!}+(6+1^5)!\\ &= (1^5+6)!+6^{(\sqrt{9})!}\\ &= 86\times(6!-5!+1).\end{aligned}$$

$$\begin{aligned}53658 &= (5!-3)\times(-6+5!)+8!\\ &= 8!+(5!-6)\times(-3+5!)\\ &= (-3+5!)\times(5!-6)+8!\\ &= 8!-(6-5!)\times(5!-3).\end{aligned}$$

$$\begin{aligned}55296 &= (5!/5)^2\times 96\\ &= 6\times 9\times 2^{5+5}\\ &= 2^{5+5}\times 6\times 9\\ &= 96\times(5!/5)^2.\end{aligned}$$

$$\begin{aligned}55379 &= 5+(5+3!)\times(7!-(\sqrt{9})!)\\ &=(-(\sqrt{9})!+7!)\times(3!+5)+5\\ &=(3!+5)\times(-5+7!)-(\sqrt{9})!\\ &=-(\sqrt{9})!+(7!-5)\times(5+3!).\end{aligned}$$

$$\begin{aligned}55438 &= 5!\times 5!-\sqrt{4}+3!!+8!\\ &=8!+3!!-\sqrt{4}+5!\times 5!\\ &=3!!-\sqrt{4}+5!\times 5!+8!\\ &=8!+5!\times 5!-\sqrt{4}+3!!.\end{aligned}$$

$$\begin{aligned}55495 &= (5+(5+\sqrt{4})!)\times((\sqrt{9})!+5)\\ &=(5+(\sqrt{9})!)\times((\sqrt{4}+5)!+5)\\ &=((\sqrt{4}+5)!+5)\times(5+(\sqrt{9})!)\\ &=((\sqrt{9})!+5)\times(5+(5+\sqrt{4})!).\end{aligned}$$

$$\begin{aligned}55715 &= (5\times 5+7!)\times\sqrt{1+5!}\\ &=\sqrt{5!+1}\times(7!+5\times 5)\\ &=\sqrt{1+5!}\times(5\times 5+7!)\\ &=(7!+5\times 5)\times\sqrt{5!+1}.\end{aligned}$$

$$\begin{aligned}56448 &= (5!+6)\times 448\\ &=8!\times(4/4+6)/5\\ &=((4!/4)^5-6!)\times 8\\ &=8\times(6^5-(4!/4)!).\end{aligned}$$

$$\begin{aligned}56544 &= (5!-6)\times(5!+4)\times 4\\ &=4\times(4+5!)\times(-6+5!)\\ &=4\times(4+5!)\times(5!-6)\\ &=(-6+5!)\times(5!+4)\times 4.\end{aligned}$$

$$\begin{aligned}57595 &= (5+75)\times(\sqrt{9})!!-5\\ &=-5+(\sqrt{9})!!\times(5+75)\\ &=-5+(5+5)!/(7\times 9)\\ &=(\sqrt{9})!!\times(75+5)-5.\end{aligned}$$

$$\begin{aligned}57648 &= (-5+7+6!)\times 4!+8!\\ &=8!+4!\times(6!+7-5)\\ &=4!\times(-5+6!+7)+8!\\ &=8!+(7+6!-5)\times 4!.\end{aligned}$$

$$\begin{aligned}59049 &= (5+\sqrt{9}+0!)^4\times 9\\ &=(94\times 0+9)^5\\ &=(04+5)^{(\sqrt{9})!}/9\\ &=9^{9\times 5-40}.\end{aligned}$$

$$\begin{aligned}59319 &= (5+\sqrt{9}+31)^{\sqrt{9}}\\ &=9\times((-1+3!!)\times 9+5!)\\ &=(1+35+\sqrt{9})^{\sqrt{9}}\\ &=(-9\times 9+5!)^3\times 1.\end{aligned}$$

$$\begin{aligned}59535 &= (5^{\sqrt{9}}+5!)\times 3^5\\ &=(5^3+5!)\times\sqrt{9^5}\\ &=3^5\times(5!+5^{\sqrt{9}})\\ &=\sqrt{9^5}\times(5!+5^3).\end{aligned}$$

$$\begin{aligned}59639 &= -5!+(9!-6)/3!-(\sqrt{9})!!\\ &=(9!-3!)/6-(\sqrt{9})!!-5!\\ &=-3!!-5!+(-6+9!)/(\sqrt{9})!\\ &=(9!-(\sqrt{9})!)/6-5!-3!!.\end{aligned}$$

$$\begin{aligned}59755 &= -5+9\times 7!+5!\times 5!\\ &=5!\times 5!+7!\times 9-5\\ &=5!\times 5!-5+7!\times 9\\ &=9\times 7!-5+5!\times 5!.\end{aligned}$$

$$\begin{aligned}59760 &= 5!+(9!-7!)/6+0\\ &=0-6!+7!\times\sqrt{(\sqrt{9})!!/5}\\ &=(0!+5+6)\times 7!-(\sqrt{9})!!\\ &=(9!-7!)/6+5!+0.\end{aligned}$$

$$\begin{aligned}59984 &= 5+\sqrt{9^9}+8!-4!\\ &=-4!+8!+\sqrt{9^9}+5\\ &=-4!+5+8!+\sqrt{9^9}\\ &=\sqrt{9^9}+8!+5-4!.\end{aligned}$$

$$\begin{aligned}59989 &= -9+8!+\sqrt{9^9}-5\\ &=-5+\sqrt{9^9}+8!-9\\ &=-5+8!-9+\sqrt{9^9}\\ &=\sqrt{9^9}-9+8!+5.\end{aligned}$$

$$\begin{aligned}59998 &= -5+(9/\sqrt{9})^9+8!\\ &=8!+(9/\sqrt{9})^9-5\\ &=-5+8!+\sqrt{\sqrt{9^{9+9}}}\\ &=\sqrt{\sqrt{9^{9+9}}}+8!-5.\end{aligned}$$

$$\begin{aligned}60472 &= 6\times(-0!+\sqrt{4}\times 7!)-2\\ &=-2+(7!\times\sqrt{4}-0!)\times 6\\ &=02\times(-4+6\times 7!)\\ &=(7!\times 6-4)\times 2\times 0!.\end{aligned}$$

$$\begin{aligned}60473 &= -6-0!+4\times 7!\times 3\\ &=3\times 7!\times 4-0!-6\\ &=(\sqrt{03^4})!/6-7\\ &=7\times(6!\times 4\times 3-0!).\end{aligned}$$

$$\begin{aligned}60474 &= -6+(-0!+4)\times 7!\times 4\\ &=4\times 7!\times(4-0!)-6\\ &=-(-0!+4)!+\sqrt{4}\times 6\times 7!\\ &=7!\times\sqrt{6\times 4!}-(4-0!)!.\end{aligned}$$

$$\begin{aligned}60479 &= -(6\times 0)!+4\times 7!\times\sqrt{9}\\ &=(9!-(7-4)!)/(0+6)\\ &=-0!+(-4+6+7)!/(\sqrt{9})!\\ &=9!/(-7+6+4)!-0!.\end{aligned}$$

$$\begin{aligned}60487 &= (6+0!)!\times(4+8)+7\\ &=7+84\times(0+6!)\\ &=(0!+4\times 6!)\times 7+8!\\ &=8!+7\times(6!\times 4+0!).\end{aligned}$$

$$\begin{aligned}60499 &= (-6+(0!+4)!+9!)/(\sqrt{9})!\\ &=9!/(\sqrt{9})!+4!+0!-6\\ &=((0!+4)!-6+9!)/(\sqrt{9})!\\ &=9!/(\sqrt{9})!-6+4!+0!.\end{aligned}$$

$$\begin{aligned}60599 &= (6!-0!-5+9!)/(\sqrt{9})!\\ &=(9!-(\sqrt{9})!+(5+0!)!)/6\\ &=(05!-6+9!)/(\sqrt{9})!\\ &=9!/(9-6)!+5!-0!.\end{aligned}$$

$$\begin{aligned}61199 &= 6!-1+1\times 9!/(\sqrt{9})!\\ &=9!/(\sqrt{9})!-1+1\times 6!\\ &=-1+1\times 6!+9!/(\sqrt{9})!\\ &=(\sqrt{9})!!+9!/6-(-1+1)!.\end{aligned}$$

$$\begin{aligned}62496 &= 62\times\sqrt{4}\times 9!/6!\\ &=6^{(\sqrt{9})!}+(4!-2)\times 6!\\ &=(-2+4!)\times 6!+6^{(\sqrt{9})!}\\ &=(\sqrt{9})!^6+6!\times(4!-2).\end{aligned}$$

$$\begin{aligned}64776 &= (6! - 4 + 7! + 7!) \times 6\\ &= (6! + 7! + 7! - 4) \times 6\\ &= -4! - 6! + (6 + 7) \times 7!\\ &= 7! \times (7 + 6) - 6! - 4!.\end{aligned}$$

$$\begin{aligned}65544 &= 6! \times (5! - 5 - 4!) + 4!\\ &= 4! + (-4! - 5 + 5!) \times 6!\\ &= 4! - (4! + 5 - 5!) \times 6!\\ &= 6! \times (5! - 5 - 4!) + 4!.\end{aligned}$$

$$\begin{aligned}65664 &= 6! \times 5! - (6 + 6)^4\\ &= (-4! \times 6 + 6!) \times (5! - 6)\\ &= (-4! + 5!) \times (-6 \times 6 + 6!)\\ &= (-6 \times 6 + 6!) \times (5! - 4!).\end{aligned}$$

$$\begin{aligned}66339 &= (6 \times 6)^3 + 3^9\\ &= (9 \times 3)^3 + 6^6\\ &= 3^{3+6} + 6^{(\sqrt{9})!}\\ &= \sqrt{\sqrt{\sqrt{9^{6\times 6}}}} + 3!^{3!}.\end{aligned}$$

$$\begin{aligned}66784 &= 6^6 + (7! - 8) \times 4\\ &= 4 \times (-8 + 7!) + 6^6\\ &= (3!! + 4) \times 6 \times 6 + 8!\\ &= 8! + 6 \times 6 \times (4 + 3!!).\end{aligned}$$

$$\begin{aligned}67199 &= (-6 + (7 + 1)! + 9!)/(\sqrt{9})!\\ &= (9! - (\sqrt{9})! + (1 + 7)!)/6\\ &= ((-1 + 6)! \times 7! - 9)/9\\ &= (\sqrt{9})!!/9 \times 7!/6 - 1.\end{aligned}$$

$$\begin{aligned}68644 &= (6 + \sqrt{8^6/4})^{\sqrt{4}}\\ &= (4^4 + 6)^{8-6}\\ &= (4^4 + 6)^{-6+8}\\ &= 8! + \sqrt{(6!/5 + 4!)^4}.\end{aligned}$$

$$\begin{aligned}69144 &= 6! \times (\sqrt{9} + 1) \times 4! + 4!\\ &= 4! + (4 - 1)!! \times 96\\ &= 1 \times 4 \times (4! \times 6! + (\sqrt{9})!)\\ &= ((\sqrt{9})! + 6! \times 4!) \times 4 \times 1.\end{aligned}$$

$$\begin{aligned}69168 &= 6 \times ((\sqrt{9})!! \times 16 + 8)\\ &= 8 \times (6! + 1 + (\sqrt{9})!!) \times 6\\ &= (16 \times 6! + 8) \times (\sqrt{9})!\\ &= (\sqrt{9})! \times 8 \times (6! + 6! + 1).\end{aligned}$$

$$\begin{aligned}69264 &= (6 + (\sqrt{9})!! \times (-2 + 6)) \times 4!\\ &= 4! \times ((6 - 2) \times (\sqrt{9})!! + 6)\\ &= 2^4 \times (6 \times 6! + 9)\\ &= (9 + 6 \times 6!) \times 4^2.\end{aligned}$$

$$\begin{aligned}69777 &= -6! + (-9 + 7! + 7!) \times 7\\ &= 7 \times (7! + 7! - 9) - 6!\\ &= -6! + 7 \times (7! + 7! - 9)\\ &= (-9 + 7! + 7!) \times 7 - 6!.\end{aligned}$$

$$\begin{aligned}69837 &= 6! \times (\sqrt{9})!!/8 - 3 + 7!\\ &= 7! \times (3! + 8) - \sqrt{9} - 6!\\ &= -3!! + 6 \times 7! + 8! - \sqrt{9}\\ &= ((\sqrt{9})! + 8) \times 7! - 6! - 3.\end{aligned}$$

$$\begin{aligned}69888 &= 6 \times ((\sqrt{9})!! + 8) \times (8 + 8)\\ &= (8 + 8) \times (8 + (\sqrt{9})!!) \times 6\\ &= 6 \times (8 + 8) \times (8 + (\sqrt{9})!!)\\ &= ((\sqrt{9})!! + 8) \times (8 + 8) \times 6.\end{aligned}$$

$$\begin{aligned}69966 &= -6! + 99 \times (6! - 6)\\ &= (6! - 6) \times 99 - 6!\\ &= -6! + (-6 + 6!) \times 99\\ &= 99 \times (6! - 6) - 6!.\end{aligned}$$

$$\begin{aligned}69984 &= 6^9/(9 \times 8 \times \sqrt{4})\\ &= (4 + 8) \times \sqrt{(9 + 9)^6}\\ &= 4! \times \sqrt{\sqrt{6^8}} \times 9 \times 9\\ &= 9 \times 9 \times 864.\end{aligned}$$

$$\begin{aligned}69993 &= (6 + (\sqrt{9})!^{(\sqrt{9})!}) \times 9/3!\\ &= (3! + (\sqrt{9})!^{(\sqrt{9})!}) \times 9/6\\ &= \sqrt{3! \times 6^9} \times 9 + 9\\ &= 9 + 9 \times (\sqrt{9})!^6/3!.\end{aligned}$$

$$\begin{aligned}70476 &= 7 \times \sqrt{04} \times (7! - 6)\\ &= (-6 + 7!) \times \sqrt{4} \times (0 + 7)\\ &= \sqrt{04} \times (-6 + 7!) \times 7\\ &= 7 \times (7! - 6) \times \sqrt{4} \times 0!.\end{aligned}$$

$$\begin{aligned}70574 &= 7 \times ((0/5)! + 7!) \times \sqrt{4}\\ &= \sqrt{4} \times (7! + (5 \times 0)!) \times 7\\ &= (0! + (\sqrt{4} + 5)!) \times (7 + 7)\\ &= (7 + 7) \times ((5 + \sqrt{4})! + 0!).\end{aligned}$$

$$\begin{aligned}73389 &= (7! - 3 - 3!!) \times (8 + 9)\\ &= -(9 + 8) \times (3!! + 3 - 7!)\\ &= (-3!! - 3 + 7!) \times (8 + 9)\\ &= (9 + 8) \times (7! - 3 - 3!!).\end{aligned}$$

$$\begin{aligned}73464 &= (-7! + 3!! \times 4!) \times 6 + 4!\\ &= 4! + 6 \times (4! \times 3!! - 7!)\\ &= 3! \times (4 + 4! \times 6! - 7!)\\ &= (-7! + 6! \times 4! + 4) \times 3!.\end{aligned}$$

$$\begin{aligned}74431 &= 7^{\sqrt{4\times 4}} \times 31\\ &= (1 + 3!)^4 \times (4! + 7).\end{aligned}$$

$$\begin{aligned}74688 &= (7! - 4! - 6!) \times 8 + 8!\\ &= 8! - 8 \times (6! + 4! - 7!)\\ &= (-4! - 6! + 7!) \times 8 + 8!\\ &= 8! + 8 \times (7! - 6! - 4!).\end{aligned}$$

$$\begin{aligned}75480 &= -7! - 5! + \sqrt{4} \times 8! + 0\\ &= 0 + 8! \times \sqrt{4} - 5! - 7!\\ &= (-0! + 4) \times 5 \times (7! - 8)\\ &= (-8 + 7!) \times 5 \times (4 - 0!).\end{aligned}$$

$$\begin{aligned}75525 &= (7! - 5) \times (5 - 2) \times 5\\ &= 5 \times (-2 + 5) \times (-5 + 7!)\\ &= (-2 + 5) \times 5 \times (-5 + 7!)\\ &= (7! - 5) \times 5 \times (5 - 2).\end{aligned}$$

$$\begin{aligned}75543 &= (7! \times 5 + 5 - 4!) \times 3\\ &= 3 \times (-4! + 5 + 5 \times 7!).\end{aligned}$$

$$\begin{aligned}75565 &= (-7 + 5! \times (5! + 6)) \times 5\\ &= 5 \times ((6 + 5!) \times 5! - 7)\\ &= 5 \times (5! \times 5! + 6! - 7)\\ &= (-7 + (6 + 5!) \times 5!) \times 5.\end{aligned}$$

$$\begin{aligned}75579 &= (7! \times \sqrt{5 \times 5} - 7) \times \sqrt{9}\\ &= \sqrt{9} \times (7! \times \sqrt{5 \times 5} - 7)\\ &= (\sqrt{5 \times 5} \times 7! - 7) \times \sqrt{9}\\ &= \sqrt{9} \times (-7 + 7! \times \sqrt{5 \times 5}).\end{aligned}$$

$$\begin{aligned}75595 &= 7! \times \sqrt{5 \times 5 \times 9} - 5\\ &= -5 + (-9 + 5!/5) \times 7!\\ &= -\sqrt{5 \times 5} + 5 \times 7! \times \sqrt{9}\\ &= \sqrt{9} \times 7! \times 5 - \sqrt{5 \times 5}.\end{aligned}$$

$$\begin{aligned}76356 &= -7! + (6! - 3!) \times (5! - 6)\\ &= (-6 + 5!) \times (-3! + 6!) - 7!\\ &= (-3! + 5!) \times (-6 + 6!) - 7!\\ &= -7! + (-6 + 6!) \times (5! - 3!).\end{aligned}$$

$$\begin{aligned}76896 &= (7! + 6^{8-\sqrt{9}}) \times 6\\ &= 6 \times (\sqrt{(\sqrt{9})!^8} \times 6 + 7!)\\ &= 6^6 + (\sqrt{\sqrt{\sqrt{7^8}}})! \times (\sqrt{9})!\\ &= (\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}})! \times 7! + 6^6.\end{aligned}$$

$$\begin{aligned}77634 &= (-7 + 7! - 6!) \times (-3! + 4!)\\ &= (4! - 3!) \times (-6! - 7 + 7!)\\ &= (-3! + 4!) \times (-6! - 7 + 7!)\\ &= (7! - 7 - 6!) \times (4! - 3!).\end{aligned}$$

$$\begin{aligned}80399 &= -((8! + 0!)) - (((3!)! - 9!)/\sqrt{9})\\ &= (9! - (\sqrt{9})!!)/3 - 0! - 8!\\ &= -0! + (3! \times 8! - (\sqrt{9})!!)/\sqrt{9}\\ &= (-(\sqrt{9})!! + (\sqrt{9})! \times 8!)/3 - 0!.\end{aligned}$$

$$\begin{aligned}80518 &= 8! - 0! - 5! - 1 + 8!\\ &= (8! - 1 - (5! + 0!)) + 8!\\ &= -0! - 1 - 5! + 8! + 8!\\ &= 8! + 8! - 5! - 1 - 0!.\end{aligned}$$

$$\begin{aligned}80622 &= (8! - 0! - 6 - 2) \times 2\\ &= 2 \times ((2 + 6)! - 0! - 8)\\ &= -(0! + 2)! + 2 \times (-6 + 8!)\\ &= (8! - 6) \times 2 - (2 + 0!)!.\end{aligned}$$

$$\begin{aligned}80623 &= (8! - 0! - 6) \times 2 - 3\\ &= -3 + 2 \times (-6 - 0! + 8!)\\ &= 0! + 2 \times (-3 - 6 + 8!)\\ &= (8! - 6 - 3) \times 2 + 0!.\end{aligned}$$

$$\begin{aligned}80624 &= (8! + 0 - 6) \times 2 - 4\\ &= -4 + 2 \times (-6 + 0 + 8!)\\ &= 02 \times (-\sqrt{\sqrt{4^6}} + 8!)\\ &= (-8 + (\sqrt{64})!) \times 2 \times 0!.\end{aligned}$$

$$\begin{aligned}80628 &= 8! + 0 - 6 \times 2 + 8!\\ &= 8! - 2 \times 6 - 0 + 8!\\ &= -02 \times 6 + 8! + 8!\\ &= 8! + 8! - 6 \times 2 \times 0!.\end{aligned}$$

$$\begin{aligned}80629 &= (8! - (0/6)!) \times 2 - 9\\ &= \sqrt{9} + 2 \times (-6 - 0! + 8!)\\ &= 0! + \sqrt{-2 + 6} \times (8! - (\sqrt{9})!)\\ &= (-(\sqrt{9})! + 8!) \times \sqrt{6 - 2} + 0!.\end{aligned}$$

$$\begin{aligned}80634 &= (8! + 0 - 6 + 3) \times \sqrt{4}\\ &= \sqrt{4} \times (3 - 6 + 0 + 8!)\\ &= -03! + (-4 + 6) \times 8!\\ &= 8! \times (6 - 4) - 3! \times 0!.\end{aligned}$$

$$\begin{aligned}80635 &= (5 + 3)! - 6 + 0! + 8!\\ &= 8! \times (0 + 6/3) - 5\\ &= 0! + (3 + 5)! - 6 + 8!\\ &= 8! - 6 + (5 + 3)! + 0!.\end{aligned}$$

$$\begin{aligned}80638 &= 8! + 0 - 6/3 + 8!\\ &= 8! + 3 - 6 + 0! + 8!\\ &= 0! + 3 - 6 + 8! + 8!\\ &= 8! + 8! - 6/3 \times 0!.\end{aligned}$$

$$\begin{aligned}80639 &= (8! \times (0 + 6) - 3)/\sqrt{9}\\ &= 9!/(3 + 6) - 0! + 8!\\ &= -0! + 3 \times 6 \times 8!/9\\ &= 9! \times 8/(6 \times 3!) - 0!.\end{aligned}$$

$$\begin{aligned}80646 &= 8! \times (0 + 6 - 4) + 6\\ &= 6 + (-4 + 6) \times (0 + 8!)\\ &= (\sqrt{\sqrt{04^6}})! + 6 + 8!\\ &= 8! + 6 + (\sqrt{64})! \times 0!.\end{aligned}$$

$$\begin{aligned}80647 &= 8! \times (0 + 6 - 4) + 7\\ &= 7 + (-4 + 6) \times (0 + 8!)\\ &= (0! + 4! \times 6!) \times 7 - 8!\\ &= -8! + 7 \times (6! \times 4! + 0!).\end{aligned}$$

$$\begin{aligned}80652 &= (8! + (0/6)! + 5) \times 2\\ &= 2 \times (5 + (6 \times 0)! + 8!)\\ &= (-0! - 2 + 5) \times (6 + 8!)\\ &= (8! + 6) \times ((5 - 2) - 0!).\end{aligned}$$

$$\begin{aligned}80664 &= (8! - 0 + 6 + 6) \times \sqrt{4}\\ &= \sqrt{4} \times (6!/60 + 8!)\\ &= \sqrt{04} \times (6 + 6 + 8!)\\ &= (8! + 6 + 6) \times \sqrt{4} \times 0!.\end{aligned}$$

$$\begin{aligned}80688 &= 8! + 8 \times 6 + 0 + 8!\\ &= 8 \times (0 + 6) + (8! + 8!)\\ &= 06 \times 8 + 8! + 8!\\ &= 8! + 8! + 8 \times 6 \times 0!.\end{aligned}$$

$$\begin{aligned}81359 &= 8! - 1 + 3!! + (5 + \sqrt{9})!\\ &= (\sqrt{9} + 5)! + 3!! - 1 + 8!\\ &= -1 + (-3 + 5) \times 8! + (\sqrt{9})!!\\ &= (9! + 8!)/5 + 3!! - 1.\end{aligned}$$

$$\begin{aligned}81360 &= 8! \times (-1 + 3) + 6! + 0\\ &= 0 + 6! + (3 - 1) \times 8!\\ &= (0! + 1 + 3!)! + 6! + 8!\\ &= 8! + 6! + (3! + 1 + 0!)!.\end{aligned}$$

$$\begin{aligned}81384 &= 8! + (1 \times 3)!! + 8! + 4!\\ &= 4! + 8! + 3!! + 1 \times 8!\\ &= 1 \times 3!! + 4! + 8! + 8!\\ &= 8! + 8! + 4! \times 31.\end{aligned}$$

$$\begin{aligned}82944 &= 8/2 \times (\sqrt{9} \times 4)^4\\ &= 4^4 \times 9 + 2 \times 8!\\ &= 2 \times 4! \times 4! \times 8 \times 9\\ &= (9 \times 8 \times 4)^{4/2}.\end{aligned}$$

$$\begin{aligned}83157 &= -8 + (3! + 1)! + 5^7\\ &= 7! + 5^{1+3!} - 8\\ &= (1 + 3!)! + 5^7 - 8\\ &= -8 + 7! + 5^{3!+1}.\end{aligned}$$

$$\begin{aligned}83232 &= 2 \times (\sqrt{3!^{2^3}} + 8!)\\ &= (8! + \sqrt{3!^{2^3}}) \times 2\\ &= 2 \times ((2^3)! + \sqrt{3!^8})\\ &= (8! + 3!^{3!-2}) \times 2.\end{aligned}$$

$$\begin{aligned}83424 &= (8! + (3!! - 4!) \times 2) \times \sqrt{4}\\ &= (\sqrt{4}) \times (2 \times (-4! + 3!!) + 8!)\\ &= 2 \times ((3!! - 4!) \times \sqrt{4} + 8!)\\ &= (8! - \sqrt{4} \times (4! - 3!!)) \times 2.\end{aligned}$$

$$\begin{aligned}83534 &= (-4! + 3!!) \times 5! + 3! + 8\\ &= 8 + 3! + 5! \times (3!! - 4!)\\ &= 3! + 3!! \times (-4 + 5!) + 8\\ &= 8 + (5! - 4) \times 3!! + 3!.\end{aligned}$$

$$\begin{aligned}84960 &= 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 0\\ &= 0 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!\\ &= ((0! + 4)! + 6 - 8) \times (\sqrt{9})!!\\ &= (\sqrt{9})!! \times (-8 + 6 + (4 + 0!)!).\end{aligned}$$

$$\begin{aligned}84965 &= 8! \times \sqrt{4} + (\sqrt{9})! \times 6! + 5\\ &= 5 + 6 \times (\sqrt{9})!! + \sqrt{4} \times 8!\\ &= (-\sqrt{4} + 5!) \times 6! + 8 - \sqrt{9}\\ &= -\sqrt{9} + 8 + 6! \times (5! - \sqrt{4}).\end{aligned}$$

$$\begin{aligned}85568 &= 8 + 5! + 5! \times (6! - 8)\\ &= (-8 + 6!) \times 5! + 5! + 8\\ &= 5! + 5! \times (6! - 8) + 8\\ &= 8 + (-8 + 6!) \times 5! + 5!.\end{aligned}$$

$$\begin{aligned}85664 &= 8 + 5! \times (6! - 6) - 4!\\ &= -4! + (6! - 6) \times 5! + 8\\ &= -4! + 5! \times (-6 + 6!) + 8\\ &= 8 + (-6 + 6!) \times 5! - 4!.\end{aligned}$$

$$\begin{aligned}85666 &= -8 + 5! \times (6! - 6) - 6\\ &= -6 + (6! - 6) \times 5! - 8\\ &= 5! \times (-6 + 6!) - 6 - 8\\ &= -8 - 6 + (-6 + 6!) \times 5!.\end{aligned}$$

$$\begin{aligned}85669 &= -8 + 5! \times (6! - 6) - \sqrt{9}\\ &= -\sqrt{9} + (6! - 6) \times 5! - 8\\ &= 5! \times (-6 + 6!) - 8 - \sqrt{9}\\ &= -\sqrt{9} - 8 + (-6 + 6!) \times 5!.\end{aligned}$$

$$\begin{aligned}85679 &= 8! + 5 - 6 + 7! \times 9\\ &= 9 \times 7! - 6 + 5 + 8!\\ &= 5 - 6 + 7! \times (8 + 9)\\ &= (9 + 8) \times 7! - 6 + 5.\end{aligned}$$

$$\begin{aligned}85795 &= 8! + 5! + 7! \times 9 - 5\\ &= 5! + 9 \times 7! - 5 + 8!\\ &= 5! - 5 + 7! \times (8 + 9)\\ &= (9 + 8) \times 7! - 5 + 5!.\end{aligned}$$

$$\begin{aligned}86151 &= (-8 + 6!) \times (1 + 5!) - 1\\ &= -1 + (5! + 1) \times (6! - 8)\\ &= -1 + (1 + 5!) \times (6! - 8)\\ &= (-8 + 6!) \times (5! + 1) - 1.\end{aligned}$$

$$\begin{aligned}86152 &= (-8 + 6!) \times (-1 + 5! + 2)\\ &= ((\sqrt{25})! + 1) \times (6! - 8)\\ &= (-1 + 2 + 5!) \times (6! - 8)\\ &= (-8 + 6!) \times (5! + 2 - 1).\end{aligned}$$

$$\begin{aligned}86256 &= 8! - 6! + (-2 + 5)!^6\\ &= 6^{5-2}! - 6! + 8!\\ &= -(-2 + 5)!! + 6^6 + 8!\\ &= 8! + 6^6 - (5 - 2)!!.\end{aligned}$$

$$\begin{aligned}86351 &= -8 \times 6 + 3!! \times 5! - 1\\ &= -1 + 5! \times 3!! - 6 \times 8\\ &= -1 + 3!! \times 5! - 6 \times 8\\ &= -8 \times 6 + 5! \times 3!! - 1.\end{aligned}$$

$$\begin{aligned}86352 &= -8 \times 6 + 3! \times 5!^2\\ &= (\sqrt{25})! \times 3!! - 6 \times 8\\ &= (2 \times 3)! \times 5! - 6 \times 8\\ &= -8 \times 6 + 5! \times (3 \times 2)!.\end{aligned}$$

$$\begin{aligned}86356 &= -8 - 6 \times 3! + 5! \times 6!\\ &= 6! \times 5! - 36 - 8\\ &= 3!! \times 5! - 6 \times 6 - 8\\ &= -8 - 6 \times 6 + 5! \times 3!!.\end{aligned}$$

$$\begin{aligned}86384 &= 8 + 6! \times (-3 + 8)! - 4!\\ &= -4! + (8 - 3)! \times 6! + 8\\ &= (3 + \sqrt{4})! \times 6! - 8 - 8\\ &= -8 - 8 + 6! \times (\sqrt{4} + 3)!.\end{aligned}$$

$$\begin{aligned}86391 &= -8 + 6!/3! \times (\sqrt{9})!! - 1\\ &= -1 + (\sqrt{9})!!/3! \times 6! - 8\\ &= (-1 + 3!)! \times (\sqrt{\sqrt{\sqrt{6^8}}})! - 9\\ &= -9!/8! + 6! \times (3! - 1)!.\end{aligned}$$

$$\begin{aligned}86392 &= -8 + 6! \times (\sqrt{3 \times 9 - 2})!\\ &= (2 + 9/3)! \times 6! - 8\\ &= -2^3 + 6! \times (8 - \sqrt{9})!\\ &= (-\sqrt{9} + 8)! \times 6! - 3! - 2.\end{aligned}$$

$$\begin{aligned}86394 &= -8 + 6!/3! \times (\sqrt{9})!! + \sqrt{4}\\ &= 4^{\sqrt{9}} \times 3!! - 6 + 8!\\ &= (3 + \sqrt{4})! \times (\sqrt{\sqrt{\sqrt{6^8}}})! - (\sqrt{9})!\\ &= -(\sqrt{9})! + 8! + 6! \times 4^3.\end{aligned}$$

$$\begin{aligned}86395 &= 8 \times 6! \times (3! + 9) - 5\\ &= -5 + (9 + 3!) \times 6! \times 8\\ &= 3!! \times 5! - 6 - 8 + 9\\ &= 9 - 8 - 6 + 5! \times 3!!.\end{aligned}$$

$$\begin{aligned}86397 &= 8! + 6! - 3 + 9 \times 7!\\ &= 7! \times 9 + (-3 + 6!) + 8!\\ &= -3 + 6! + 7! \times (8 + 9)\\ &= (9 + 8) \times 7! + 6! - 3.\end{aligned}$$

$$\begin{aligned}86399 &= 8 + 6!/3! \times (\sqrt{9})!! - 9\\ &= -9 + (\sqrt{9})!!/3! \times 6! + 8\\ &= (3!!^{-6+8} - (\sqrt{9})!)/(\sqrt{9})!\\ &= (-(\sqrt{9})! + (\sqrt{9})!!^{8-6})/3!.\end{aligned}$$

$$\begin{aligned}86544 &= (8 + 6! \times 5 - \sqrt{4}) \times 4!\\ &= 4! \times (-\sqrt{4} + 5 \times 6! + 8).\end{aligned}$$

$$\begin{aligned}86584 &= -8 + (6! \times 5 + 8) \times 4!\\ &= 4! \times (8 + 5 \times 6!) - 8\\ &= 4! \times (5 \times 6! + 8) - 8\\ &= -8 + (8 + 6! \times 5) \times 4!.\end{aligned}$$

$$\begin{aligned}86632 &= -8 + 6!/6 \times (3!! + 2)\\ &= (2 + 3!!) \times 6!/6 - 8.\end{aligned}$$

$$\begin{aligned}86946 &= 8! + 6^{(\sqrt{9})!} - 4! - 6\\ &= -6 - 4! + (\sqrt{9})!^6 + 8!\\ &= -4! + 6^6 + 8! - (\sqrt{9})!\\ &= -(\sqrt{9})! + 8! + 6^6 - 4!.\end{aligned}$$

$$\begin{aligned}86965 &= 8! - 6 + (\sqrt{9})!^6 - 5\\ &= -5 - 6 + (\sqrt{9})!^6 + 8!\\ &= -5 + 6^6 + 8! - (\sqrt{9})!\\ &= -(\sqrt{9})! + 8! + 6^6 - 5.\end{aligned}$$

$$\begin{aligned}86976 &= 8! + \sqrt{(6^{9-7})^6}\\ &= 6^7/(9 - 6)! + 8!\\ &= 6^6 + (7 - 8 + 9)!\\ &= (9 - 8 + 7)! + 6^6.\end{aligned}$$

$$\begin{aligned}86994 &= 8! + 6^{(\sqrt{9})!} + 9 \times \sqrt{4} \\ &= \sqrt{4} \times 9 + (\sqrt{9})!^6 + 8! \\ &= 4! - 6 + 8! + (\sqrt{9})!^{(\sqrt{9})!} \\ &= (\sqrt{9})!^{(\sqrt{9})!} + 8! - 6 + 4!.\end{aligned}$$

$$\begin{aligned}87696 &= 8 \times 7! + 6! + (\sqrt{9})!^6 \\ &= 6! + (\sqrt{9})!^6 + 7! \times 8 \\ &= 6^6 + 7! \times 8 + (\sqrt{9})!! \\ &= (\sqrt{9})!! + 8 \times 7! + 6^6.\end{aligned}$$

$$\begin{aligned}88536 &= (\sqrt{8+8} + 5!) \times (3!! - 6) \\ &= (6! - 3!) \times (5! + \sqrt{8+8}) \\ &= (3 + 5!) \times 6! - (\sqrt{8+8})! \\ &= -(\sqrt{8+8})! + 6! \times (5! + 3).\end{aligned}$$

$$\begin{aligned}88832 &= (8! + 8 \times 8^3) \times 2 \\ &= \sqrt{-2+3!} \times (8! + \sqrt{8^8}).\end{aligned}$$

$$\begin{aligned}89995 &= (8 - \sqrt{9})^{\sqrt{9}} \times (\sqrt{9})!! - 5 \\ &= 5^{\sqrt{9}} \times (\sqrt{9})!! + \sqrt{9} - 8 \\ &= -5 + (8 - \sqrt{9})^{\sqrt{9}} \times (\sqrt{9})!! \\ &= -(\sqrt{9})!! + (9! + 9!)/8 - 5.\end{aligned}$$

$$\begin{aligned}90693 &= ((\sqrt{9})! \times (0! + 6)! - 9) \times 3 \\ &= 3 \times ((\sqrt{9})! \times (6 + 0!)! - 9) \\ &= ((0! + 3!)! \times 6 - 9) \times \sqrt{9} \\ &= \sqrt{9} \times (-9 + 6 \times (3! + 0!)!).\end{aligned}$$

$$\begin{aligned}90702 &= 9 \times ((0+7)! - 0!) \times 2 \\ &= 2 \times ((0+7)! - 0!) \times 9 \\ &= (-0! - 0! + 2 \times 7!) \times 9 \\ &= 9 \times (7! \times 2 - 0! - 0!).\end{aligned}$$

$$\begin{aligned}90711 &= 9 \times (-0! + 7! \times (1+1)) \\ &= ((1+1) \times 7! - 0!) \times 9 \\ &= (-0! + (1+1) \times 7!) \times 9 \\ &= 9 \times (7! \times (1+1) - 0!).\end{aligned}$$

$$\begin{aligned}90714 &= -(\sqrt{9})! + (0! + 7 + 1)!/4 \\ &= ((4-1) \times 7! - 0!) \times (\sqrt{9})! \\ &= (-0! + (-1+4) \times 7!) \times (\sqrt{9})! \\ &= (\sqrt{9})! \times (7! \times (4-1) - 0!).\end{aligned}$$

$$\begin{aligned}90717 &= \sqrt{9} \times (-0! + 7! \times (-1+7)) \\ &= 7! \times (17 + 0!) - \sqrt{9} \\ &= (0! + 17) \times 7! - \sqrt{9} \\ &= \sqrt{9} \times (7! \times (7-1) - 0!).\end{aligned}$$

$$\begin{aligned}90720 &= 9 \times (0+7)! \times 2 + 0 \\ &= 0 + 2 \times 7! \times (0+9) \\ &= (0 \times 0 + 2) \times 7! \times 9 \\ &= 9!/(7 - 2 \times 0! - 0!).\end{aligned}$$

$$\begin{aligned}90721 &= 9 \times (0+7)! \times 2 + 1 \\ &= 1 + 2 \times 7! \times (0+9) \\ &= 0 + 1 + 2 \times 7! \times 9 \\ &= 9!/(7 - 2 - 1) + 0!.\end{aligned}$$

$$\begin{aligned}90722 &= 9 \times (0+7)! \times 2 + 2 \\ &= 2 + 2 \times 7! \times (0+9) \\ &= 0 + 2 + 2 \times 7! \times 9 \\ &= 9 \times 7! \times 2 + 2 \times 0!.\end{aligned}$$

$$\begin{aligned}90723 &= 9 \times (0+7)! \times 2 + 3 \\ &= 3 + 2 \times 7! \times (0+9) \\ &= (0! + 2 \times 3 \times 7!) \times \sqrt{9} \\ &= 9!/(7-3) + 2 + 0!.\end{aligned}$$

$$\begin{aligned}90724 &= 9 \times (0+7)! \times 2 + 4 \\ &= 4 + 2 \times 7! \times (0+9) \\ &= 02 \times (\sqrt{4} + 7! \times 9) \\ &= (9 \times 7! + \sqrt{4}) \times 2 \times 0!.\end{aligned}$$

$$\begin{aligned}90726 &= 9 \times (0+7)! \times 2 + 6 \\ &= 6 + 2 \times 7! \times (0+9) \\ &= (02 + 6 \times 7!) \times \sqrt{9} \\ &= \sqrt{9} \times (7! \times 6 + 2 \times 0!).\end{aligned}$$

$$\begin{aligned}90728 &= 9 \times (0+7)! \times 2 + 8 \\ &= 8 + 2 \times 7! \times (0+9) \\ &= -0! + 2 \times (7! + 8!) + 9 \\ &= 9 + (8! + 7!) \times 2 - 0!.\end{aligned}$$

$$\begin{aligned}90729 &= 9 + 2 \times 7! \times (0+9) \\ &= 9 \times (0+7)! \times 2 + 9 \\ &= 02 \times 7! \times 9 + 9 \\ &= 9 + 9 \times 7! \times 2 \times 0!.\end{aligned}$$

$$\begin{aligned}90732 &= (9 \times (0+7)! + 3!) \times 2 \\ &= 2 \times (3! + 7! \times (-0+9)) \\ &= 02 \times (3! + 7! \times 9) \\ &= (9 \times 7! + 3!) \times 2 \times 0!.\end{aligned}$$

$$\begin{aligned}90735 &= \sqrt{9} \times ((0+7)! \times 3! + 5) \\ &= (5 + 3! \times 7!) \times \sqrt{09} \\ &= 03 \times (5 + 7! \times (\sqrt{9})!) \\ &= ((\sqrt{9})! \times 7! + 5) \times 3 \times 0!.\end{aligned}$$

$$\begin{aligned}90738 &= 9 \times (0! + 7!) \times (-3! + 8) \\ &= (8 - 3!) \times (7! + 0!) \times 9 \\ &= (-0! + 3) \times (7! + 8! + 9) \\ &= (9 + 8! + 7!) \times (3 - 0!).\end{aligned}$$

$$\begin{aligned}90744 &= 9!/(0/7 + 4) + 4! \\ &= 4! + \sqrt{4} \times 7! \times (0+9) \\ &= 04! + \sqrt{4} \times 7! \times 9 \\ &= 9 \times 7! \times \sqrt{4} + (4-0)!.\end{aligned}$$

$$\begin{aligned}90747 &= 9 \times (-0! + 7! + 4 + 7!) \\ &= (7! + 4 + 7! - 0!) \times 9 \\ &= (-0! + 4 + 7! + 7!) \times 9 \\ &= 9 \times (7! + 7! + 4 - 0!).\end{aligned}$$

$$\begin{aligned}90774 &= 9 \times (-0! + 7 + 7! \times \sqrt{4}) \\ &= (\sqrt{4} \times 7! + (7 - 0!)) \times 9 \\ &= ((-0! + 4)! + 7! + 7!) \times 9 \\ &= 9 \times (7! + 7! + (4 - 0!)!).\end{aligned}$$

$$\begin{aligned}90792 &= 9 \times (0! + 7! + \sqrt{9}) \times 2 \\ &= 2 \times (\sqrt{9} + 7! + 0!) \times 9 \\ &= (-0! + 2 \times 7! + 9) \times 9 \\ &= 9 \times (9 + 7! \times 2 - 0!).\end{aligned}$$

$$\begin{aligned}91573 &= ((\sqrt{9})!! + 1) \times (5! + 7) + 3! \\ &= 3! + (7 + 5!) \times (1 + (\sqrt{9})!!) \\ &= (1 + 3!!) \times (5! + 7) + (\sqrt{9})! \\ &= (\sqrt{9})! + (7 + 5!) \times (3!! + 1).\end{aligned}$$

$$\begin{aligned}92592 &= -(\sqrt{9})!! + (-2+5)!^{(\sqrt{9})!} \times 2 \\ &= 2 \times (\sqrt{9})!^{5-2}! - (\sqrt{9})!! \\ &= 2 \times (-2+5)!^{(\sqrt{9})!} - (\sqrt{9})!! \\ &= -(\sqrt{9})!! + (\sqrt{9})!^{5-2}! \times 2.\end{aligned}$$

$$\begin{aligned}93264 &= ((\sqrt{9})!^{3!} - (-2+6)!) \times \sqrt{4}\\ &= \sqrt{4} \times (-(6-2)! + 3!^{(\sqrt{9})!})\\ &= 2 \times (-3! \times 4 + 6^{(\sqrt{9})!})\\ &= ((\sqrt{9})!^6 - 4!) \times \sqrt{3! - 2}.\end{aligned}$$

$$\begin{aligned}93294 &= ((\sqrt{9})!^{3\times 2} - 9) \times \sqrt{4}\\ &= \sqrt{4} \times ((\sqrt{9})!^{2\times 3} - 9)\\ &= 2 \times (3!^{\sqrt{4\times 9}} - 9)\\ &= (-9 + (9\times 4)^3) \times 2.\end{aligned}$$

$$\begin{aligned}93302 &= ((\sqrt{9})!^{3!} - (3! - 0!)) \times 2\\ &= 2 \times (0! - (3! - (3!^{(\sqrt{9})!})))\\ &= -0! + 2 \times 3!^{3!} - 9\\ &= -9 + 3!^{3!} \times 2 - 0!.\end{aligned}$$

$$\begin{aligned}93303 &= -9 + 3!^{3!+0!}/3\\ &= (3 - 0!) \times 3!^{3!} - 9\\ &= (-0! + 3) \times 3!^{3!} - 9\\ &= -9 + 3!^{3!} \times (3 - 0!).\end{aligned}$$

$$\begin{aligned}93304 &= ((\sqrt{9})!^{3!} - 3 - 0!) \times \sqrt{4}\\ &= -\sqrt{4} \times (0! + 3 - 3!^{(\sqrt{9})!})\\ &= (-0! + 3!^{3!}) \times \sqrt{4} - (\sqrt{9})!\\ &= -(\sqrt{9})! + \sqrt{4} \times (3!^{3!} - 0!).\end{aligned}$$

$$\begin{aligned}93306 &= ((\sqrt{9})!^{3!}/3 - 0!) \times 6\\ &= 6^{0!+3!}/3 - (\sqrt{9})!\\ &= \sqrt{0! + 3} \times 3!^6 - (\sqrt{9})!\\ &= (-\sqrt{9} + 6^{3!}) \times \sqrt{3 + 0!}.\end{aligned}$$

$$\begin{aligned}93309 &= (-9 + 3!^{3!+0!})/\sqrt{9}\\ &= (\sqrt{9} - 0!) \times 3!^{3!} - \sqrt{9}\\ &= \sqrt{0! + 3} \times 3!^{(\sqrt{9})!} - \sqrt{9}\\ &= -\sqrt{9} + (\sqrt{9})!^{3!} \times \sqrt{3 + 0!}.\end{aligned}$$

$$\begin{aligned}93311 &= (\sqrt{9})!^{3!} \times (3-1) - 1\\ &= -1 + (-1+3) \times 3!^{(\sqrt{9})!}.\end{aligned}$$

$$\begin{aligned}93312 &= (9-3)^{3!} \times (1 \times 2)\\ &= 2 \times 1 \times 3!^{-3+9}\\ &= 12^3 \times 3! \times 9\\ &= (9-3)^{3!} \times 2 \times 1.\end{aligned}$$

$$\begin{aligned}93313 &= (\sqrt{9} + 3!^{3!+1})/3\\ &= (3!^{1+3!} + 3)/\sqrt{9}\\ &= 1 + 3!/3 \times 3!^{(\sqrt{9})!}\\ &= (\sqrt{9})!^{3!} \times 3!/3 + 1.\end{aligned}$$

$$\begin{aligned}93314 &= ((9-3)^{3!} + 1) \times \sqrt{4}\\ &= \sqrt{4} \times (1 + 3!^{-3+9})\\ &= (1 + 3!^{3!}) \times \sqrt{4!/(\sqrt{9})!}\\ &= ((\sqrt{9})! - 4) \times (3!^{3!} + 1).\end{aligned}$$

$$\begin{aligned}93321 &= 9 + 3!^{3!} \times 2 \times 1\\ &= 1 \times 2 \times 3!^{3!} + 9.\end{aligned}$$

$$\begin{aligned}93322 &= ((\sqrt{9})!^{3!} + 3 + 2) \times 2\\ &= 2 \times (2 + 3 + 3!^{(\sqrt{9})!}).\end{aligned}$$

$$\begin{aligned}93324 &= (\sqrt{9} + ((3!^{3!})/2)) \times 4\\ &= \sqrt{4} \times (2 \times 3 + 3!^{(\sqrt{9})!})\\ &= 2 \times (3!^{3!} + \sqrt{4 \times 9})\\ &= ((9\times 4)^3 + 3!) \times 2.\end{aligned}$$

$$\begin{aligned}93325 &= (9 + 3!^{3!}) \times 2 - 5\\ &= -5 + 2 \times (3!^{3!} + 9)\\ &= 2 \times (3!^{3!} + 5) + \sqrt{9}\\ &= \sqrt{9} + (5 + 3!^{3!}) \times 2.\end{aligned}$$

$$\begin{aligned}93342 &= (-9 + 3!^{3!} + 4!) \times 2\\ &= 2 \times (4! + 3!^{3!} - 9)\\ &= 2 \times (3!^{3!} + 4! - 9)\\ &= (-9 + 4! + 3!^{3!}) \times 2.\end{aligned}$$

$$\begin{aligned}93432 &= (\sqrt{9})!^{3!} \times \sqrt{4} + (3+2)!\\ &= (2+3)! + \sqrt{4} \times 3!^{(\sqrt{9})!}\\ &= 2 \times 3!^{3!} + (-4+9)!\\ &= (9-4)! + 3!^{3!} \times 2.\end{aligned}$$

$$\begin{aligned}93435 &= (\sqrt{9})!^{3!} \times \sqrt{4} + 3 + 5!\\ &= 5! + 3 + \sqrt{4} \times 3!^{(\sqrt{9})!}\\ &= 3!^{3!} \times \sqrt{4} + 5! + \sqrt{9}\\ &= \sqrt{9} + 5! + \sqrt{4} \times 3!^{3!}.\end{aligned}$$

$$\begin{aligned}93546 &= ((\sqrt{9})!^{3!} + 5!) \times \sqrt{4} - 6\\ &= -6 + \sqrt{4} \times (5! + 3!^{(\sqrt{9})!})\\ &= (-34 + 5^6) \times (\sqrt{9})!\\ &= ((\sqrt{9})!^6 + 5!) \times \sqrt{4} - 3!.\end{aligned}$$

$$\begin{aligned}93549 &= ((\sqrt{9})!^{3!} + 5!) \times \sqrt{4} - \sqrt{9}\\ &= -\sqrt{9} + \sqrt{4} \times (5! + 3!^{(\sqrt{9})!})\\ &= -3 + \sqrt{4} \times (5! + (\sqrt{9})!^{(\sqrt{9})!})\\ &= ((\sqrt{9})!^{(\sqrt{9})!} + 5!) \times \sqrt{4} - 3.\end{aligned}$$

$$\begin{aligned}93594 &= -(\sqrt{9})! + 3!! \times (5! + (\sqrt{9})! + 4)\\ &= (4 + (\sqrt{9})! + 5!) \times 3!! - (\sqrt{9})!\\ &= (3! + 4 + 5!) \times (\sqrt{9})!! - (\sqrt{9})!\\ &= -(\sqrt{9})! + (\sqrt{9})!! \times (5! + 4 + 3!).\end{aligned}$$

$$\begin{aligned}93595 &= (\sqrt{9})!! + 3!! \times (5! + 9) - 5\\ &= -5 + (9 + 5!) \times 3!! + (\sqrt{9})!!\\ &= 3!! - 5 + (5! + 9) \times (\sqrt{9})!!\\ &= (\sqrt{9})!! \times (9 + 5!) - 5 + 3!!.\end{aligned}$$

$$\begin{aligned}93597 &= -\sqrt{9} + 3!! \times (5! + \sqrt{9} + 7)\\ &= (7 + \sqrt{9} + 5!) \times 3!! - \sqrt{9}\\ &= (3 + 5! + 7) \times (\sqrt{9})!! - \sqrt{9}\\ &= -\sqrt{9} + (\sqrt{9})!! \times (7 + 5! + 3).\end{aligned}$$

$$\begin{aligned}94032 &= (\sqrt{9})!! + (4 - 0!)!^{3!} \times 2\\ &= 2 \times 3!^{0!+\sqrt{4}}! + (\sqrt{9})!!\\ &= (0! + 2)!^{3!} \times \sqrt{4} + (\sqrt{9})!!\\ &= (\sqrt{9})!! + \sqrt{4} \times 3!^{(2+0!)!}.\end{aligned}$$

$$\begin{aligned}94464 &= \left((\sqrt{9})!! - \sqrt{\sqrt{\sqrt{4^{4!}}}}\right) \times 6 \times 4!\\ &= \sqrt{4} \times (\sqrt{64})! + 4!^{\sqrt{9}}\\ &= \sqrt{4} \times (\sqrt{4!^4} + 6^{(\sqrt{9})!})\\ &= (9 + 6!/\sqrt{4}) \times 4^4.\end{aligned}$$

$$\begin{aligned}94944 &= ((9+4!) \times (\sqrt{9})!! - 4!) \times 4\\ &= 4 \times (-4! + (9+4!) \times (\sqrt{9})!!)\\ &= 4 \times (-4! + (4! + 9) \times (\sqrt{9})!!)\\ &= ((\sqrt{9})!! \times (9 + 4!) - 4!) \times 4.\end{aligned}$$

$$\begin{aligned}95368 &= ((\sqrt{9})! + 5^3) \times (6! + 8)\\ &= (8 + 6!) \times (3! + 5^{\sqrt{9}})\\ &= (3! + \sqrt{5^6}) \times (8 + (\sqrt{9})!!)\\ &= ((\sqrt{9})!! + 8) \times (6 + 5^3).\end{aligned}$$

$$\begin{aligned}95499 &= (9 + 5! + \sqrt{4}) \times 9^{\sqrt{9}}\\ &= 9^{\sqrt{9}} \times (\sqrt{4} + 5! + 9)\\ &= (\sqrt{4} + 5! + 9) \times 9^{\sqrt{9}}\\ &= 9^{\sqrt{9}} \times (9 + 5! + \sqrt{4}).\end{aligned}$$

$$\begin{aligned}95532 &= (-(\sqrt{9})! + 5!) \times (5! + 3!! - 2)\\ &= (-2 + 3!! + 5!) \times (5! - (\sqrt{9})!).\end{aligned}$$

$$\begin{aligned}95757 &= -\sqrt{9} + 5! \times 7 \times 5! - 7!\\ &= -7! + 5! \times 7 \times 5! - \sqrt{9}\\ &= 5! \times 5! \times 7 - 7! - \sqrt{9}\\ &= -\sqrt{9} - 7! + 7 \times 5! \times 5!.\end{aligned}$$

$$\begin{aligned}95760 &= (\sqrt{9})!! \times (5! + 7 + 6) + 0\\ &= 0 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= 0 + (5! + 6 + 7) \times (\sqrt{9})!!\\ &= (\sqrt{9})!! \times (7 + 6 + 5!) + 0.\end{aligned}$$

$$\begin{aligned}95761 &= (\sqrt{9})!! \times (5! + 7 + 6) + 1\\ &= 1 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= 1 + (5! + 6 + 7) \times (\sqrt{9})!!\\ &= (\sqrt{9})!! \times (7 + 6 + 5!) + 1.\end{aligned}$$

$$\begin{aligned}95762 &= (\sqrt{9})!! \times (5! + 7 + 6) + 2\\ &= 2 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= 2 + (5! + 6 + 7) \times (\sqrt{9})!!\\ &= (\sqrt{9})!! \times (7 + 6 + 5!) + 2.\end{aligned}$$

$$\begin{aligned}95763 &= (\sqrt{9})!! \times (5! + 7 + 6) + 3\\ &= 3 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= 3!! \times (5! + 6 + 7) + \sqrt{9}\\ &= (\sqrt{9})!! \times (7 + 6 + 5!) + 3.\end{aligned}$$

$$\begin{aligned}95764 &= (\sqrt{9})!! \times (5! + 7 + 6) + 4\\ &= 4 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= 4 + (5! + 6 + 7) \times (\sqrt{9})!!\\ &= (\sqrt{9})!! \times (7 + 6 + 5!) + 4.\end{aligned}$$

$$\begin{aligned}95765 &= (\sqrt{9})!! \times (5! + 7 + 6) + 5\\ &= 5 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= 5 + (5! + 6 + 7) \times (\sqrt{9})!!\\ &= (\sqrt{9})!! \times (7 + 6 + 5!) + 5.\end{aligned}$$

$$\begin{aligned}95766 &= (\sqrt{9})!! \times (5! + 7 + 6) + 6\\ &= 6 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= (5! - 6)/6 \times 7! + (\sqrt{9})!\\ &= (\sqrt{9})! + 7! + 6! \times (6 + 5!).\end{aligned}$$

$$\begin{aligned}95769 &= (\sqrt{9})!! \times (5! + 7 + 6) + 9\\ &= 9 + (6 + 7 + 5!) \times (\sqrt{9})!!\\ &= (5! + 6 + 7) \times (\sqrt{9})!! + 9\\ &= 9 + (\sqrt{9})!! \times (7 + 6 + 5!).\end{aligned}$$

$$\begin{aligned}95784 &= ((\sqrt{9})! + 5) \times 7! + 8! + 4!\\ &= 4! + 8! + 7! \times (5 + (\sqrt{9})!)\\ &= 4! + 5! \times (78 + (\sqrt{9})!!)\\ &= \sqrt{9} \times 8 + 7! \times (-5 + 4!).\end{aligned}$$

$$\begin{aligned}96957 &= \sqrt{9^6} \times ((\sqrt{9})! + 5! + 7)\\ &= (7 + 5! + (\sqrt{9})!) \times (6! + 9)\\ &= (5! + 6 + 7) \times 9^{\sqrt{9}}\\ &= 9^{\sqrt{9}} \times (7 + 6 + 5!).\end{aligned}$$

$$\begin{aligned}97209 &= ((\sqrt{9})!! + 0! + 2 \times 7!) \times 9\\ &= ((\sqrt{9})!! + 7! \times 2 + 0!) \times 9\\ &= (0! + 2 \times 7! + (\sqrt{9})!!) \times 9\\ &= 9 \times ((\sqrt{9})!! + 7! \times 2 + 0!).\end{aligned}$$

$$\begin{aligned}97632 &= -(\sqrt{9})!! + 7! + 6^{3!} \times 2\\ &= 2 \times 3!^6 + 7! - (\sqrt{9})!!.\end{aligned}$$

$$\begin{aligned}98304 &= 9 \times 8^{3!}/(0 + 4)!\\ &= 4^{03!} \times 8 \times \sqrt{9}\\ &= 03 \times (4 \times 8)^{\sqrt{9}}\\ &= (\sqrt{9})!! \times 8^4/30.\end{aligned}$$

$$\begin{aligned}98415 &= 9^{8-4} \times 15\\ &= 5 \times (-1 + 4)^8 \times \sqrt{9}\\ &= (1 + 4) \times (-5 + 8)^9\\ &= \sqrt{9^8} \times 5 \times (4 - 1).\end{aligned}$$

$$\begin{aligned}98503 &= (9 + 8 + 5!) \times (-0! + 3!!)\\ &= (3!! - 0!) \times (5! + 8 + 9)\\ &= (-0! + 3!!) \times (5! + 8 + 9)\\ &= (9 + 8 + 5!) \times (3!! - 0!).\end{aligned}$$

$$\begin{aligned}99354 &= -(\sqrt{9})! + (\sqrt{9})!! \times (-3! + 5! + 4!)\\ &= (4! + 5! - 3!) \times (\sqrt{9})!! - (\sqrt{9})!\\ &= (-3! + 4! + 5!) \times (\sqrt{9})!! - (\sqrt{9})!\\ &= -(\sqrt{9})! + (\sqrt{9})!! \times (5! + 4! - 3!).\end{aligned}$$

$$\begin{aligned}99369 &= (9! + 9^{\sqrt{36}})/9\\ &= (9^{(6-3)!} + 9!)/9\\ &= ((3 + 6)^{(\sqrt{9})!} + 9!)/9\\ &= (9^{(\sqrt{9})!} + 9!)/(6 + 3).\end{aligned}$$

$$\begin{aligned}99792 &= 99 \times 7!/(\sqrt{9} + 2)\\ &= 2 \times 9 \times (7! + 9!/(\sqrt{9})!!)\\ &= 2 \times (7! + 9!/(\sqrt{9})!!) \times 9\\ &= 9 \times (9!/(\sqrt{9})!! + 7!) \times 2.\end{aligned}$$

# 5 Selfie Numbers In Order of Digits and Reverse

$1392 := (-(1+3)! + (\sqrt{9})!!) \times 2 = 2 \times ((\sqrt{9})!! - (3+1)!).$
$1426 := -14 + 2 \times 6! = 62 \times (4! - 1).$
$1573 := (1+5!) \times (7+3!) = (3!+7) \times (5!+1).$
$1704 := (1+70) \times 4! = 4! \times (0+71).$
$2048 := 2^{(-0!+4+8)} = 8^4/(0+2).$
$2304 := \sqrt{(2 \times (3+0!)!)^4} = 4 \times (0!+3)!^2.$
$2544 := (2+5)!/\sqrt{4} + 4! = 4! + (\sqrt{4}+5)!/2.$
$2904 := ((2+\sqrt{9})! + 0!) \times 4! = 4! \times (0! + (\sqrt{9}+2)!).$
$3354 := -3! + (3!! + 5!) \times 4 = 4 \times (5! + 3!!) - 3!.$
$3376 := -3!! + (-3+7)^6 = -6! + (7-3)^{3!}.$
$3453 := 3!! \times 4!/5 - 3 = 3!!/5 \times 4! - 3.$
$3465 := (-3 - 4! + 6!) \times 5 = 5 \times (6! - 4! - 3).$
$3495 := (3 - 4! + (\sqrt{9})!!) \times 5 = 5! + (-9+4!)^3.$
$3584 := 3!! \times 5 + 8 - 4! = -\sqrt{4} \times 8 + 5 \times 3!!.$
$3585 := (3!! + 5 - 8) \times 5 = 5 \times ((8-5)!! - 3).$
$3595 := (3!! + 5 - (\sqrt{9})!) \times 5 = 5 \times (-(\sqrt{9})! + 5 + 3!!).$
$3615 := (3+6!) \times 1 \times 5 = 5 \times 1 \times (6! + 3).$
$3654 := (3! + 6!) \times 5 + 4! = 4! + 5 \times (6 + 3!!).$
$3655 := (3!! + 6 + 5) \times 5 = 5 \times (5 + 6 + 3!!).$
$3755 := (3!! + 7) \times 5 + 5! = 5! + 5 \times (7 + 3!!).$
$3864 := 3 \times (-8 + 6^4) = -4! + \sqrt{6^8} \times 3.$
$3957 := -3 - 9 \times 5! + 7! = 7! - 5! \times 9 - 3.$
$4088 := 4^{(\sqrt{0!+8})!} - 8 = -8 + 8^{0+4}.$
$4096 := 4^{0 \times 9 + 6} = (6!/90)^4.$
$4098 := \sqrt{4} + \sqrt{(-0! + 9)^8} = \sqrt{8(9-0!)} + \sqrt{4}.$
$4099 := 4^{(\sqrt{0+9})!} + \sqrt{9} = \sqrt{9} + (9-0!)^4.$
$4176 := (-4! + (-1+7)!) \times 6 = 6 \times ((7-1)! - 4!).$
$4308 := (-\sqrt{4} + 3!!) \times (\sqrt{0! + 8})! = (\sqrt{8+0!})! \times (3!! - \sqrt{4}).$
$4318 := -\sqrt{4} + 3! \times (\sqrt{1+8})!! = (8-1)! - 3!! - \sqrt{4}.$
$4324 := 4 + 3! \times (2+4)! = (4+2) \times 3!! + 4.$
$4336 := -\sqrt{4} + 3! \times (3+6!) = 6 \times (3 + 3!!) - \sqrt{4}.$
$4346 := \sqrt{4} + 3! \times (4+6!) = 6 \times (4 + 3!!) + \sqrt{4}.$
$4816 := 4^{(\sqrt{\sqrt{81}})!} + 6! = 6! + 1 \times 8^4.$
$4977 := (-\sqrt{4} + (\sqrt{9})!! - 7) \times 7 = \sqrt{(7! - 7 \times 9)^{\sqrt{4}}}.$
$4995 := (\sqrt{49})! - 9 \times 5 = -5 \times 9 + (9 - \sqrt{4})!.$
$5016 := -(5-0!)! + (1+6)! = (6+1)! - (-0!+5)!.$
$5027 := -\sqrt{5! + 0!} - 2 + 7! = 7! - 2 - \sqrt{0! + 5!}.$
$5029 := -\sqrt{5! + 0!} + (-2+9)! = (9-2)! - \sqrt{0! + 5!}.$
$5184 := \sqrt{(5+1)^8} \times 4 = 4! + (8-1)! + 5!.$
$5395 := -(5! - 3!!) \times 9 - 5 = -5 + 9 \times (3!! - 5!).$
$6719 := -(6 - (7+1)!)/(\sqrt{9})! = (-(\sqrt{9})! + (1+7)!)/6.$
$6768 := (6 + 7!/6) \times 8 = 8 \times (6 + 7!/6).$
$6835 := (6! + 8!)/3! - 5 = -5 + (3!! + 8!)/6.$
$6859 := (6 + 8 + 5)^{\sqrt{9}} = \sqrt{((\sqrt{9})! + 5 + 8)^6}.$
$6864 := (6! + 8!)/6 + 4! = 4! \times 6 + 8!/6.$
$7056 := (7 - 0!)^5 - 6! = 6^5 - (-0! + 7)!.$
$7193 := -7 + (1+9) \times 3!! = 3!! \times (9+1) - 7.$
$7235 := (7 + 2 \times 3!!) \times 5 = 5 \times (3!! \times 2 + 7).$
$7595 := 7 \times (5 + 9 \times 5!) = (5 + 9 \times 5!) \times 7.$
$8192 := 8^{1+\sqrt{9}} \times 2 = 2^{9+1} \times 8.$
$8648 := 8 + 6! \times (4+8) = (8+4) \times 6! + 8.$
$9599 := ((\sqrt{9})!! \times 5! - 9)/9 = (-9 + (\sqrt{9})!! \times 5!)/9.$

$10075 := (1+0!) \times (0+7)! - 5 = -5 + 7! \times (0 + 0! + 1).$
$10076 := (1+0!) \times (0! + 7!) - 6 = -6 + (7! + 0!) \times (0! + 1).$
$10079 := (1+0!) \times (0! + 7!) - \sqrt{9} = (\sqrt{9})!! \times 7 \times (0! + 0!) - 1.$
$10795 := -1 + (-0! + 7)! \times \sqrt{9} \times 5 = 5 \times (\sqrt{9} \times (7 - 0!)! - 1).$
$11528 := (1 + (1+5)! \times 2) \times 8 = 8 \times (2 \times (5+1)! + 1).$
$11544 := 1 \times (1 + 5! \times 4) \times 4! = 4! \times (4 \times 5! + 1) \times 1.$
$11957 := 11 \times (9 \times 5! + 7) = (7 + 5! \times 9) \times 11.$
$12544 := \sqrt{(-12 + 5! + 4)^4} = (-4 - 4 + 5!)^2 \times 1.$
$12974 := ((1+2)!! \times 9 + 7) \times \sqrt{4} = \sqrt{4} \times (7 + 9 \times (2+1)!!).$
$12994 := (-1 + (2 + (\sqrt{9})!!) \times 9) \times \sqrt{4} = \sqrt{4} \times (9 \times ((\sqrt{9})!! + 2) - 1).$
$13199 := -1 + (-3!! + (-1+9)!)/\sqrt{9} = (-(\sqrt{9})!! + (9-1)!)/3 - 1.$
$13392 := ((1+3)! + 3!!) \times 9 \times 2 = 2 \times (\sqrt{9})!^3 \times 31.$
$13433 := -1 - 3! + (\sqrt{4^3})!/3 = -3! + (3! + \sqrt{4})!/3 - 1.$
$13435 := (1+3+4)!/3 - 5 = -5 + (3! + \sqrt{4})!/3 \times 1.$
$13454 := 1 - 3 + (-4 + 5!)^{\sqrt{4}} = (-4+5!)^{\sqrt{4}} - 3 + 1.$
$13537 := 1 + 3!^5 + 3!! + 7! = 7! + 3!^5 + 3!! + 1.$
$13661 := (13+6) \times (6! - 1) = (-1 + 6!) \times (6 \times 3 + 1).$
$13822 := \sqrt{(1+3)!^{8-2}} - 2 = -2 + (\sqrt{2 \times 8})!^3 \times 1.$
$13825 := 1 + (3 \times 8)^{(-2+5)} = ((5-2) \times 8)^3 + 1.$
$13829 := -1 + 3! + (8/2)!^{\sqrt{9}} = (\sqrt{9})! + (\sqrt{2 \times 8})!^3 - 1.$
$14352 := 1 \times 4! \times (3!! - 5! - 2) = (-2 - 5! + 3!!) \times 4! \times 1.$
$14359 := -1 + (-\sqrt{4} + 3!!) \times 5!/(\sqrt{9})! = (\sqrt{9})!! \times 5!/3! - 41.$
$14365 := (-1 + 4 \times 3!! - 6) \times 5 = 5 \times (-6 + 3!! \times 4 - 1).$
$14376 := -1 \times 4! + 3 \times 7! - 6! = -6! + 7! \times 3 - 4! \times 1.$
$14545 := 1 + 4! + 5!^{\sqrt{4}} + 5! = 5!^{\sqrt{4}} + 5! + 4! + 1.$
$14637 := (1 - 4! + 6!) \times 3 \times 7 = 7 \times 3 \times (6! - 4! + 1).$
$14755 := (-1 + 4) \times (7! - 5!) - 5 = -5 + (-5! + 7!) \times (4 - 1).$
$15093 := ((\sqrt{-1 + 50})! - 9) \times 3 = -3 \times (9 - (0! + 5 + 1)!).$
$15117 := (1 - (5-1)) \times (1 - 7!) = (7! - 1) \times (-1 + 5 - 1).$
$15232 := (-1 + 5!) \times 2^{3!} \times 2 = 2^{3!} \times 2 \times (5! - 1).$
$15237 := -1 + 5! - 2 + 3 \times 7! = 7! \times 3 - 2 + 5! - 1.$
$15273 := (-1 + 52 + 7!) \times 3 = 3 \times ((\sqrt{7^2})! + 51).$
$15279 := (1 + 52 + 7!) \times \sqrt{9} = \sqrt{9} \times (7! + 2 + 51).$
$15359 := -1 + 5! \times (3 + 5^{\sqrt{9}}) = (\sqrt{9} + 5^3) \times 5! - 1.$
$15367 := (1 + 5!) \times (3!!/6 + 7) = (7 + 6!/3!) \times (5! + 1).$
$15488 := (1 + 5!) \times \sqrt{4} \times 8 \times 8 = 88^{\sqrt{4}} \times \sqrt{5 - 1}.$
$15505 := 1 \times 5^{5+0!} - 5! = 5^{0!+5} - 5! \times 1.$
$15552 := (15/5)!^5 \times 2 = (-2+5)!^5 \times \sqrt{5-1}.$
$15564 := ((1+5)^5 + 6) \times \sqrt{4} = \sqrt{4} \times (6^5 + 5 + 1).$
$15609 := (1 + 5!) \times ((6 - 0!)! + 9) = (9 + (-0! + 6)!) \times (5! + 1).$
$15619 := 1 + 5^6 - 1 - (\sqrt{9})! = ((\sqrt{9})! - 1)^6 - 5 - 1.$

$15623 := 1+5^{\sqrt{6^2}}-3 = (3+2)^6-\sqrt{5-1}.$

$15627 := -1+5^6+\sqrt{2+7} = (7-2)^6+\sqrt{5-1}.$

$15649 := 1\times 5^6+4\times(\sqrt{9})! = (9-4)^6+(5-1)!.$

$15654 := 1\times 5^6+5+4! = 4!+5^6+5\times 1.$

$15745 := 1\times 5^{(7-4)!}+5! = 5!+(\sqrt{4}-7)^{5+1}.$

$15763 := \sqrt{1+5!}\times(-7+6!+3!!) = (3!!+6!-7)\times\sqrt{5!+1}.$

$15864 := (-1-58+6!)\times 4! = 4!\times(6!-8-51).$

$15928 := \sqrt{1+5!}\times((\sqrt{9})!!\times 2+8) = (8+2\times(\sqrt{9})!!)\times\sqrt{5!+1}.$

$15939 := \sqrt{1+5!}\times(9^3+(\sqrt{9})!!) = (9^3+(\sqrt{9})!!)\times\sqrt{5!+1}.$

$15967 := (1+5!+\sqrt{9}\times 6!)\times 7 = 7\times(6!\times\sqrt{9}+5!+1).$

$16346 := 1+6!+(3+\sqrt{4})^6 = 6!+(\sqrt{4}+3)^6+1.$

$16377 := (1+6-3)^7-7 = -7+(7-3)^{6+1}.$

$16564 := -1-6!+5+6!\times 4! = 4!\times 6!+5-6!-1.$

$16992 := (\sqrt{16})!\times((\sqrt{9})!!-(\sqrt{9})!\times 2) = 2\times((\sqrt{9})!!+(\sqrt{9})!^{(6-1)}).$

$17039 := -1+\sqrt{7!+0!}\times 3!!/\sqrt{9} = (\sqrt{9})!!/3\times\sqrt{0!+7!}-1.$

$17064 := (-1-7-0!+6!)\times 4! = 4!\times(6!-0!-7-1).$

$17136 := (\sqrt{17-1})!\times(3!!-6) = (6!-3!)\times(\sqrt{17-1})!.$

$17248 := (-1+(\sqrt{7+2})!!)\times 4!-8 = -8+(4!\times((\sqrt{2+7})!!-1)).$

$17253 := \sqrt{1+7!}\times(2\times 5!+3) = 3\sqrt{5^2}\times 71.$

$17264 := -(1+7)\times 2+6!\times 4! = 4!\times 6!-2\times(7+1).$

$17294 := 1\times 7\times 2+(\sqrt{9})!!\times 4! = 4!\times(\sqrt{9})!!+2\times 7\times 1.$

$17296 := (1+7)\times(2+\sqrt{9}\times 6!) = (6!\times\sqrt{9}+2)\times(7+1).$

$17304 := (1^7+3!!+0)\times 4! = 4\times(0!+3!!)\times(7-1).$

$17351 := \sqrt{1+7!}+3!!\times(5-1)! = (-1+5)!\times 3!!+71.$

$17395 := (5+(\sqrt{9})!!/3)\times 71 = \sqrt{1+7!}\times(3!!/\sqrt{9}+5).$

$17424 := \sqrt{((-1+7)\times(4!-2))^4} = 4!\times(2+4+(7-1)!).$

$17527 := 1\times 7^5+(\sqrt{2+7})!! = 7^{\sqrt{25}}+(7-1)!.$

$17925 := ((-1+7)!-\sqrt{9})\times 25 = 5\times(2^9\times 7+1).$

$17994 := 1-7+(\sqrt{9})!!+(\sqrt{9})!!\times 4! = 4!\times(\sqrt{9})!!+(\sqrt{9})!!-7+1.$

$17995 := (1+(\sqrt{7+9})!)\times(\sqrt{9})!!-5 = -5+(\sqrt{9})!!\times((\sqrt{9+7})!+1).$

$17997 := (-1+7!-(\sqrt{9})!!)\times\sqrt{9}+7! = 7!-\sqrt{9}\times((\sqrt{9})!!-7!+1).$

$18025 := ((\sqrt{1+8})!!+0!)\times 25 = 5^2\times(0!+(\sqrt{\sqrt{81}})!!).$

$18642 := (-\sqrt{1+8}+6!)\times(4!+2) = (2+4!)\times(6!-\sqrt{\sqrt{81}}).$

$18963 := \sqrt{(18+9)^6}-3!! = -3!!+(-6+9)^{\sqrt{81}}.$

$18969 := \sqrt{(1+8)^9}-6!+(\sqrt{9})! = (\sqrt{9})!-6!+\sqrt{9^{\sqrt{81}}}.$

$19395 := 1\times 9\times 3\times(\sqrt{9})!!-5 = (-5+\sqrt{9}\times 3!!)\times 9\times 1.$

$19443 := (1+9\times(4+\sqrt{4})!)\times 3 = 3\times((4+\sqrt{4})!\times 9+1).$

$19464 := 1\times(\sqrt{9}+4!)\times 6!+4! = 4!\times 6!+4!\times 91.$

$19467 := (1+(\sqrt{9})!!)\times\sqrt{\sqrt{4}+6!+7} = \sqrt{7+6!+\sqrt{4}}\times((\sqrt{9})!!+1).$

$20157 := -2-0!+(-1+5)\times 7! = 7!\times(5-1)-0!-2.$

$20184 := (2^{0!+1})!+8!/\sqrt{4} = 4!+8!/(1\times 0+2).$

$20495 := (\sqrt{2^{0+4!}}+\sqrt{9})\times 5 = 5\times(\sqrt{9}+4^{(0!+2)!}).$

$20734 := -2+(-0!+7+3!)^4 = \sqrt{(4\times 3)^{7+0!}}-2.$

$21575 := (-(2+1)!!-5+7!)\times 5 = 5\times(7!-5-(1+2)!!).$

$21595 := 2\times 15\times(\sqrt{9})!!-5 = -5+(\sqrt{9})!!\times 5\times(1+2)!.$

$21596 := 2+(-1+5\times(\sqrt{9})!!)\times 6 = 6\times((\sqrt{9})!!\times 5-1)+2.$

$21605 := ((2+1)!\times 6!+0!)\times 5 = 5\times(0!+6\times(1+2)!!).$

$22968 := (2\times 2)!\times(-\sqrt{9}-6!)+8! = 8!-(6!+\sqrt{9})\times(2\times 2)!.$

$22984 := (2+(-2+(\sqrt{9})!!)\times 8)\times 4 = 4\times(8\times((\sqrt{9})!!-2)+2).$

$23035 := (2+30)\times 3!!-5 = -5+3!!\times(0+32).$

$23038 := -2+(3+0!)\times 3!!\times 8 = 8\times(3+0!)\times 3!!-2.$

$23064 := (2+30)\times 6!+4! = 4!+6!\times(0+32).$

$23136 := 2^{3!-1}\times(3+6!) = (6!+3)\times 1\times 32.$

$23323 := -2+3!^{3!}/2-3 = -3-2+3!^{3!}/2.$

$23325 := 2+3!^{3!}/2-5 = -5+2+3!^{3!}/2.$

$23326 := -2+3!^{3!}/\sqrt{-2+6} = 6^{2+3}\times 3-2.$

$23329 := -2+3!^{3!}/2+\sqrt{9} = \sqrt{9}-2+3!^{3!}/2.$

$23392 := (2+9^3)\times 32 = 2^{3!}+3!^{(\sqrt{9})!}/2.$

$23664 := (-2+36)\times(6!-4!) = (-4!+6!)\times(6\times 3!-2).$

$23758 := -2+3!!\times(-7+5\times 8) = (8\times 5-7)\times 3!!-2.$

$23856 := (\sqrt{2^{3\times 8}}-5!)\times 6 = 6\times(-5!+8^{3!-2}).$

$24276 := (2+4!^2)\times 7\times 6 = 6\times 7\times(2+4!^2).$

$24336 := (2+4!)\times(3!^3+6!) = ((6+33)\times 4)^2.$

$24384 := (2^{4+3!}-8)\times 4! = 4!\times(8^3-4)\times 2.$

$24576 := (-2+4)^{5+7}\times 6 = 6\times(7-5)^{4!/2}.$

$24624 := (2^{4+6}+2)\times 4! = 4!\times(2^{6+4}+2).$

$24975 := (-2\times 4!+\sqrt{9}+7!)\times 5 = 5\times(7!-\sqrt{9}-42).$

$25075 := (-25+(0+7)!)\times 5 = 5\times(7!+0-5^2).$

$25165 := ((2+5)!-1-6)\times 5 = 5\times(6!-1)\times(5+2).$

$25183 := -2+5\times((-1+8)!-3) = (-3+(8-1)!)\times 5-2.$

$25185 := (2-5+(-1+8)!)\times 5 = 5\times((8-1)!-5+2).$

$25187 := 2+5\times(-\sqrt{1+8}+7!) = (7!-\sqrt{\sqrt{81}})\times 5+2.$

$25189 := -2+5\times(-1+8)!-9 = -9+(8-1)!\times 5-2.$

$25192 := 2+5\times((1+(\sqrt{9})!)!-2) = (-2+((\sqrt{9})!+1)!)\times 5+2.$

$25196 := 2+5\times(1+(\sqrt{9})!)!-6 = -6+((\sqrt{9})!+1)!\times 5+2.$

$25198 := -2+5\times(-1^9+8)! = 8!/(9-1)\times 5-2.$

$25199 := 2+5\times(1+(\sqrt{9})!)!-\sqrt{9} = -\sqrt{9}+((\sqrt{9})!+1)!\times 5+2.$

$25207 := 2+5\times((2\times 0)!+7!) = (7!+0!)\times\sqrt{25}+2.$

$25208 := -2+5\times(2+(-0!+8)!) = ((8-0!)!+2)\times 5-2.$

$25217 := 2+5\times(2+1+7!) = (7!+1+2)\times 5+2.$

$25335 := ((2+5)!+3^3)\times 5 = 5\times(3^3+(5+2)!).$

$25337 := 2+5\times(3^3+7!) = (7!+3^3)\times 5+2.$

$25775 := (2+5!-7+7!)\times 5 = 5\times(7!-7+5!+2).$

$25918 := -2-5!^{\sqrt{9}-1}+8! = (\sqrt{81})!/(9+5)-2.$

$25932 := (-2+5)!\times((\sqrt{9})!\times 3!!+2) = (2+3!\times(\sqrt{9})!!)\times(5-2)!.$

$25945 := 25+9\times 4!\times 5! = 5!\times 4!\times 9+5^2.$

$26244 := (2\times(6/2)^4)^{\sqrt{4}} = (4\times 42-6)^2.$

$26354 := 2+6^3\times(5!+\sqrt{4}) = (\sqrt{4}+5!)\times\sqrt{3!^6}+2.$

$26494 := (2+6)!-4!^{\sqrt{9}}-\sqrt{4} = (\sqrt{4^{\sqrt{9}}})!-\sqrt{4!^6}-2.$

$26864 := (2-6+8!/6)\times 4 = 4\times(-6+8!/6+2).$

$26868 := 2\times(-6-8!/6)+8! = 8!-(6+8!/6)\times 2.$

$27646 := 2\times(-7+6+\sqrt{4!^6}) = (6+\sqrt{4!^6}-7)\times 2.$

$27744 := 4!+(4+7)\times 7!/2 = \sqrt{(27+7)^4}\times 4!.$

$28224 := (2+82)^2\times 4 = 42^2\times 8\times 2.$

$28559 := -2+(8+5)^{(-5+9)} = \sqrt{(\sqrt{9}+5+5)^8}-2.$

$28795 := (2+8!/7-\sqrt{9})\times 5 = -5-9!/7+8!\times 2.$

$28798 := -2 - 8!/7 \times (\sqrt{9} - 8) = 8! - 9!/7 + 8! - 2.$

$28805 := ((-2 + 8)! \times 8 + 0!) \times 5 = 5 \times (0! + 8 \times (8 - 2)!).$

$29476 := -2 + (\sqrt{9})! \times \sqrt{(4! - 7)^6} = 6 \times (-7 + 4!)^{\sqrt{9}} - 2.$

$29496 := ((-2 + 9)! - 4) \times (\sqrt{9})! - 6! = -6! + (\sqrt{9})! \times (-4 + (9 - 2)!).$

$29518 := -2 + (\sqrt{9})! \times (-5! + (-1 + 8)!) = 8! - 15 \times (\sqrt{9})!! - 2.$

$29576 := 2 + (9 - 5! + 7!) \times 6 = 6 \times (7! - 5! + 9) + 2.$

$29584 := \sqrt{(-2 + \sqrt{9} \times 58)^4} = (4 \times (8 \times 5 + \sqrt{9}))^2.$

$29791 := ((-2 + (\sqrt{9})!)! + 7)^{\sqrt{9}} \times 1 = \sqrt{((1 + \sqrt{9})! + 7)^{\sqrt{9} \times 2}}.$

$29976 := (-2 + (-(\sqrt{9})! + (\sqrt{9})!!) \times 7) \times 6 = 6 \times (7 \times ((\sqrt{9})!! - (\sqrt{9})!) - 2).$

$30096 := ((3! + 0!)! - (0! + \sqrt{9})!) \times 6 = 6 \times (((\sqrt{9})! + 0!)! - (0! + 3)!).$

$30186 := ((3! + 0!)! - 1 - 8) \times 6 = -6 \times (\sqrt{81} - (0! + 3!)!).$

$30228 := ((3! + 0!)! - 2) \times (-2 + 8) = (8 - 2) \times (-2 + (0! + 3!)!).$

$30252 := (2 + (5 + 2)!) \times (0 + 3)! = 3! \times (0 + 2 + (5 + 2)!).$

$30274 := 3! \times ((0! + 2)! + 7!) - \sqrt{4} = -\sqrt{4} + (7! + (2 + 0!)!) \times 3!.$

$30288 := 3! \times ((0! - 2 + 8)! + 8) = (8 + (8 - (2 \times 0)!)!) \times 3!.$

$30354 := 3! \times ((0! + 3!)! - 5 + 4!) = (4! - 5 + (3! + 0!)!) \times 3!.$

$30372 := 3! \times ((0! + 3)! + 7! - 2) = (-2 + 7! + (3 + 0!)!) \times 3!.$

$30377 := 3! \times ((0! + 3)! + 7!) - 7 = -7 + (7! + (3 + 0!)!) \times 3!.$

$30384 := (-30 + \sqrt{3!^8}) \times 4! = (4! + (8 - (3 \times 0)!)!) \times 3!.$

$30947 := 3!! - 0! + (\sqrt{9})! \times (-\sqrt{4} + 7!) = (7! - \sqrt{4}) \times (\sqrt{9})! - 0! + 3!!.$

$30955 := 3!! + (0! + 9)!/5! - 5 = -5 + 5! + ((\sqrt{9})! + 0!)! \times 3!.$

$30972 := 3!! - 0 + (\sqrt{9})! \times (7! + 2) = (2 + 7!) \times (\sqrt{9})! - 0 + 3!!.$

$31995 := (3!! - 1 \times 9) \times 9 \times 5 = -5 \times 9 \times (9 - 1 \times 3!!).$

$32048 := -3!! + \sqrt{2^{0+4!}} \times 8 = 8^{4+0!} - (2 \times 3)!.$

$32256 := (3! - 2)!^2 \times 56 = (6 + 5!) \times 2^{(2^3)}.$

$32394 := -3 \times (2 + 3!! \times (9 - 4!)) = ((4! - 9) \times 3!! - 2) \times 3.$

$32448 := 3! \times (2 + 4!)^{\sqrt{4}} \times 8 = (8 + 4 \times 4!)^2 \times 3.$

$32538 := 8! - 3!^5 - 2 \times 3 = -(3 \times 2)^5 - 3! + 8!.$

$32544 := -(3 \times 2)^5 + (4 + 4)! = 4! \times 452 \times 3.$

$32744 := 32^{7-4} - 4! = 4 \times (4^7/2 - 3!).$

$32762 := (2 + 6)^{7-2} - 3! = -3! + 2^{(7+6+2)}.$

$32771 := (1 + 7)^{7-2} + 3 = 3 + 2^{(7+7+1)}.$

$32805 := \sqrt{3^{2\times 8}} \times (0 + 5) = 5 \times \sqrt{(0! + 8)^{(2^3)}}.$

$32835 := (\sqrt{3^{2\times 8}} + 3!) \times 5 = 5 \times (3^8 + 2 \times 3).$

$33144 := (3!! + 3!!) \times (-1 + 4!) + 4! = 4! + (4! - 1) \times (3!! + 3!!).$

$33494 := 3! + 3!! + \sqrt{4^{-9+4!}} = \sqrt{4^{-9+4!}} + 3!! + 3!.$

$33495 := (3 + (3!! + 4!) \times 9) \times 5 = 5 \times (9 \times (4! + 3!!) + 3).$

$33595 := (-3! + (3 + 5)!)/(\sqrt{9})! \times 5 = 5 \times ((\sqrt{9} + 5)! - 3!)/3!.$

$33839 := -3/3 + 8! - 3!! \times 9 = -9 \times 3!! + 8! - 3/3.$

$33852 := (2 - 5! + 8 \times 3!!) \times 3! = 3! \times (3!! \times 8 - 5! + 2).$

$33981 := (3 + 3!!) \times ((\sqrt{9})! \times 8 - 1) = (-1 + 8 \times (\sqrt{9})!) \times (3 + 3!!).$

$34224 := (3!! + 4!) \times (22 + 4!) = (4! + 22) \times (4! + 3!!).$

$34269 := -3 + 4! \times 2 \times (6! - (\sqrt{9})!) = ((\sqrt{9})!! - 6) \times 2 \times 4! - 3.$

$34377 := (-3 \times 43 + 7!) \times 7 = 7 \times (7! - 3 \times 43).$

$34432 := (3!! \times 4! - 4^3) \times 2 = 2 \times (3!! \times 4! - 4^3).$

$34454 := ((3!! - \sqrt{4}) \times 4! - 5) \times \sqrt{4} = \sqrt{4} \times (-5 + 4! \times (-\sqrt{4} + 3!!)).$

$34494 := (3!! \times 4! - 4! - 9) \times \sqrt{4} = \sqrt{4} \times (-9 - 4! + 4! \times 3!!).$

$34512 := (3!! \times 4! - (5 - 1)!) \times 2 = 2 \times (-(-1 + 5)! + 4! \times 3!!).$

$34528 := (-3!! - 4 + (5 + 2)!) \times 8 = 8 \times ((2 + 5)! - 4 - 3!!).$

$34536 := 3! \times (-4 + (5 + 3) \times 6!) = (6! \times (3 + 5) - 4) \times 3!.$

$34544 := (3 \times 4! \times 5! - 4) \times 4 = 4 \times (-4 + 5! \times 4! \times 3).$

$34602 := (-3 + 4! \times (6! + 0!)) \times 2 = 2 \times ((0! + 6!) \times 4! - 3).$

$34629 := -3 + 4! \times (6! \times 2 + \sqrt{9}) = (\sqrt{9} + 2 \times 6!) \times 4! - 3.$

$34648 := (3!! + 4 + 6!) \times 4! - 8 = -8 + 4! \times (6! + 4 + 3!!).$

$34686 := (-3 + 4! + 6! \times 8) \times 6 = 6 \times (8 \times 6! + 4! - 3).$

$34702 := (3!! \times 4! + \sqrt{7! + 0!}) \times 2 = 2 \times (\sqrt{0! + 7!} + 4! \times 3!!).$

$34704 := ((4 - 0!)!! + 7! + 4!) \times 3! = (3! + \sqrt{4} \times (7 - 0!)!) \times 4!.$

$34728 := (3!! \times \sqrt{4} + 7) \times (\sqrt{2 \times 8})! = (8/2)! \times (7 + \sqrt{4} \times 3!!).$

$34734 := 3! + 4! \times (7 + 3!! \times \sqrt{4}) = (\sqrt{4} \times 3!! + 7) \times 4! + 3!.$

$34774 := (-3 \times 4! + 7!) \times 7 - \sqrt{4} = -\sqrt{4} + 7 \times (7! - 4! \times 3).$

$34797 := (-3 \times 4! + 7! + \sqrt{9}) \times 7 = 7 \times (\sqrt{9} + 7! - 4! \times 3).$

$34944 := (3!! + \sqrt{4^{\sqrt{9}}}) \times \sqrt{4} \times 4! = \sqrt{4} \times 4! \times ((\sqrt{9})!! + \sqrt{4^3}).$

$34968 := -3! \times (4 - \sqrt{9^6} \times 8) = (8 \times (6! + 9) - 4) \times 3!.$

$35272 := 3! + (5 + 2) \times (7! - 2) = (-2 + 7!) \times (2 + 5) + 3!.$

$35304 := (3 + 5)! - (3! + 0!)! + 4! = 4! - (0! + 3!)! + (5 + 3)!.$

$35424 := (3 + 5!) \times 4!/2 \times 4! = 4!/2 \times 4! \times (5! + 3).$

$36025 := (3!! + 6! + 0!) \times 25 = 5^2 \times (0! + 6! + 3!!).$

$36224 := (\sqrt{36} + 2)! - \sqrt{2^{4!}} = (4 \times 2)! - (-2 + 6)^{3!}.$

$36585 := -(3 + 6!) \times 5 + 8! - 5! = -5! + 8! - 5 \times (6! + 3).$

$36744 := 3 \times 6! \times (-7 + 4!) + 4! = 4! + (4! - 7) \times 6! \times 3.$

$36757 := (\sqrt{3!^6} + 7! - 5) \times 7 = -7 \times (5 - 7! - 6^3).$

$36792 := (\sqrt{3!^6} + 7!) \times (9 - 2) = (-2 + 9) \times (7! + 6^3).$

$36798 := -3 + 6 \times 7! + \sqrt{9^8} = 8! - 9! \times 7/6! + 3!.$

$36882 := (3 + 6) \times (\sqrt{8^8} + 2) = (2 + \sqrt{8^8}) \times (6 + 3).$

$37044 := (3 \times 7)^{0!+\sqrt{4}} \times 4 = 4 \times ((4 - 0!) \times 7)^3.$

$37296 := 37 \times 2 \times 9!/6! = 6^{(\sqrt{9})!} - 2 \times 7! + 3!!.$

$37344 := (3!! \times (7 + 3!) - 4!) \times 4 = 4 \times (-4! + 3!! \times (7 + 3!)).$

$37424 := (-3!! + (7! - \sqrt{4}) \times 2) \times 4 = 4 \times (2 \times (-\sqrt{4} + 7!) - 3!!).$

$37435 := (3 + \sqrt{7^4}) \times 3!! - 5 = -5 + 3!! \times 4 \times (7 + 3!).$

$37748 := (-3!! + 77) \times 4 + 8! = 8! + 4 \times (77 - 3!!).$

$38148 := -3 \times ((\sqrt{\sqrt{81}})!! + 4) + 8! = 8! + (-4 - (\sqrt{1 + 8})!!) \times 3.$

$38184 := -3 \times (\sqrt{\sqrt{81}})!! + 8! + 4! = 4! + 8! - \sqrt{1 + 8} \times 3!!.$

$38368 := -3!! - 8^3 - 6! + 8! = 8! - 6! - 3!! - 8^3.$

$38398 := -(3! + 8 \times 3!!)/\sqrt{9} + 8! = 8! - ((\sqrt{9})! + 3!! \times 8)/3.$

$38525 := 3!! - 8! + 5^{2+5} = 5^{2+5} - 8! + 3!!.$

$38598 := 3! \times (-8 - 5! + \sqrt{9^8}) = 8! - (\sqrt{9} + 5!) \times (8 + 3!).$

$38637 := -3 + 8! - 6!/3 \times 7 = -7!/3 - 6 + 8! + 3.$

$38688 := -3 \times 8 \times 68 + 8! = 8! - 8 \times 68 \times 3.$

$38848 := -(3!! + 8 + 8) \times \sqrt{4} + 8! = 8! - \sqrt{4} \times (8 + 8 + 3!!).$

$38948 := -(3! + 8)^{\sqrt{9}}/\sqrt{4} + 8! = 8! - \sqrt{\sqrt{4} \times 98^3}.$

$38955 := -3!! + 8! - (9 + 5!) \times 5 = -5 \times (5! + 9) + 8! - 3!!.$

$38998 := -(3 + 8)^{\sqrt{9}} + 9 + 8! = 8! + 9 - (\sqrt{9} + 8)^3.$

$39024 := 3! \times (9 \times (0! + 2)!! + 4!) = (4! + (2 + 0!)!! \times 9) \times 3!.$

$39048 := (-3! \times 9 + 0!) \times 4! + 8! = 8! + 4! \times (0! - 9 \times 3!).$

$39258 := 3 \times \sqrt{9} \times (2 - 5!) + 8! = 8! - (5! - 2) \times \sqrt{9} \times 3.$

$39347 := (3^9 - 3!) \times \sqrt{4} - 7 = -7 + \sqrt{4} \times (3^9 - 3!).$

$39364 := 3^9/3 \times 6 - \sqrt{4} = -\sqrt{4} + 6 \times 3^9/3.$

$39374 := (3^9 - 3 + 7) \times \sqrt{4} = \sqrt{4} \times (7 + 3^9 - 3).$

$39448 := (-(3!^{\sqrt{9}} + \sqrt{4}) \times 4 + 8!) = 8! - 4 \times (\sqrt{4} + (\sqrt{9})!^3).$

$39468 := -\sqrt{(3! + (\sqrt{9})!!) \times 4!} - 6! + 8! = 8! - \sqrt{6 \times (4! + 9!/3)}.$

$39528 := -3!! + (-9 + (5 + 2)!) \times 8 = 8 \times ((2 + 5)! - 9) - 3!!.$

$39538 := -3^{(\sqrt{9})!} - 53 + 8! = 8! - 3!! - 59 - 3.$

$39546 := -3! \times (9 + 5!) + (\sqrt{4} + 6)! = (\sqrt{64})! - (5! + 9) \times 3!.$

$39548 := -3! \times (9 + 5!) + \sqrt{4} + 8! = 8! + \sqrt{4} - (5! + 9) \times 3!.$

$39568 := -3 \times 9 - 5 - 6! + 8! = 8! - 6! - 5 - 9 \times 3.$

$39655 := (3/\sqrt{9} + 6!) \times 55 = 55 \times (6! + \sqrt{9}/3).$

$39784 := -3!!/9 \times 7 + 8! + 4! = 4! + 8! - 7!/(\sqrt{9} \times 3).$

$39789 := 3 \times 9 \times 7 + 8! - (\sqrt{9})!! = -(\sqrt{9})!! + 8! + 7 \times 9 \times 3.$

$39798 := 3! \times (9!/7! + \sqrt{9^8}) = 8! - \sqrt{((\sqrt{9})! + 7!) \times 9 \times 3!}.$

$39808 := -(3!/\sqrt{9})^{8+0!} + 8! = 8! + 0 - 8^{9/3}.$

$39828 := (3 - 9) \times 82 + 8! = (-82 + 8!/(\sqrt{9})!) \times 3!.$

$39837 := ((3!! - 9) \times 8 + 3) \times 7 = 7 \times (3 + 8 \times (-9 + 3!!)).$

$39858 := -3! \times (9 \times 8 + 5) + 8! = 8! - (5 + 8 \times 9) \times 3!.$

$39864 := 3!!/\sqrt{9} + 8! - 6! + 4! = 4! - 6! + 8! + (\sqrt{9})!!/3.$

$39884 := -3! \times 9 \times 8 + 8! - 4 = -4 + 8! - 8 \times 9 \times 3!.$

$39896 := 3!!/9 + 8! - 9!/6! = 6!/9 + 8! - 9!/3!!.$

$39948 := (3! - 99) \times 4 + 8! = 8! - 4 \times (99 - 3!).$

$39988 := -3! \times 9 \times (\sqrt{9})! + 8! - 8 = 8! - 8 - (\sqrt{9})! \times 9 \times 3!.$

$40175 := -4! - 0! + (1 + 7)! - 5! = -5! + (7 + 1)! - 0! - 4!.$

$40178 := -\sqrt{4 \times (0 + 1 + 7!)} + 8! = 8! + 71 \times (0 - \sqrt{4}).$

$40195 := -(4 + 0!)! + (-1 + 9)! - 5 = -5^{\sqrt{9}} + (10 - \sqrt{4})!.$

$40258 := \sqrt{4} \times (0! - 2^5) + 8! = 8! - 5!/2 + 0 - \sqrt{4}.$

$40268 := -40 - 2 \times 6 + 8! = 8! - (6 + 20) \times \sqrt{4}.$

$40272 := 4 \times (-(0! + 2)! + 7!) \times 2 = 2 \times (7! - (2 + 0!)!) \times 4.$

$40276 := 4 \times (0! + 2 \times (7! - 6)) = ((-6 + 7!) \times 2 + 0!) \times 4.$

$40296 := -4! - 0 + (2^{9-6})! = ((-6 + 9)^2 - 0!)! - 4!.$

$40312 := 4 \times ((0! + 3!)! - 1) \times 2 = 2 \times ((1 + 3!)! - 0!) \times 4.$

$40334 := \sqrt{4} \times (0! + 3!) + (3! + \sqrt{4})! = (\sqrt{4^3})! + (3! + 0!) \times \sqrt{4}.$

$40335 := (4 + 0!) \times 3 + (3 + 5)! = (5 + 3)! + 30/\sqrt{4}.$

$40345 := 4! + 0! + (\sqrt{\sqrt{3^4}} + 5)! = \sqrt{5^4} + (3 + 0! + 4)!.$

$40372 := 4 \times (0! + (3! + 7!) \times 2) = (2 \times (7! + 3!) + 0!) \times 4.$

$40395 := (4! + 0!) \times 3 + (\sqrt{9} + 5)! = (5 + \sqrt{9})! + 3 \times (0! + 4!).$

$40465 := 4! + 0! + (\sqrt{4} + 6)! + 5! = 5! + (\sqrt{64})! + 0! + 4!.$

$40528 := 4 \times (0 + 52) + 8! = 8! + (2 + 50) \times 4.$

$40536 := (40/5)! + \sqrt{3!^6} = 6^3 + (5 - 0! + 4)!.$

$40538 := \sqrt{4} + (0! + 5)^3 + 8! = 8! + 3^5 - 0! - 4!.$

$40548 := (-(4 - 0!)! + 5!) \times \sqrt{4} + 8! = 8! + \sqrt{4} \times (5! - (0! + \sqrt{4})!).$

$40562 := \sqrt{4} \times (0! + 5!) + (6 + 2)! = (2 + 6)! + (5! + 0!) \times \sqrt{4}.$

$40568 := \sqrt{4} \times (0! + 5!) + 6 + 8! = 8! + 6 + (5! + 0!) \times \sqrt{4}.$

$40582 := 4! \times \sqrt{0! + 5!} + 8! - 2 = -2 + 8! + \sqrt{5! + 0!} \times 4!.$

$40698 := ((4 + 0!)! + 6) \times \sqrt{9} + 8! = 8! + \sqrt{9} \times (6 + (0! + 4)!).$

$40838 := (4 - 0!)! + 8^3 + 8! = 8! + 3! + 8^{0!+\sqrt{4}}.$

$40986 := -(4 - 0!)! \times 9 + 8! + 6! = 6! + 8! - 9 \times (0! + \sqrt{4})!.$

$41035 := (-\sqrt{4} + 10)! + 3!! - 5 = -5 + 3!! + ((0! + 1) \times 4)!.$

$41348 := 4^{(-1+3!)} + 4 + 8! = 8! + 4^{3!-1} + 4.$

$41398 := -\sqrt{4} + (-1 + 3!)! \times 9 + 8! = 8! + 9 \times (3! - 1)! - \sqrt{4}.$

$41736 := (4 + 1)! - 7! + 3!^6 = 6^{3!} - 7! + (1 + 4)!.$

$41762 := \sqrt{4} + (1 + 7)! + 6! \times 2 = 2 \times 6! + (7 + 1)! + \sqrt{4}.$

$41764 := 4 + (1 + 7)! + 6! \times \sqrt{4} = \sqrt{4} \times 6! + (7 + 1)! + 4.$

$41784 := \sqrt{4} \times (-1 + 7)! + 8! + 4! = 4! + 8! + (7 - 1)! \times \sqrt{4}.$

$42456 := -4! + (\sqrt{\sqrt{2^{4!}}} - 5) \times 6! = 6! \times (5! - \sqrt{4})/2 - 4!.$

$42648 := (4!^2 + 6) \times 4 + 8! = 8! + (9 + 4!)^2 \times \sqrt{4}.$

$42768 := (4! + 2 + 7) \times \sqrt{6^8} = 8! + 6! + 72 \times 4!.$

$43196 := -4 + 3!! \times (1 + 9) \times 6 = 6 \times (9 + 1) \times 3!! - 4.$

$43203 := ((\sqrt{4} + 3)!^2 + 0!) \times 3 = 3 \times (0! + (2 + 3)!^{\sqrt{4}}).$

$43204 := (4 + 0!)!^2 \times 3 + 4 = 4 + 3!!/2 \times (0! + 4)!.$

$43356 := -4! + (3 + 3!!) \times \sqrt{5 \times 6!} = \sqrt{(6! \times 5) \times (3 + 3!!)} - 4!.$

$43536 := -4! + \sqrt{3!! \times 5} \times (3! + 6!) = (6 + 3!!) \times \sqrt{5 \times 3!!} - 4!.$

$43676 := (-4 + 3!!) \times (67 - 6) = (67 - 6) \times (3!! - 4).$

$43769 := -4 \times 3!! - 7 + 6^{(\sqrt{9})!} = (\sqrt{9})!^6 - 7 - 3!! \times 4.$

$43915 := (\sqrt{4^3})! + ((\sqrt{9})!! - 1) \times 5 = 5 \times (-1 + (\sqrt{9})!!) + (3! + \sqrt{4})!.$

$43918 := -\sqrt{4} + 3!! \times ((\sqrt{9})! - 1) + 8! = 8! + (-1 + (\sqrt{9})!) \times 3!! - \sqrt{4}.$

$43935 := (\sqrt{4^3})! + (\sqrt{9} + 3!!) \times 5 = 5 \times (3 + (\sqrt{9})!!) + (3! + \sqrt{4})!.$

$43944 := 4! - 3!! \times \left(\sqrt{9} - \sqrt{\sqrt{\sqrt{4^{4!}}}}\right) = \left(\sqrt{\sqrt{\sqrt{4^{4!}}}} - \sqrt{9}\right) \times 3!! + 4!.$

$44635 := (4 + 4)! + 6 \times 3!! - 5 = -5 + 3!! \times (64 - \sqrt{4}).$

$44764 := \sqrt{4} \times (4! + 7) \times (6! + \sqrt{4}) = (\sqrt{4} + 6!) \times (7 + 4!) \times \sqrt{4}.$

$44896 := 4^4 + 8! + (\sqrt{9})! \times 6! = -6! + 9!/8 + 4^4.$

$44942 := (4 - 4! \times 9)^{\sqrt{4}} - 2 = -2 + (-4 + 9 \times 4!)^{\sqrt{4}}.$

$45056 := 4^{5+0!} \times (5 + 6) = (6 + 5) \times \sqrt{\sqrt{(-0! + 5)^4!}}.$

$45099 := (-4! - 5 + (0! + (\sqrt{9})!)!) \times 9 = 9 \times (((\sqrt{9})! + 0!)! - 5 - 4!).$

$45189 := (-4! + 5 + (-1 + 8)!) \times 9 = 9 \times ((8 - 1)! + 5 - 4!).$

$45306 := ((6 + 0!)! - 3!) \times (5 + 4) = (4 + 5) \times ((3! + 0!)! - 6).$

$45315 := (4 + 5) \times ((3! + 1)! - 5) = (-5 + (1 + 3!)!) \times (5 + 4).$

$45319 := 4 + (-5 + (3! + 1)!) \times 9 = 9 \times ((1 + 3!)! - 5) + 4.$

$45336 := -4! + (\sqrt{5 \times 3!!} + 3) \times 6! = 63 \times 3! \times 5! - 4!.$

$45355 := (4 + 5)!/(3 + 5) - 5 = -5 + (5! + 3!!) \times 54.$

$45356 := -4 + 5! \times 3 \times (5! + 6) = (6 + 5!) \times 3 \times 5! - 4.$

$45373 := -\sqrt{4} + (5 + 3 \times 7!) \times 3 = 3 \times (7! \times 3 + 5) - \sqrt{4}.$

$45375 := \sqrt{4 + 5} \times (3 \times 7! + 5) = (5 + 7! \times 3) \times \sqrt{5 + 4}.$

$45377 := 4! + (5 + 3)! + 7! - 7 = 7! - 7 + (3 + 5)! + 4!.$

$45395 := (\sqrt{4} + 5) \times (3!! \times 9 + 5) = (5 + 9 \times 3!!) \times (5 + \sqrt{4}).$

$45632 := -4^5 + 6^{3 \times 2} = 2^{3!} \times (6! - 5 - \sqrt{4}).$

$45927 := ((4 + 5) \times 9)^2 \times 7 = 7 \times ((2 - (\sqrt{9})! - 5)^4.$

$45958 := -\sqrt{4} - 5! + (\sqrt{9})!! \times 5! - 8! = -8! - 5! + (\sqrt{9})!! \times 5! - \sqrt{4}.$

$45964 := 4 - 5! + (\sqrt{9})!! \times 64 = \sqrt{4^6} \times (\sqrt{9})!! - 5! + 4.$

$45984 := (4! \times 5! - (\sqrt{9})!) \times 8 \times \sqrt{4} = \sqrt{4} \times 8 \times (-(\sqrt{9})! + 5! \times 4!).$

$45985 := ((\sqrt{4} + 5)! + 9!)/8 - 5 = \sqrt{5^8} + 9 \times (5 + \sqrt{4})!.$

$46016 := -(4 + 60) \times (1 - 6!) = (6! - 1) \times (0 + 64).$

$46048 := (\sqrt{4} \times 6! - 0!) \times 4 \times 8 = 8 \times 4 \times (-0! + 6! \times \sqrt{4}).$

$46056 := -4! + 6! \times \sqrt{(-0! + 5)^6} = (65 - 0!) \times 6! - 4!.$

$46072 := 4 \times (6! - 0! + 7!) \times 2 = 2 \times (7! - 0! + 6!) \times 4.$

$46075 := \sqrt{4^6} \times (-0! + 7)! - 5 = -5 + (7 - 0!)! \times 64.$

$46146 := \sqrt{4} + (6! + 1) \times \sqrt{4^6} = 64 \times (1 + 6!) + \sqrt{4}.$

$46208 := (\sqrt{4} + 6!) \times 2^{(\sqrt{0!+8})!} = 8^{0+2} \times (6! + \sqrt{4}).$

$46336 := (4 + 6!) \times (3!/3)^6 = (6/3)^{3!} \times (6! + 4).$

$46368 := 4 \times (6! + 3^6) \times 8 = 8 \times (6! + 3^6) \times 4.$

$46584 := (4 + 6!) \times 5! - 8! + 4! = 4! - 8! + 5! \times (6! + 4).$

$46593 := \sqrt{4} - 65 + (\sqrt{9})!^{3!} = 3!^{(\sqrt{9})!} - (5! + 6)/\sqrt{4}.$

$46628 := -4! + 6^6 - \sqrt{2 \times 8} = -(8/2)! + 6^6 - 4.$

$46636 := -\sqrt{4} + 6^6 - 3 \times 6 = -6 \times 3 + 6^6 - \sqrt{4}.$

$46672 := \sqrt{4} + 6^6 + 7 \times 2 = 2 \times 7 + 6^6 + \sqrt{4}.$

$46674 := 4 + 6^6 + 7 \times \sqrt{4} = \sqrt{4} \times 7 + 6^6 + 4.$

$46704 := 4! + 6^{(7-0!)} + 4! = 4! + (-0! + 7)^6 + 4!.$

$46795 := \sqrt{4} \times 6! + 7! \times 9 - 5 = -5 + 9 \times 7! + 6! \times \sqrt{4}.$

$46818 := (\sqrt{4} + 6!) \times \sqrt{81} + 8! = 8! + (1 + 8) \times (6! + \sqrt{4}).$

$46836 := \sqrt{4} \times 6!/8 + 3!^6 = 6^{(\sqrt{\sqrt{\sqrt{3^8}}})!} + 6!/4.$

$46896 := (4! + 6) \times 8 + (\sqrt{9})!^6 = 6^{(\sqrt{9})!} + 8 \times (6 + 4!).$

$47038 := -\sqrt{4} + (7 + 0!)!/3! + 8! = 8!/3! \times (0 + 7) - \sqrt{4}.$

$47368 := (-4 + 7)!! + 3!^6 - 8 = -8 + 6! + 3!^{(7-4)!}.$

$47476 := (4 + 7) \times (-4 + 7! - 6!) = (-6! + 7! - 4) \times (7 + 4).$

$47488 := 4 \times 7 \times \sqrt{4^8} + 8! = 8! + 8^4 \times 7/4.$

$47664 := (4! + 7!) \times 6 + 6! \times 4! = 4! \times (6! + 6 + 7!/4).$

$48096 := \sqrt{4} \times (\sqrt{8 + 0!})!! + (\sqrt{9})!^6 = \sqrt{6^{9+0!}} + (\sqrt{\sqrt{8^4}})!.$

$48386 := \sqrt{4} + 8!/(-3 + 8) \times 6 = 6 \times 8!/(-3 + 8) + \sqrt{4}.$

$48388 := 4 + 8!/(-3 + 8) + 8! = 8!/(8 - 3) + 8! + 4.$

$48408 := 4! + 8!/(4 + 0!) + 8! = 8!/(0! + 4) + 8! + 4!.$

$48936 := 4 \times ((8 + 9) \times 3!! - 6) = 6! \times (3 + 9) + 8! - 4!.$

$48955 := 4! \times (8 + 9) \times 5! - 5 = -5 + 5! \times (9 + 8) \times 4!.$

$48958 := -\sqrt{4} + 8! + 9 \times 5! \times 8 = 8 \times 5! \times 9 + 8! - \sqrt{4}.$

$49224 := 4! \times (\sqrt{9} + \sqrt{2^{(-2+4!)}}) = (\sqrt{\sqrt{4^{22}}} + \sqrt{9}) \times 4!.$

$49284 := (4! \times 9 - 2 + 8)^{\sqrt{4}} = (4! - 82 \times \sqrt{9})^{\sqrt{4}}.$

$49656 := -4! + (9 + \sqrt{6! \times 5}) \times 6! = 6 \times 5! \times 69 - 4.$

$49669 := -\sqrt{4} - 9 + 6! \times 69 = -9 + 6! \times 69 - \sqrt{4}.$

$49697 := 4! + (\sqrt{9})!! \times 69 - 7 = -7 + (\sqrt{9})!! \times 69 + 4!.$

$49704 := 4! + (\sqrt{9})!! \times (\sqrt{7! + 0!} - \sqrt{4}) = (-\sqrt{4} + \sqrt{0! + 7!}) \times (\sqrt{9})!! + 4!.$

$49729 := (4! \times 9 + 7)^{\sqrt{-2+(\sqrt{9})!}} = ((\sqrt{9} + 2)! - 7^{\sqrt{9}})^{\sqrt{4}}.$

$49923 := ((-4 + 9)! + 9)^2 \times 3 = 3 \times ((2 + \sqrt{9})! + 9)^{\sqrt{4}}.$

$49928 := (-\sqrt{4} + 9 \times 9)^2 \times 8 = 8 \times (-2 + 9 \times 9)^{\sqrt{4}}.$

$49956 := (4 + (\sqrt{9})!!) \times (9 + \sqrt{5 \times 6!}) = (\sqrt{6! \times 5} + 9) \times ((\sqrt{9})!! + 4).$

$50275 := -5! + (-0! + 2 \times 7!) \times 5 = 5 \times (7! \times 2 - 0!) - 5!.$

$50375 := (-5 + (-0! + 3) \times 7!) \times 5 = 5 \times (7! \times (3 - 0!) - 5).$

$50384 := \sqrt{4} \times (-8 + (3! + 0!)! \times 5) = (5 \times (0! + 3!)! - 8) \times \sqrt{4}.$

$50395 := ((5 + 9) \times 3!! - 0!) \times 5 = 5 \times (-0! + 3!! \times (9 + 5)).$

$50765 := \sqrt{(5 \times 0)! + 7!} \times (6! - 5) = (-5 + 6!) \times \sqrt{7! + (0/5)!}.$

$50907 := ((5 + 0!)! - \sqrt{9}) \times \sqrt{0! + 7!} = \sqrt{7! + 0!} \times (-\sqrt{9} + (0! + 5)!).$

$51373 := (5 + 1)! + 37^3 = 37^3 + (1 + 5)!.$

$51737 := 5! + \sqrt{1 + 7!} \times (3!! + 7) = (7 + 3!!) \times 71 + 5!.$

$51968 := 5! + (1 + 9 \times 6!) \times 8 = 8 \times (6! \times 9 + 1) + 5!.$

$53424 := 53 \times 42 \times 4! = 424 \times (3! + 5!).$

$53495 := -5^{3!} + 4!^{\sqrt{9}} \times 5 = -5^{(\sqrt{9})!} + 4!^3 \times 5.$

$53557 := (-5 + 3!^5 - 5!) \times 7 = -7 \times (5! + 5 - 3!^5).$

$53592 := (-5! + 3!^5) \times (9 - 2) = (-2 + 9) \times (-5! + 3!^5).$

$53985 := -5 \times (3 - (\sqrt{9})!!/8 \times 5!) = (5!/8 \times (\sqrt{9})!! - 3) \times 5.$

$53995 := 5 \times 3!! \times (9 + (\sqrt{9})!) - 5 = 5 \times (\sqrt{9})!! \times (9 + 3!) - 5.$

$54549 := (-5 + 4!) \times (5! \times 4! - 9) = (-9 + 4! \times 5!) \times (4! - 5).$

$54644 := (-5 + 4!) \times (6! \times 4 - 4) = (-4 + 4 \times 6!) \times (4! - 5).$

$54744 := (-5 \times 4! + 7^4) \times 4! = (\sqrt{4 \times 4})! \times (7^4 - 5!).$

$54864 := 5!^{\sqrt{4}} + 8! + 6 \times 4! = \sqrt{4!^6} + 8! + (\sqrt{4 + 5})!!.$

$55375 := -5! + (5 + 3!) \times (7! + 5) = (5 + 7!) \times (3! + 5) - 5!.$

$55435 := -5 + (5 + \sqrt{4})! \times (3! + 5) = (5 + 3!) \times (\sqrt{4} + 5)! - 5.$

$55473 := \sqrt{5! + 5 - 4} \times (7! + 3) = (3 + 7!) \times ((\sqrt{4 + 5})! + 5).$

$56568 := 5! + (6^5 - 6!) \times 8 = 8 \times (6^5 - 6!) + 5!.$

$56755 := (5 + 6) \times (7! + 5!) - 5 = -5 + (5! + 7!) \times (6 + 5).$

$57464 := 5! + 7 \times 4^6 \times \sqrt{4} = 4^6 \times \sqrt{4} \times 7 + 5!.$

$57602 := (5 \times (7! + 6!) + 0!) \times 2 = 2 \times (0! + (6! + 7!) \times 5).$

$57624 := 5 \times (7! + 6!) \times 2 + 4! = 4! + 2 \times (6! + 7!) \times 5.$

$57625 := (5 + (7! + 6!) \times 2) \times 5 = (5 + 2 \times (6! + 7!)) \times 5.$

$58325 := 5 + 8! + 3!! \times 25 = 5^2 \times 3!! + 8! + 5.$

$58929 := -\left(\sqrt{\sqrt{\sqrt{5^8}}}\right)! + 9^{2+\sqrt{9}} = \sqrt{9^{\sqrt{2+98}}} - 5!.$

$59037 := -5 + 9^{(-0!+3!)} - 7 = -7 + 3^{0!+9} - 5.$

$59042 := -5 + 9^{0!+4} - 2 = -2 - 4 - 0! + 9^5.$

$59044 := -5 + 9^{(0/4)!+4} = -4 - (4 \times 0)! + 9^5.$

$59047 := 5 + 9^{0!+4} - 7 = -7 + 4 + 0! + 9^5.$

$59052 := 5 + (9 + 0)^5 - 2 = 2 + (5 \times 0)! + 9^5.$

$59163 := -3! + (6 - 1)! + 9^5 = 5! + 9^{(-1+6)} - 3!.$

$59169 := 5! + 9^{\sqrt{16+9}} = 9^{\sqrt{6+19}} + 5!.$

$59399 := -5! \times 9 + (-3! + 9!)/(\sqrt{9})! = (9! - (\sqrt{9})!)/3! - 9 \times 5!.$

$59439 := 5! + (9 \times 4 + 3)^{\sqrt{9}} = (9 + 3! + 4!)^{\sqrt{9}} + 5!.$

$59649 := -5! + \sqrt{9^{6+4}} + (\sqrt{9})!! = -(9 - 4)! + 6! + 9^5.$

$59897 := (5! - \sqrt{9}) \times 8^{\sqrt{9}} - 7 = 7!/(\sqrt{9})! + 8 + 9^5.$

$60384 := 6 \times ((0! + 3!)! - 8) \times \sqrt{4} = \sqrt{4} \times (-8 + (3! + 0!)!) \times 6.$

$60432 := ((6 + 0!)! - 4) \times 3! \times 2 = 2 \times 3! \times (-4 + (0! + 6)!).$

$60475 := 6 \times \sqrt{0 + 4} \times 7! - 5 = -5 + 7! \times \sqrt{4} \times (0 + 6).$

$60478 := 6 \times (0! + \sqrt{4} \times 7!) - 8 = -8 + (7! \times \sqrt{4} + 0!) \times 6.$

$60492 := 6 \times (0! + (\sqrt{49})!) \times 2 = 2 \times ((9 - \sqrt{4})! + 0!) \times 6.$

$60564 := (6! + 0!) \times (5! - \sqrt{6^4}) = (4! + \sqrt{6! \times 5}) \times (0! + 6!).$

$60596 := (6! - (-0! + 5)! + 9!)/6 = (6! + 9! - (5 - 0!)!)/6.$

$60624 := 6 \times ((0! + 6)! \times 2 + 4!) = (4! + 2 \times (6 + 0!)!) \times 6.$

$62784 := 6 \times 2 \times (7! + 8 \times 4!) = (4! \times 8 + 7!) \times 2 \times 6.$

$63884 := (6 + 3!!) \times 88 - 4 = -4 + 88 \times (3! + 6!).$

$64795 := 6 \times (\sqrt{4} \times 7! + (\sqrt{9})!!) - 5 = -5 + (\sqrt{9})! \times (7! \times \sqrt{4} + 6!).$

$66144 := (-6! + (6! - 1) \times 4!) \times 4 = 4 \times (4! \times (-1 + 6!) - 6!).$

$66248 := 6! - 6 - 2 + 4^8 = -8 + 4^{2+6} + 6!.$

$66339 := (6 \times 6)^3 + 3^9 = (9 \times 3)^3 + 6^6.$

$66954 := -6 + 6! \times (95 - \sqrt{4}) = (-4! + 5! - \sqrt{9}) \times 6! - 6.$

$66955 := 6! \times (-\sqrt{6! + 9} + 5!) + 5 = -5 + (5! - \sqrt{\sqrt{9^6}}) \times 6!.$

$68544 := (6! - (8 - 5)!) \times 4! \times 4 = 4 \times 4! \times ((-5 + 8)!! - 6).$

$69024 := 6 \times ((\sqrt{9})!! - 0!) \times 2^4 = ((4+2)! - 0!) \times 96.$

$69255 := (6! + 9) \times (-25 + 5!) = (5! - 5^2) \times \sqrt{9^6}.$

$69404 := ((6! + \sqrt{9}) \times 4! - 0!) \times 4 = 4 \times (-0! + 4! \times (\sqrt{9} + 6!)).$

$69595 := 6! + ((\sqrt{9})!! + 5) \times 95 = -5 + ((\sqrt{9})!! + 5) \times 96.$

$69786 := -6 \times (9 - 7!) + 8! - 6! = -6! + 8! + (7! - 9) \times 6.$

$69798 := -6! + (-\sqrt{9} + 7!) \times ((\sqrt{9})! + 8) = (8 + (\sqrt{9})!) \times (7! - \sqrt{9}) - 6!.$

$69848 := 6 \times (\sqrt{9})!! - 8 + 4^8 = -8 + 4^8 + (\sqrt{9})! \times 6!.$

$69864 := 6! \times 98 - 6! + 4! = -4! + (6! + 8) \times 96.$

$70497 := (7! \times \sqrt{0 + 4} - 9) \times 7 = 7 \times (-9 + \sqrt{4} \times (0 + 7)!).$

$70546 := (7! - 0!) \times (5 \times 4 - 6) = (-6 + 4 \times 5) \times (-0! + 7!).$

$70582 := (-7! + \sqrt{0! + 5!} + 8!) \times 2 = 2 \times (8! + \sqrt{5! + 0!} - 7!).$

$70584 := 7! \times (0! + 5 + 8) + 4! = 4! + (8 + 5 + 0!) \times 7!.$

$71273 := 7 \times (-1 + 2 \times 7!) + 3!! = 3!! + (7! \times 2 - 1) \times 7.$

$71568 := 71 \times (5! + 6) \times 8 = 8 \times (6 + 5!) \times \sqrt{1 + 7!}.$

$71993 := -7 + (1 + 99) \times 3!! = 3!! \times (9 + 91) - 7.$

$72035 := (7 + 20 \times 3!!) \times 5 = 5 \times ((3! - 0!)!^2 + 7).$

$72549 := (7 + 2)!/5 - 4! - \sqrt{9} = (\sqrt{\sqrt{9^4}})!/5 - 27.$

$72576 := (7 + 2)!/5 \times (7 - 6) = (\sqrt{6 + 75})!/(-2 + 7).$

$72585 := (7 + 2) \times (5 + 8!)/5 = (5 + 8!)/5 \times (2 + 7).$

$73079 := -7! + (3! - 0!)^7 - (\sqrt{9})! = -(\sqrt{9})! - 7! + (-0! + 3!)^7.$

$73085 := -7! + (3! - 0!)^8/5 = 5^{8-(0/3)!} - 7!.$

$73433 := -7 + 34 \times 3 \times 3!! = 3!! \times 34 \times 3 - 7.$

$73435 := -5 + 3! \times (4! \times 3!! - 7!) = (-7! + 3!! \times 4!) \times 3! - 5.$

$73474 := (7! - 3!! + \sqrt{4}) \times (-7 + 4!) = (4! - 7) \times (\sqrt{4} - 3!! + 7!).$

$73745 := 7^3 \times (7!/4! + 5) = (-5 + (-4 + 6!) \times 3!!)/7.$

$73975 := (7 \times 3!)^{\sqrt{9}} + 7 - 5! = -5! + (7 \times (\sqrt{9})!)^3 + 7.$

$74064 := 7! + 4 \times (-0! + 6!) \times 4! = 4 \times (6! - 0!) \times 4! + 7!.$

$74164 := 7! + 4 \times (1 + 6! \times 4!) = (4! \times 6! + 1) \times 4 + 7!.$

$74304 := 7! \times 4! - 3!^{(0!+\sqrt{4})!} = -(4 - 0!)!^{3!} + 4! \times 7!.$

$74448 := -7! + \sqrt{4} \times (-4!^{\sqrt{4}} + 8!) = (8! - 4!^{\sqrt{4}}) \times \sqrt{4} - 7!.$

$74469 := (7 + 4 \times 4!) \times (6! + \sqrt{9}) = (\sqrt{9} + 6!) \times (4 \times 4! + 7).$

$74873 := -7 + \sqrt{4} \times 8! + 7! - 3!! = -3!! - 7! + 8! \times \sqrt{4} - 7.$

$75344 := 7! \times 5 \times 3 - 4^4 = -4^4 + 3 \times 5 \times 7!.$

$75468 := -7! - 5! + \sqrt{4} \times (-6 + 8!) = (8! - 6) \times \sqrt{4} - 5! - 7!.$

$75473 := -7 + 5 \times (-4! + 7! \times 3) = (3 \times 7! - 4!) \times 5 - 7.$

$75495 := (7! - 5 - \sqrt{4}) \times \sqrt{9} \times 5 = 5 \times \sqrt{9} \times ((\sqrt{4} + 5)! - 7).$

$75498 := -7! - 5! + \sqrt{4} \times (9 + 8!) = (8! + 9) \times \sqrt{4} - 5! - 7!.$

$75585 := (7! \times 5 - 5) \times (8 - 5) = (5 - 8) \times (5 - 5 \times 7!).$

$75593 := -7 + (5! - 5 \times \sqrt{9}) \times 3!! = 3!! \times (-\sqrt{9} \times 5 + 5!) - 7.$

$75603 := (7! \times 5 + (6 \times 0)!) \times 3 = 3 \times (0! + 6! \times 5 \times 7).$

$75618 := (7! \times 5 + 6) \times \sqrt{1 + 8} = \sqrt{\sqrt{81}} \times (6 + 5 \times 7!).$

$75635 := 7 \times (5 + 6! \times 3 \times 5) = (5 \times 3 \times 6! + 5) \times 7.$

$75637 := 7 + 5 \times (6 + 3 \times 7!) = (7! \times 3 + 6) \times 5 + 7.$

$75834 := -7! + (5! + 8! - 3) \times \sqrt{4} = \sqrt{4} \times (-3 + 8! + 5!) - 7!.$

$78352 := (-7 \times 8 + 3!!) \times (5! - 2) = (-2 + 5!) \times (3!! - 8 \times 7).$

$79184 := (7! - 91) \times 8 \times \sqrt{4} = \sqrt{4} \times (8! - 1 - (\sqrt{9})!! - 7).$

$79195 := (7! \times \sqrt{9} - 1 + (\sqrt{9})!!) \times 5 = 5 \times ((\sqrt{9})!! - 1 + \sqrt{9} \times 7!).$

$79198 := (7 - 9) \times (1 + (\sqrt{9})!! - 8!) = (8! - (\sqrt{9})!! - 1) \times (9 - 7).$

$79335 := ((7! + 9) \times 3 + 3!!) \times 5 = 5 \times (3!! + 3 \times (9 + 7!)).$

$79488 := (7! - \sqrt{9} \times 4!) \times (8 + 8) = (8 + 8) \times (-4! \times \sqrt{9} + 7!).$

$79565 := 7! - ((\sqrt{9})!! - 5^6) \times 5 = 5 \times (-6! + 5^{(\sqrt{9})!}) + 7!.$

$79853 := (7 - (\sqrt{9})!!) \times (8 - 5!) - 3 = -3 + (5! - 8) \times ((\sqrt{9})!! - 7).$

$79854 := (7 - (\sqrt{9})!!) \times (8 - 5!) - \sqrt{4} = -\sqrt{4} + (5! - 8) \times ((\sqrt{9})!! - 7).$

$79859 := (7 - (\sqrt{9})!!) \times (8 - 5!) + \sqrt{9} = \sqrt{9} + (5! - 8) \times ((\sqrt{9})!! - 7).$

$79913 := -7 + (-9 + ((\sqrt{9})! - 1)!) \times 3!! = ((3! - 1)! - 9) \times (\sqrt{9})!! - 7.$

$79927 := 7 + (\sqrt{9})!! \times (-9 + (-2 + 7)!) = ((7 - 2)! - 9) \times (\sqrt{9})!! + 7.$

$80352 := (8! - (0 + 3)!!/5) \times 2 = 2 \times (-5! - (3 + 0!)! + 8!).$

$80394 := (8! - (-0! + 3!)! - \sqrt{(9)}) \times \sqrt{4} = \sqrt{4} \times 8! - (3 - 0!)^8.$

$80402 := (8! + 0! - (4 + 0!)!) \times 2 = 2 \times (0! - (4 + 0!)! + 8!).$

$80424 := 4! + 2 \times (-(4 + 0!)! + 8!) = (8! - (0! + 4)!) \times 2 + 4!.$

$80448 := (8!/(0 + 4) - 4!) \times 8 = (8!/4 - 4!) \times (0 + 8).$

$80474 := (8! + 0!) \times \sqrt{4} - 7 \times 4! = -4! \times 7 + \sqrt{4} \times (0! + 8!).$

$80479 := (-8! + 0! - 4!) \times 7 + 9! = 9! - 7 \times (4! - 0! + 8!).$

$80494 := (8! - 0! - 4! \times \sqrt{9}) \times \sqrt{4} = \sqrt{4} \times (-\sqrt{9} \times 4! - 0! + 8!).$

$80497 := -8! + 0! + 4! \times (-(\sqrt{9})! + 7!) = (7! - (\sqrt{9})!) \times 4! + 0! - 8!.$

$80519 := 8! - 0! - 5! + (-1 + 9)! = (9 - 1)! - 5! - 0! + 8!.$

$80528 := 8 + 0 - 5! + 2 \times 8! = 8! \times 2 - 5! + 0 + 8.$

$80534 := (8! + 0 - 53) \times \sqrt{4} = \sqrt{4} \times (-3 - 50 + 8!).$

$80572 := (8! + 0! - 5 \times 7) \times 2 = 2 \times (-7 \times 5 + 0! + 8!).$

$80584 := -8 + \sqrt{-0! + 5} \times (8! - 4!) = \sqrt{4} \times (8! - (5 - 0!)!) - 8.$

$80592 := (8! - (0 - 5 + 9)!) \times 2 = 2 \times (-(9 - 5)! + (0 + 8)!).$

$80594 := (8! + 0! - (-5 + 9)!) \times \sqrt{4} = \sqrt{4} \times (-(9 - 5)! + 0! + 8!).$

$80595 := 8! \times \sqrt{-0! + 5} - 9 \times 5 = -5 \times 9 + \sqrt{5 - 0!} \times 8!.$

$80625 := (8! + 0! - 6) \times 2 - 5 = -5 + 2 \times (-6 + 0! + 8!).$

$80626 := (8! - 0! - 6) \times \sqrt{-2 + 6} = \sqrt{(6 - 2)} \times (-6 - 0! + 8!).$

$80632 := (8! - 0! - 6 + 3) \times 2 = 2 \times (3 + 6 - 0!)! - 8.$

$80662 := (8! - 0! + 6 + 6) \times 2 = 2 \times (6 + 6 - 0! + 8!).$

$80682 := (8 - 0!) \times 6 + (8! \times 2) = 2 \times 8! + 6 \times (-0! + 8).$

$80692 := (8! - 0! + \sqrt{6! + 9}) \times 2 = 2 \times \left(\sqrt{\sqrt{9^6}} - 0! + 8!\right).$

$80694 := (8! + \sqrt{(0 + 6)! + 9}) \times \sqrt{4} = \sqrt{4} \times \left(\sqrt{\sqrt{9^6}} + (0 + 8)!\right).$

$80755 := 8! + (0! + 7)! + 5! - 5 = 5! - 5 + (7 + 0!)! + 8!.$

$80782 := (\sqrt{(8 \times 0)! + 7!} + 8!) \times 2 = 2 \times (8! + \sqrt{7! + (0/8)!}).$

$80784 := 8 \times (0! + 7! + 8) \times \sqrt{4} = \sqrt{4} \times (8 + 7! + 0!) \times 8.$

$80792 := (2 \times (9 + 7!) + 0!) \times 8 = 8 \times (0! + (7! + 9) \times 2).$

$80794 := (8! + \sqrt{0! + 7!} + (\sqrt{9})!) \times \sqrt{4} = \sqrt{4} \times ((\sqrt{9})! + \sqrt{7! + 0!} + 8!).$

$80802 := (8! + 0! + 80) \times 2 = 2 \times (0! + 80 + 8!).$

$80824 := (80 + 8!) \times 2 + 4! = 4! + 2 \times (80 + 8!).$

$81346 := (8! - 1 - 3!) \times \sqrt{4} + 6! = 6! + \sqrt{4} \times (-3! - 1 + 8!).$

$81355 := -(8 - 1)! + 3!! \times 5! - 5 = -5 + 5! \times 3!! - (-1 + 8)!.$

$81357 := -\sqrt{\sqrt{81}} + 3!! \times (5! - 7) = (-7 + 5!) \times 3!! - \sqrt{1 + 8}.$

$81936 := 8! - (1 + (\sqrt{9})!)! + 3!^6 = 6^{3!} - ((\sqrt{9})! + 1)! + 8!.$

$81937 := 8! + 1 + (\sqrt{9})!^{3!} - 7! = -7! + 3!^{(\sqrt{9})!} + 1 + 8!.$

$82082 := ((8 - 2)! + 0! + 8!) \times 2 = 2 \times (8! + 0! + (-2 + 8)!).$

$82084 := (8! + 2 + (\sqrt{0! + 8})!!) \times \sqrt{4} = \sqrt{4} \times ((\sqrt{8 + 0!})!! + 2 + 8!).$

$82086 := 8 + 2 \times (-0! + 8! + 6!) = (6! + (8! - 0!)) \times 2 + 8.$

$82088 := 8 + 2 \times ((\sqrt{0! + 8})!! + 8!) = (8! + (\sqrt{8 + 0!})!!) \times 2 + 8.$

$82092 := (8! + (2 + 0!)! + (\sqrt{9})!!) \times 2 = 2 \times ((\sqrt{9})!! + (0! + 2)! + 8!).$

$82284 := (822+8!)\times\sqrt{4} = \sqrt{4}\times(822+8!).$

$82368 := 8!\times 2+\sqrt{3!^6}\times 8 = 8\times 6^3+2\times 8!.$

$82793 := 8!\times 2-7+\sqrt{9}\times 3!! = 3\times(\sqrt{9})!!-7+2\times 8!.$

$82942 := 8^2\times(\sqrt{9})!^4-2 = -2+4!^{\sqrt{9}}\times(-2+8).$

$82952 := 8+(2\times(\sqrt{9})!!/5)^2 = (2^5\times 9)^2+8.$

$83304 := (8-3!!)\times(3-(0!+4)!) = ((4+0!)!-3)\times(3!!-8).$

$83488 := (-8+3!!)\times 4+8!+8! = 8!+8!+4\times(3!!-8).$

$83544 := 8!+3\times 5!^{\sqrt{4}}+4! = 4!+(-4+5!)\times(\sqrt{\sqrt{\sqrt{3^8}}})!!.$

$84952 := -8+(\sqrt{4\times 9})!\times(5!-2) = (-2+5!)\times(\sqrt{9\times 4})!-8.$

$84954 := -8+\sqrt{4}+(\sqrt{9})!!\times(5!-\sqrt{4}) = (-\sqrt{4}+5!)\times(\sqrt{9})!!+\sqrt{4}-8.$

$84955 := (-8-4+(\sqrt{9})!!)\times 5!+5 = -5+5!\times((\sqrt{9})!!-4-8).$

$84996 := 8!\times\sqrt{4}+(\sqrt{9})!\times((\sqrt{9})!+6!) = 6\times((\sqrt{9})!+(\sqrt{9})!!)+\sqrt{4}\times 8!.$

$85437 := (8!-5!)\times\sqrt{4}-3+7! = 7!-3+\sqrt{4}\times(-5!+8!).$

$85448 := 8+5!\times((4+\sqrt{4})!-8) = (-8+(4+\sqrt{4})!)\times 5!+8.$

$85456 := 8\times(-5!+\sqrt{4})+5!\times 6! = 6!\times 5!+(\sqrt{4}-5!)\times 8.$

$85573 := 8+5+5!\times(-7+3!!) = (3!!-7)\times 5!+5+8.$

$85672 := -8+5!\times(6!-(\sqrt{7+2})!) = ((\sqrt{2+7})!!-6)\times 5!-8.$

$85675 := (-8+5!)\times 6!+7!-5 = -5+7!+6!\times(5!-8).$

$85705 := -8!+5\times(7!+0!)\times 5 = 5\times(0!+7!)\times 5-8!.$

$85739 := 8!+5+(7!+3!)\times 9 = 9\times(3!+7!)+5+8!.$

$85792 := -8+5!\times(-7+(\sqrt{9})!!+2) = (2+(\sqrt{9})!!-7)\times 5!-8.$

$85928 := 8+5!\times((\sqrt{9})!!-\sqrt{2\times 8}) = (-8/2+(\sqrt{9})!!)\times 5!+8.$

$86154 := (-8+6!)\times(1+5!)+\sqrt{4} = \sqrt{4}+(5!+1)\times(6!-8).$

$86354 := -8\times 6+3!!\times 5!+\sqrt{4} = \sqrt{4}+5!\times 3!!-6\times 8.$

$86386 := -8+6!\times(-3+8)!-6 = 6!\times(8-3)!-6-8.$

$86389 := -8+6!\times(-3+8)!-\sqrt{9} = -\sqrt{9}+(8-3)!\times 6!-8.$

$86393 := -8+(6+3!!\times(\sqrt{9})!!)/3! = (3!+(\sqrt{9})!!\times 3!!)/6-8.$

$86398 := -8+6+3!!\times(-\sqrt{9}+8)! = (8-\sqrt{9})!\times 3!!+6-8.$

$86424 := (8!+6!\times 4)\times 2+4! = 4!+2\times(4\times 6!+8!).$

$86448 := 8\times 6!+\sqrt{4}\times(4!+8!) = ((8!+4!)/4+6!)\times 8.$

$86456 := -8+64+5!\times 6! = 6!\times 5!+4\times(6+8).$

$86475 := (8+6!\times 4!+7)\times 5 = 5\times(7+4!\times 6!+8).$

$86506 := -8-6+5!\times(0!+6!) = (6!+0!)\times 5!-6-8.$

$86592 := (8+6!\times 5)\times((\sqrt{9})!-2)! = (2+(\sqrt{9})!!)\times 5!-6\times 8.$

$86949 := 8!+6^{(\sqrt{9})!}-4!-\sqrt{9} = -\sqrt{9}-4!+(\sqrt{9})!^6+8!.$

$86964 := 8!+6^{(\sqrt{9})!}-6\times\sqrt{4} = -\sqrt{4}\times 6+(\sqrt{9})!^6+8!.$

$86977 := 8!+6^{(\sqrt{9})!}+7/7 = 7/7+(\sqrt{9})!^6+8!.$

$86982 := 8+6^{(\sqrt{9})!}+8!-2 = (-2+8)^{(\sqrt{9})!}+6+8!.$

$86997 := 8!+6^{(\sqrt{9})!}+\sqrt{9}\times 7 = 7\times\sqrt{9}+(\sqrt{9})!^6+8!.$

$87384 := 8!\times 7/3!+8!+4! = 4!+8!/3!\times 7+8!.$

$89472 := 8!+\sqrt{9}\times 4^{\sqrt{7^2}} = \sqrt{2^{7\times 4}}\times\sqrt{9}+8!.$

$89537 := (8+(\sqrt{9})!!)\times(5!+3)-7 = -7+(3+5!)\times((\sqrt{9})!!+8).$

$89568 := (8!+(\sqrt{9})!!)/5\times 6+8! = (8!+6!)/5\times(\sqrt{9})!+8!.$

$89659 := -8+\sqrt{9^6}\times(5!+\sqrt{9}) = (\sqrt{9}+5!)\times(6!+9)-8.$

$89956 := -8+((\sqrt{9})!!-(\sqrt{9})!)\times(5!+6) = (6+5!)\times((\sqrt{9})!!-(\sqrt{9})!)-8.$

$89992 := -8-(\sqrt{9})!!+9!/((\sqrt{9})!-2) = (2+\sqrt{9})^{\sqrt{9}}\times(\sqrt{9})!!-8.$

$90125 := ((\sqrt{9})!!+0!)\times 125 = 5^{2+1}\times(0!+(\sqrt{9})!!).$

$90592 := ((\sqrt{9})!!-0!)\times(5!+(\sqrt{9})!)-2 = -2-((\sqrt{9})!+5!)\times(0!-(\sqrt{9})!!).$

$90594 := (-9!/(0!+5)!+9!)/4 = (\sqrt{4\times 9}+5!)\times(-0!+(\sqrt{9})!!).$

$90648 := 9\times((0!+6)!\times\sqrt{4}-8) = (-8+\sqrt{4}\times(6+0!)!)\times 9.$

$90675 := 9\times((0!+6)!+7!-5) = (-5+7!+(6+0!)!)\times 9.$

$90704 := (9\times(-0!+7!)+0!)\times\sqrt{4} = \sqrt{4}\times(0!+(7!-0!)\times 9).$

$90718 := -\sqrt{9}+0!+7!\times 18 = (8!-1+7!)\times(-0!+\sqrt{9}).$

$90734 := \sqrt{9}\times(0!+7!)\times 3!-4 = -4+3\times(7!+0!)\times(\sqrt{9})!.$

$90742 := (9\times(0!+7!)+\sqrt{4})\times 2 = 2\times(\sqrt{4}+(7!+0!)\times 9).$

$90753 := ((\sqrt{9})!\times(0!+7!)+5)\times 3 = 3\times(5+(7!+0!)\times(\sqrt{9})!).$

$90786 := (\sqrt{9}\times(0!+7!)+8)\times 6 = 6\times(8+(7!+0!)\times\sqrt{9}).$

$90864 := (((\sqrt{9})!+0!)!+8)\times(-6+4!) = (4!-6)\times(8+(0!+(\sqrt{9})!)!).$

$90936 := 9!/(0!+\sqrt{9})+\sqrt{3!^6} = 6^3+9!/(0!+\sqrt{9}).$

$91437 := (\sqrt{9})!!\times(1+4)!-3+7! = 7!+3!!\times(4+1)!-\sqrt{9}.$

$91566 := 6!+(6+5!)\times(1+(\sqrt{9})!!) = ((\sqrt{9})!!+1)\times(5!+6)+6!.$

$91974 := (9!-(1+\sqrt{9})!-7!)/4 = (-4!+7!+9!)/(1+\sqrt{9}).$

$92288 := ((\sqrt{9})!!\times 2+2)\times 8\times 8 = 8\times 8\times(2+2\times(\sqrt{9})!!).$

$92364 := (9+(2+3)!)\times(6!-4) = (-4+6!)\times((3+2)!+9).$

$93009 := (9+(3!-0!)!)\times(0!+(\sqrt{9})!!) = ((\sqrt{9})!!+0!)\times((-0!+3!)!+9).$

$93248 := 9!/3!+\sqrt{2^{4!}}\times 8 = -\sqrt{8^4}+2\times 3!^{(\sqrt{9})!}.$

$93288 := (\sqrt{9})!^{3!}\times 2-(\sqrt{8+8})! = -(\sqrt{8+8})!+2\times 3!^{(\sqrt{9})!}.$

$93298 := (\sqrt{9})!^{3!}\times 2-(\sqrt{9})!-8 = -8-(\sqrt{9})!+2\times 3!^{(\sqrt{9})!}.$

$93315 := \sqrt{9}+3!^{3!}\times\sqrt{(-1+5)} = \sqrt{5-1}\times 3!^{3!}+\sqrt{9}.$

$93544 := ((\sqrt{9})!^{3!}+5!-4)\times\sqrt{4} = \sqrt{4}\times(-4+5!+3!^{(\sqrt{9})!}).$

$93552 := ((\sqrt{9})!\times 3!^5+5!)\times 2 = 2\times((\sqrt{5\times 5})!+3!^{(\sqrt{9})!}).$

$93564 := ((\sqrt{9})!^{3!}+5!+6)\times\sqrt{4} = \sqrt{4}\times(6+5!+3!^{(\sqrt{9})!}).$

$93591 := -9+3!!\times(5!+9+1) = (1+9+5!)\times 3!!-9.$

$93894 := (\sqrt{9})!\times((-3+8)^{(\sqrt{9})!}+4!) = (4!+(\sqrt{9}-8)^{3!})\times(\sqrt{9})!.$

$94976 := 9!-4^9-7!-6! = -6!-7!+9!-4^9.$

$95237 := (9+5!+2)\times(3!!+7) = (7+3!!)\times(2+5!+9).$

$95494 := (9+5!+4)\times((\sqrt{9})!!-\sqrt{4}) = (-\sqrt{4}+(\sqrt{9})!!)\times(4+5!+9).$

$95745 := -\sqrt{9}\times 5+7!\times(4!-5) = (-5+4!)\times 7!-5\times\sqrt{9}.$

$95755 := 95\times 7!/5-5 = -5+5!\times 7\times(5!-(\sqrt{9})!).$

$95976 := (9+5!)\times((\sqrt{9+7})!+6!) = (6!+(\sqrt{7+9})!)\times(5!+9).$

$96558 := ((\sqrt{9})!+6!)\times(5!+5+8) = (8+5+5!)\times(6+(\sqrt{9})!!).$

$96768 := ((\sqrt{9})!+6)!/(7!-6!/8) = \sqrt{8^6}\times 7\times\sqrt{6!+9}.$

$96984 := -9!/6+\sqrt{9^8}\times 4! = 4!\times(8\times 9!/6!+9).$

$97464 := ((\sqrt{9})!!+7\times\sqrt{4!^6})-4! = 4^6\times 4!-7!/(\sqrt{9})!.$

$97792 := 9+7^7-9!\times 2 = -2\times 9!+7^7+9.$

$98297 := \sqrt{9}\times 8^{2+\sqrt{9}}-7 = -7+(\sqrt{9})!\times 2^{8+(\sqrt{9})!}.$

$98328 := \sqrt{9}\times(8^{3+2}+8) = (8^{2+3}+8)\times\sqrt{9}.$

$98424 := (\sqrt{9}+8^4+2)\times 4! = 4!\times(\sqrt{2^{4!}}+8-\sqrt{9}).$

$99024 := (\sqrt{9})!!+(\sqrt{9}+0!)!\times\sqrt{2^{4!}} = 4!\times\sqrt{2^{(0!+\sqrt{9})!}}+(\sqrt{9})!!.$

$99355 := (\sqrt{9})!!\times(\sqrt{9}\times 3!+5!)-5 = -5+(5!+3\times(\sqrt{9})!)\times(\sqrt{9})!!.$

$99408 := (\sqrt{9})!\times((\sqrt{9})!!\times(4!-0!)+8) = (8+(-0!+4!)\times(\sqrt{9})!!)\times(\sqrt{9})!.$

$99495 := (\sqrt{9^9}+4!\times 9)\times 5 = 5\times(9\times 4!+\sqrt{9^9}).$

$99648 := \sqrt{(9+9)^6}\times 4!-8! = -8!+4!\times(6\times\sqrt{9})^{\sqrt{9}}.$

## 5.1 Selfie Numbers in Order of Digits

$120 := ((1+2)! - 0!)!$.

$127 := -1 + 2^7$.

$240 := 2 \times (4 + 0!)!$.

$360 := 3! \times 60$.

$384 := 3! \times \sqrt{8^4}$.

$660 := 6! - 60$.

$736 := 7 + 3^6$.

$799 := 79 + (\sqrt{9})!!$.

$1285 := (1 + 2^8) \times 5$.

$1288 := \sqrt{(1+2)!^8} - 8$.

$1294 := -1 \times 2 + (\sqrt{9})!^4$.

$1298 := 1 \times 2 + \sqrt{(\sqrt{9})!^8}$.

$1673 := -1 - 6 + 7!/3$.

$1679 := 1 + (-6 + 7!)/\sqrt{9}$.

$1680 := (1+6)!/\sqrt{8+0!}$.

$1684 := \sqrt{16} + 8!/4!$.

$1764 := 1 \times (7 \times 6)^{\sqrt{4}}$.

$1944 := 1 \times \sqrt{9^4} \times 4!$.

$2139 := -21 + 3 \times (\sqrt{9})!!$.

$2187 := (2 + 1^8)^7$.

$2378 := -23 + \sqrt{7^8}$.

$2472 := -2 \times 4! + 7!/2$.

$2496 := (2 + 4!) \times 96$.

$2502 := 2 + 50^2$.

$2592 := 2^5 \times 9^2$.

$2737 := (2 \times 7)^3 - 7$.

$2744 := \sqrt{(2 \times 7)^{4+\sqrt{4}}}$.

$2746 := 2 + \sqrt{(7 \times \sqrt{4})^6}$.

$2880 := \sqrt{2 \times 8} \times (\sqrt{8+0!})!!$.

$2995 := -29 + 9!/5!$.

$3249 := (3!! + 2)/\sqrt{4} \times 9$.

$3454 := 3!! \times 4!/5 - \sqrt{4}$.

$3528 := (3! + 5!) \times 28$.

$3550 := 3!! \times 5 - 50$.

$3564 := 3!! \times 5 - \sqrt{6^4}$.

$3565 := -35 + 6! \times 5$.

$3590 := 3!! \times 5 - 9 - 0!$.

$3630 := (3! + 6!) \times (3! - 0!)$.

$3645 := 3^{(\sqrt{\sqrt{64}})} \times 5$.

$3685 := (3^6 + 8) \times 5$.

$3738 := -3! + 7! - \sqrt{3!^8}$.

$3774 := -3! + 7! - 7!/4$.

$3844 := \sqrt{(38 + 4!)^4}$.

$3960 := 3! \times ((\sqrt{9})!! - 60)$.

$3972 := 3 + (9 \times 7)^2$.

$4320 := \sqrt{4} \times 3!! \times (2 + 0!)$.

$4330 := 4 + 3! \times (3!! + 0!)$.

$4331 := (\sqrt{4} + 3!!) \times 3! - 1$.

$4363 := 43 + 6 \times 3!!$.

$4372 := \sqrt{4} \times 3^7 - 2$.

$4374 := 4 \times 3^7/\sqrt{4}$.

$4480 := (4+4)!/(8+0!)$.

$4560 := -4 \times 5! + (6 + 0!)!$.

$4608 := \sqrt{4!^6/(0!+8)}$.

$4795 := -\sqrt{4} + 7! - \sqrt{9^5}$.

$4913 := (\sqrt{4} \times 9 - 1)^3$.

$4970 := (\sqrt{49})! - 70$.

$4973 := -4^{\sqrt{9}} + 7! - 3$.

$4974 := -4^{\sqrt{9}} + 7! - \sqrt{4}$.

$4976 := -4^{\sqrt{9}} + 7 \times 6!$.

$4979 := -4^{\sqrt{9}} + 7! + \sqrt{9}$.

$4991 := -49 + ((\sqrt{9})! + 1)!$.

$4997 := -49 + (\sqrt{9})! + 7!$.

$5090 := 50 + ((\sqrt{9})! + 0!)!$.

$5177 := 5! + 17 + 7!$.

$5280 := 5! \times 2 + (8 - 0!)!$.

$5836 := -6! + 3^8 - 5$.

$5864 := 5! + 8 \times (6! - \sqrt{4})$.

$6394 := -6 + (3!!/9)^{\sqrt{4}}$.

$6455 := (6^4 - 5) \times 5$.

$6475 := 6! \times (\sqrt{4} + 7) - 5$.

$6480 := 6!^{\sqrt{4}}/80$.

$6495 := (6^4 + \sqrt{9}) \times 5$.

$6498 := (6! + \sqrt{4}) \times 9!/8!$.

$6552 := (6 + 5!) \times 52$.

$6840 := (6! + 8!)/(4 - 0!)!$.

$7985 := -79 + 8!/5$.

$8062 := 8!/(-0! + 6) - 2$.

$8064 := 8!/((0/6)! + 4)$.

$8065 := (8! - 0! + 6)/5$.

$8397 := 8!/3 - \sqrt{9} - 7!$.

$8405 := (8!/4! + 0!) \times 5$.

$8644 := (8 + 6! \times 4!)/\sqrt{4}$.

$8974 := (8!/9 + 7) \times \sqrt{4}$.

$9360 := (\sqrt{9})!! \times (3! + 6 + 0!)$.

$9576 := ((\sqrt{9})! + 5!) \times 76$.

$9648 := -(\sqrt{9})!! + 6^4 \times 8$.

$9894 := -(\sqrt{9})! + (8! - (\sqrt{9})!!)/4$.

$10000 := 100^{0!+0!}$.

$10024 := 100^2 + 4!$.

$10072 := -10 + (0! + 7!) \times 2$.

$10078 := (1 + 0!) \times \left(-0! + \left(\sqrt{\sqrt{\sqrt{7^8}}}\right)!\right)$.

$10729 := 107^2 - (\sqrt{9})!!$.

$10785 := (10! - 7!)/(8!/5!)$.

$10815 := (1 + (\sqrt{0! + 8})!!) \times 15$.

$10944 := (10 + 9) \times 4! \times 4!$.

$11264 := 11 \times 2^{6+4}$.

$11349 := (1 + (1 + 3!)!/4) \times 9$.

$11495 := \sqrt{11^4} \times 95$.

$11520 := (1 + 15) \times (2 + 0!)!!$.

$12096 := (1 + 2 + 0!)! \times 9!/6!$.

$12240 := (1+2)!! \times (2^4 + 0!)$.

$12850 := (1 + 2^8) \times 50$.

$12955 := 12 \times 9 \times 5! - 5$.

$12999 := (1+(2+(\sqrt{9})!!)\times(\sqrt{9})!)\times\sqrt{9}$.

$13440 := (1 + 3 + 4)!/(4 - 0!)$.

$13441 := 1 + (3! + \sqrt{4})!/(4 - 1)$.

$13443 := 1 \times 3 + (4+4)!/3$.

$13448 := (1 + (3! + \sqrt{4})!/4!) \times 8$.

$13449 := 1 + ((3! + \sqrt{4})! + 4!)/\sqrt{9}$.

$13452 := -1 - 3 + (-4 + 5!)^2$.

$13489 := 1 + (3! \times 4! + 8!)/\sqrt{9}$.

$13560 := (-1 + 3!)! \times (5! - 6 - 0!)$.

$13577 := (-1 + (\sqrt{3!!/5})!/7!)/7$.

$13583 := -1 + 3!!/5 + 8!/3$.

$13680 := (13 + 6) \times (\sqrt{8 + 0!})!!$.

$13683 := 1 \times (3^6 + 8!)/3$.

$13695 := \sqrt{(1+3)!^6} - 9 - 5!$.

$13817 := (1+3)!^{\sqrt{\sqrt{81}}} - 7$.

$13826 := -1 + 3 + \sqrt{(8/2)!^6}$.

$13843 := 1 + 3^8 \times \sqrt{4} + 3!!$.

$13849 := 1 + 3 \times 8 + 4!^{\sqrt{9}}$.

$13920 := (-(1+3)! + (\sqrt{9})!!) \times 20$.

$13943 := -1 + 3!!/(\sqrt{9})! + 4!^3$.

$13949 := (-1 + 3!)^{\sqrt{9}} + 4!^{\sqrt{9}}$.

$14320 := -1 \times (4 - 3!!) \times 20$.

$14390 := (-1 + \sqrt{4} \times 3!!) \times (9 + 0!)$.

$14394 := -(-1 + 4)! - 3!! + 9!/4!$.

$14549 := (-1 + 4)!! + 5 + 4!^{\sqrt{9}}$.

$14640 := (1 + 4 + 6)^4 - 0!$.

$14665 := 1 + \sqrt{4!^6} + 6! + 5!$.

$14689 := 1 + 4! \times 68 \times 9$.

$14739 := 1 \times (4! - 7)^3 \times \sqrt{9}$.

$14760 := (-1 + 4) \times (7! - (6 - 0!)!)$.

$14784 := (-14 + 7!/8) \times 4!$.

$14884 := \sqrt{\left((1+4)! + \sqrt{\sqrt{8+8}}\right)^4}$.

$14906 := (1+4)^{(\sqrt{9})!} + 0! - 6!$.

$15120 := (1+5)! \times (1+20)$.
$15121 := 1+(5+1)! \times 21$.
$15123 := (1+(-5+12)!) \times 3$.
$15125 := (1+5!) \times 125$.
$15424 := (1+5! \times \sqrt{4}) \times \sqrt{\sqrt{2^{4!}}}$.
$15504 := -1-5!+5^{(0!+\sqrt{4})!}$.
$15506 := 1-5!+5^{0+6}$.
$15544 := ((1+5)^5-4) \times \sqrt{4}$.
$15546 := (1+5)^5 \times \sqrt{4}-6$.
$15549 := (1+5)^5 \times \sqrt{4}-\sqrt{9}$.
$15612 := -1+5^6-12$.
$15613 := 1+5^6-13$.
$15615 := 1+5^6-\sqrt{1+5!}$.
$15617 := 1 \times 5^6-1-7$.
$15618 := 1 \times 5^6+1-8$.
$15620 := 1+5^6-(2+0!)!$.
$15621 := -1+5^6-2-1$.
$15622 := 1+5^6-2-2$.
$15626 := 1+5^{6^2/6}$.
$15628 := 1+5^6+\sqrt{\sqrt{2 \times 8}}$.
$15629 := -1+5^6+2+\sqrt{9}$.
$15642 := 1+5^6+4^2$.
$15643 := 1 \times 5^6+4!-3!$.
$15644 := -1+5^6+4!-4$.
$15645 := 1 \times 5^6+4 \times 5$.
$15648 := -1+5^6+(-4+8)!$.
$15650 := 1+5^6+(5-0!)!$.
$15656 := 1+5^6+5 \times 6$.
$15662 := 1+5^6+6^2$.
$15667 := 1 \times 5^6+6 \times 7$.
$15674 := 1 \times 5^6+\sqrt{7^4}$.
$15688 := -1+5^6+8 \times 8$.
$15697 := 1 \times 5^6+9!/7!$.
$15698 := 1+5^6+9 \times 8$.
$15746 := 1+5!+(7-\sqrt{4})^6$.
$15753 := 1+5!+7+5^{3!}$.
$15839 := -1+(\sqrt{\sqrt{5^8}}-3) \times (\sqrt{9})!!$.
$15949 := -\sqrt{(1+5!)^{\sqrt{9}}}+4! \times (\sqrt{9})!!$.
$16224 := ((\sqrt{16})!+2)^2 \times 4!$.
$16245 := (1+6!/2) \times 45$.
$16339 := (-1+6)^{3!}+3!!-(\sqrt{9})!$.
$16343 := (-1+6)^{3!}-\sqrt{4}+3!!$.
$16347 := -1-6 \times 3!+4^7$.
$16349 := (-1+6)^{3!}+4+(\sqrt{9})!!$.
$16382 := \sqrt{\sqrt{16^{3!+8}}}-2$.
$16383 := -1+(6/3)^{8+3!}$.
$16408 := (\sqrt{16})!+4^{(-0!+8)}$.
$16447 := -1+64+4^7$.
$16704 := (\sqrt{16})! \times ((7-0!)!-4!)$.
$16783 := -(\sqrt{16})!+7^{8-3}$.
$16791 := -16+\sqrt{7^{9+1}}$.
$16795 := (-1+6 \times 7!/9) \times 5$.
$16799 := -1+6! \times 7!/(\sqrt{9})!^{\sqrt{9}}$.
$16805 := -\sqrt{\sqrt{16}}+(8-0!)^5$.
$16849 := 1+\sqrt{6^8} \times (4+9)$.
$16875 := 1 \times 68+7^5$.
$16885 := (1-6!+\sqrt{8^8}) \times 5$.
$17246 := -17 \times 2+4! \times 6!$.
$17263 := -17+(-2+6)! \times 3!!$.
$17459 := 17 \times (4^5+\sqrt{9})$.
$17472 := 1 \times 7 \times (-4!+7!/2)$.
$17489 := 17+4! \times (8+(\sqrt{9})!!)$.
$17526 := 1+7^5-2+6!$.
$17528 := 1+7^5+(-2+8)!$.
$17529 := 1 \times 7^5+2+(\sqrt{9})!!$.
$17533 := 1 \times 7^5+3!+3!!$.
$17536 := 1 \times 7^5+3^6$.
$17584 := 1 \times 7!+(5!-8)^{\sqrt{4}}$.
$17647 := (1+7!/(6-4)) \times 7$.
$17688 := (17+6!) \times (\sqrt{8+8})!$.
$17849 := -\sqrt{1+7!}+8! \times 4/9$.
$17944 := (1+7)!/9 \times 4+4!$.
$17999 := -1+(7+9+9) \times (\sqrt{9})!!$.
$18144 := (1+8)!/((1+4) \times 4)$.
$18145 := 1+(\sqrt{81})!/(4 \times 5)$.
$18396 := (-1+8^3) \times (\sqrt{9})! \times 6$.
$18432 := 18 \times 4^{3+2}$.
$18433 := 1+8 \times 4!^3/3!$.
$18450 := 18 \times (4^5+0!)$.
$18479 := -1+(8! \times 4+7!)/9$.
$18793 := 1+87 \times (\sqrt{9})!^3$.
$19044 := 1 \times ((\sqrt{9})! \times (-0!+4!))^{\sqrt{4}}$.
$19099 := (1+9!)/(0!+9+9)$.
$19437 := (-1+(\sqrt{9})!)!^{\sqrt{4}}-3+7!$.
$19440 := 1 \times (\sqrt{9}+4!) \times (4-0!)!!$.
$19453 := 19 \times 4^5-3$.
$19454 := 19 \times 4^5-\sqrt{4}$.
$19456 := 19 \times \sqrt{\sqrt{4^{5!/6}}}$.
$19459 := 19 \times 4^5+\sqrt{9}$.
$19539 := -1 \times (\sqrt{9})!!/5+3^9$.
$19628 := (-19+6!) \times 28$.
$19682 := -1+\sqrt{\sqrt{\sqrt{9^{6 \times (8-2)}}}}$.
$19739 := (-1+9) \times 7+3^9$.
$19792 := (1+\sqrt{9}) \times (7!-92)$.
$19800 := 1 \times (-(\sqrt{9})!!+8!)/(0!+0!)$.
$19801 := 1+(-(\sqrt{9})!!+8!)/(0!+1)$.
$19824 := 1 \times (-(\sqrt{9})!!+8!)/2+4!$.
$20160 := 2^{0!+1} \times (6+0!)!$.
$20162 := 2+(0!+1+6)!/2$.
$20164 := ((2 \times 0)!+(1+6)!) \times 4$.
$20328 := ((2+0!)!+3!!) \times 28$.
$20465 := (-2-0!+4^6) \times 5$.
$20667 := 2+(-0!+6)^6+7!$.
$20738 := 2+\sqrt{(-0!+7+3!)^8}$.
$20882 := 2+(\sqrt{0!+8})!!+8!/2$.
$20884 := (2+0!)!!+(8+8!)/\sqrt{4}$.
$20909 := (20+9) \times (0!+(\sqrt{9})!!)$.
$21184 := (2^{11}+8!)/\sqrt{4}$.
$21579 := -21+5 \times (7!-(\sqrt{9})!!)$.
$21594 := -(2+1)!+5! \times (\sqrt{9})!!/4$.
$21598 := 2 \times (-1+5! \times (\sqrt{9})!!/8)$.
$21630 := (2-1+6!) \times 30$.
$22316 := -2-2+31 \times 6!$.
$22319 := -2/2+31 \times (\sqrt{9})!!$.
$23024 := (2 \times 3!!-0!) \times 2^4$.
$23024 := 4^2 \times (-0!+3!! \times 2)$.
$23040 := (2+30) \times (4-0!)!!$.
$23298 := 2+32 \times ((\sqrt{9})!!+8)$.
$23330 := 2+3!^{3!}/(3-0!)$.
$23332 := (2^3+3!^{3!})/2$.
$23335 := -2+3 \times (3+3!^5)$.
$23342 := 2+(3!^{3!}+4!)/2$.
$23354 := 2+3 \times 3!^5+4!$.
$23465 := (2+3!!)/\sqrt{4} \times 65$.
$23595 := (-2+35) \times ((\sqrt{9})!!-5)$.
$23669 := \sqrt{(23+6)^6}-(\sqrt{9})!!$.
$23760 := -2 \times 3!!+7! \times (6-0!)$.
$23843 := 2+3^8+4! \times 3!!$.
$24328 := ((2+4!) \times 3!)^2-8$.
$24334 := (2+(4!-3))^3 \times \sqrt{4}$.
$24389 := (24-3+8)^{\sqrt{9}}$.
$24390 := (2+4!+3)^{\sqrt{9}}+0!$.
$24431 := (\sqrt{2^{4!}}-4!) \times 3!-1$.
$24432 := (\sqrt{2^{4!}}-4!) \times 3 \times 2$.
$24434 := (\sqrt{2^{4!}}-4!) \times 3!+\sqrt{4}$.
$24453 := \sqrt{\sqrt{2^{4!}}}+(4!+5)^3$.
$24456 := (\sqrt{2^{4!}}-4 \times 5) \times 6$.
$24504 := (-2+4^5-0!) \times 4!$.
$24528 := (-2+4^5) \times (\sqrt{2 \times 8})!$.
$24538 := (\sqrt{2^{4!}}-5) \times 3!-8$.
$24546 := (2+4) \times (-5+4^6)$.
$24565 := \sqrt{(-2+4!-5)^6} \times 5$.
$24568 := 2^{\sqrt{4!+5!}} \times 6-8$.
$24598 := (\sqrt{2^{4!}}+5) \times (\sqrt{9})!-8$.
$24606 := (\sqrt{2^{4!}}+6-0!) \times 6$.
$24612 := (\sqrt{2^{4!}}+6) \times (1+2)!$.

$24696 := \sqrt{2^{4!}} \times 6 + (\sqrt{9})!!/6.$

$24739 := 2^4 + 7! + 3^9.$

$24960 := (2 + 4!) \times 960.$

$25135 := ((2 + 5)! - 13) \times 5.$

$25137 := 2 + 5 \times (-13 + 7!).$

$25200 := (2 + 5)! \times ((2 + 0!)! - 0!).$

$25344 := ((2 + 5)! + 3!^4) \times 4.$

$25395 := ((2 + 5)! + 39) \times 5.$

$25397 := 2 + 5 \times (39 + 7!).$

$25668 := (-2 - 5 + 6!) \times \sqrt{\sqrt{6^8}}.$

$25790 := (-2 + 5! + 7!) \times ((\sqrt{9})! - 0!).$

$25893 := -3 \times 9 + 8! - 5!^2.$

$25914 := -(-2 + 5)! + 9!/14.$

$26364 := 26^3 \times 6/4.$

$26493 := (2 + 6)! - 4!^{\sqrt{9}} - 3.$

$26498 := 2 - (6 \times 4)^{\sqrt{9}} + 8!.$

$26499 := (2 + 6)! - 4!^{\sqrt{9}} + \sqrt{9}.$

$26638 := -(2 + 6!) + 6! \times 38.$

$26832 := (-(-2 + 6)! + 8!/3) \times 2.$

$26879 := (-2 + 6 \times 8! - 7)/9.$

$26880 := ((2 + 6)! + 8!)/\sqrt{8 + 0!}.$

$26884 := 2 \times (6 + 8!) \times 8/4!.$

$26890 := 2 \times (6 + 8!/\sqrt{9} - 0!).$

$26891 := 2 \times (6 + 8!/\sqrt{9}) - 1.$

$26896 := 2 \times ((6 + 8!)/\sqrt{9} + 6).$

$26995 := (2 \times (6 + 9))^{\sqrt{9}} - 5.$

$26998 := -2 + (6 + 9)^{\sqrt{9}} \times 8.$

$27384 := (\sqrt{2 + 7})!! \times 38 + 4!.$

$27392 := 2^7 \times (3!^{\sqrt{9}} - 2).$

$27639 := 2^7 \times 6^3 - 9.$

$27746 := 2 \times (7 \times 7 + \sqrt{4!^6}).$

$27837 := -2 - \sqrt{7^8} + 3! \times 7!.$

$28320 := 2 \times (8!/3 + (2 + 0!)!!).$

$28438 := -2 + 8! - (4 \times 3)!/8!.$

$28544 := -2^8 + \sqrt{5!^4 \times 4}.$

$28563 := \sqrt{(3 \times 6 - 5)^8} + 2.$

$28576 := (2^8 + 5!) \times 76.$

$28640 := -(\sqrt{2 \times 8} - 6!) \times 40.$

$28671 := \sqrt{(2 \times 8)^6} \times 7 - 1.$

$28672 := \sqrt{(2 \times 8)^6 \times 7^2}.$

$28674 := \sqrt{(2 \times 8)^6} \times 7 + \sqrt{4}.$

$28704 := (-2^8 + 7!) \times (0! + \sqrt{4})!.$

$28775 := (2 + 8!/7 - 7) \times 5.$

$28790 := (-2 + 8!/7) \times ((\sqrt{9})! - 0!).$

$29280 := 2 \times (\sqrt{(9 + 2)^8} - 0!).$

$29281 := 2 \times \sqrt{(9 + 2)^8} - 1.$

$29282 := 2 \times (9 + 2)^{8/2}.$

$29284 := 2 + \sqrt{(9 + 2)^8 \times 4}.$

$29294 := 2 \times ((\sqrt{9})! + (2 + 9)^4).$

$29414 := (-2 + (\sqrt{9})!!) \times 41 - 4!.$

$29435 := \sqrt{29^4} \times 35.$

$29520 := ((-2 + 9)! - 5!) \times (2 + 0!)!.$

$29522 := 2 + (\sqrt{9})!! + 5!^2 \times 2.$

$29524 := (2 \times 9^5 - 2)/4.$

$29526 := 2 \times (\sqrt{9} + 5!^2) + 6!.$

$29641 := -2 + (\sqrt{9} + 6!) \times 41.$

$29676 := (2 - 96 + 7!) \times 6.$

$29728 := -2^9 + 7! \times (-2 + 8).$

$29790 := ((-2 + (\sqrt{9})!)! + 7)^{\sqrt{9}} - 0!.$

$29952 := 2^{(\sqrt{9})!} \times 9 \times 52.$

$29979 := -29 \times 9 + 7! \times (\sqrt{9})!.$

$30270 := 3! \times ((0! + 2)! + 7! - 0!).$

$30312 := 3! \times ((0! + 3!)! + 12).$

$30360 := (3! - 0!)! + 3! \times (6 + 0!)!.$

$30532 := -3!! + (0! + 5^{3!}) \times 2.$

$30624 := 3! \times ((0! + 6)! + \sqrt{\sqrt{2^{4!}}}).$

$30672 := 3! \times ((0! + 6)! + 72).$

$30792 := 3! \times ((0 + 7)! + 92).$

$30984 := \left(-3! + 0! + \sqrt{(\sqrt{9})!^8}\right) \times 4!.$

$31104 := \sqrt{3!^{1 \times 10}} \times 4.$

$31253 := 3 + 1 \times 2 \times 5^{3!}.$

$31256 := 3! + 1 \times 2 \times 5^6.$

$31684 := (31 \times 6 - 8)^{\sqrt{4}}.$

$31974 := 3! \times (1 + 9!/7!)^{\sqrt{4}}.$

$32085 := -3!! + (2 + 0!)^8 \times 5.$

$32355 := 3^2 \times (3!! \times 5 - 5).$

$32400 := ((3 \times 2)!/4)^{0! + 0!}.$

$32424 := ((3 \times 2)!/4)^2 + 4!.$

$32445 := (3!! + 2/\sqrt{4}) \times 45.$

$32490 := (3!! + 2/\sqrt{4}) \times 90.$

$32548 := -(3 \times 2)^5 + 4 + 8!.$

$32759 := (3 - 2 + 7)^5 - 9.$

$32760 := (-3!!/2 + 7!) \times (6 + 0!).$

$32765 := -3 + (2 \times 7 - 6)^5.$

$32772 := 3! \times (2 + 7!) + 7!/2.$

$32785 := (3 + 2 \times 7) + 8^5.$

$32804 := 3!^2 + 8^{0! + 4}.$

$32848 := 3!! - 2 \times 8^4 + 8!.$

$32888 := (3 + 2)! + 8 \times \sqrt{8^8}.$

$32977 := (-329 + 7!) \times 7.$

$32985 := (3!^2 + \sqrt{9^8}) \times 5.$

$32989 := (-3 + 2 + 9!)/(8 + \sqrt{9}).$

$32992 := (32 + 9!)/(9 + 2).$

$32994 := (3!!/2 - 9) \times 94.$

$33124 := (3!!/(3 + 1) + 2)^{\sqrt{4}}.$

$33482 := 3!! - 3! + 4^8/2.$

$33485 := -3 + (3 \times \sqrt{4})! + 8^5.$

$33492 := 3 + (3!!/4 + \sqrt{9})^2.$

$33585 := (-3 + (3!! + 5!) \times 8) \times 5.$

$33741 := (-3!! + 3^7) \times (4! - 1).$

$33759 := -3 \times 3^7 + (5 + \sqrt{9})!.$

$33840 := 3!! \times 3! \times 8 - (4 \times 0)!.$

$33844 := 3!! + ((3!! + 8)/4)^{\sqrt{4}}.$

$33845 := 5 + 48 \times 3!! - 3!!.$

$33876 := 3! \times (3! + 8!/7) - 6!.$

$33885 := 3! - 3^8 + 8! + 5!.$

$34344 := (3 + 4!) \times (3!^4 - 4!).$

$34425 := 3^4 \times 425.$

$34440 := 3!! \times 4! \times \sqrt{4} - (4 + 0!)!.$

$34445 := (3^4 + \sqrt{4})^{\sqrt{4}} \times 5.$

$34480 := (3!! \times 4! \times \sqrt{4}) - 80.$

$34492 := (-34 + 4! \times (\sqrt{9})!!) \times 2.$

$34550 := (3!! - 4! - 5) \times 50.$

$34632 := 3! \times (4 \times 6! + 3!) \times 2.$

$34650 := (-3 - 4! + 6!) \times 50.$

$34713 := (-3^4 + 7!) \times (1 + 3!).$

$34727 := (-3^4 + 7! + 2) \times 7.$

$34752 := 3 \times 4^7 - 5!^2.$

$34776 := (-3 \times 4! + 7!) \times 7!/6!.$

$34795 := 3!! + 47 \times ((\sqrt{9})!! + 5).$

$34839 := \sqrt{\sqrt{(3 + 4)^8}} \times (3!! - 9).$

$34848 := (3!! - \sqrt{4} + 8) \times 48.$

$34950 := (3 - 4! + (\sqrt{9})!!) \times 50.$

$34956 := 3! \times (4! \times \sqrt{9^5} - 6).$

$34995 := 3 + 4! \times (\sqrt{9})! \times \sqrt{9^5}.$

$35037 := -3^5 + (0! + 3!) \times 7!.$

$35231 := (-3 + 52) \times (3!! - 1).$

$35270 := -3 + (5 + 2) \times (7! - 0!).$

$35273 := (-3!! + (5 \times 2)!) \times 7/3!!.$

$35328 := (3!!/5 - 3!) \times 2^8.$

$35344 := ((3! - 53) \times 4)^{\sqrt{4}}.$

$35378 := (3!! + 5 - 3) \times \sqrt{\sqrt{7^8}}.$

$35672 := (3 + 5 + 6!) \times 7^2.$

$35721 := 3^5 \times 7 \times 21.$

$35784 := 3! \times (-5! + \sqrt{78^4}).$

$35793 := 3 \times 97 \times (5! + 3).$

$35850 := (3!! + 5 - 8) \times 50.$

$35880 := 3!! - 5! + 8! - (8 - 0!)!.$

$35910 := (3!! \times 5 - 9) \times 10.$

$35928 := -3 \times 5! + 9!/(2 + 8).$

$35945 := 35 \times (\sqrt{9} + 4^5).$

$35949 := \sqrt{3!!/5} + (9 + 4!)^{\sqrt{9}}.$

$35950 := (3!! + 5 - (\sqrt{9})!) \times 50.$

$35970 := -3! \times (5 + (\sqrt{9})!!) + (7 + 0!)!.$

$35999 := \left(\sqrt{(3!! \times 5)^{\sqrt{9}}} - (\sqrt{9})!\right) / (\sqrt{9})!.$

$36000 := 3! \times 6000.$

$36007 := 3!! + (6 + 0!) \times (0! + 7!).$

$36049 := 3!! + (6! + 0!) \times 49.$

$36050 := ((\sqrt{36})! + 0!) \times 50.$

$36051 := -3!! + (6! + 0!) \times 51.$

$36150 := (3 + 6!) \times 1 \times 50.$

$36250 := (3 + 6! + 2) \times 50.$

$36284 := (3 + 6)!/(2 + 8) - 4.$

$36348 := -3 - \sqrt{63^4} + 8!.$

$36414 := (-3! + 6!)^{\sqrt{4}}/14.$

$36432 := (3^6 \times 4! + 3!!) \times 2.$

$36438 := (3! - 6^4 \times 3) + 8!.$

$36450 := 3^{\sqrt{\sqrt{6^4}}} \times 50.$

$36465 := (\sqrt{3^6} + 4!) \times (6! - 5).$

$36550 := (3!! + 6 + 5) \times 50.$

$36720 := 3!! + 6! \times (7^2 + 0!).$

$36850 := (3^6 + 8) \times 50.$

$36984 := 3!!/6 + 9 \times 8^4.$

$37179 := 3^7 \times (1 + 7 + 9).$

$37428 := -(3!! + 7! + 4!)/2 + 8!.$

$37467 := 3^7 + (\sqrt{4} + 6)! - 7!.$

$37485 := \sqrt{(3 \times 7)^4} \times 85.$

$37587 := 3^7 + 5! + 8! - 7!.$

$37752 := (3! + 7!/7) \times 52.$

$37794 := -3! + 7 \times (7! + (\sqrt{9})!!/\sqrt{4}).$

$37814 := 3! + 7! + 8^{1+4}.$

$37893 := -3^7 + 8! - (\sqrt{9})!!/3.$

$37899 := 3^7 \times (8 + 9) + (\sqrt{9})!!.$

$37998 := 3!^7 - (\sqrt{9})! \times (\sqrt{9} + 8!).$

$38127 := -3! + 8! - (1 + 2)^7.$

$38137 := 3 + 8! + 1 - 3^7.$

$38160 := 3!! \times (-8 + 1 + 60).$

$38162 := -3!! + 8! + (1 - 6!) \times 2.$

$38163 := 3 + 8! - 1 \times 6! \times 3.$

$38164 := 3!! + 8! + (1 - 6!) \times 4.$

$38169 := 3! + 8! + (1 - 6!) \times \sqrt{9}.$

$38304 := -3!! + 8! - 3!^{0+4}.$

$38394 := \sqrt{3!^8} \times (3!! - 9)/4!.$

$38405 := (3! + 8)^4 - \sqrt{0! + 5!}.$

$38408 := (3! + 8)^4 - 0 - 8.$

$38409 := (3! + 8)^4 - 0! - (\sqrt{9})!.$

$38413 := (3! + 8)^4 - 1 \times 3.$

$38414 := (3! + 8)^4 - 1 \times \sqrt{4}.$

$38415 := (3! + 8)^4 - 1^5.$

$38416 := (38 - 4!)^{\sqrt{16}}.$

$38417 := (3! + 8)^4 + 1^7.$

$38419 := (3! + 8)^4 + 1 \times \sqrt{9}.$

$38424 := (3! + 8)^4 + 2 \times 4.$

$38434 := (3! + 8)^4 - 3! + 4!.$

$38437 := (3! + 8)^4 + 3 \times 7.$

$38475 := \sqrt{3^8} \times 475.$

$38479 := (3! + 8)^4 + 7 \times 9.$

$38496 := -3! \times (\sqrt{8^4} - 9 \times 6!).$

$38544 := (3! + \sqrt{(8 \times 5)^4}) \times 4!.$

$38638 := 3^8 \times 6 - 3!! - 8.$

$38646 := 3^8 \times \sqrt{\sqrt{6^4}} - 6!.$

$38694 := -3! + 8! - 6! \times 9/4.$

$38728 := -3!! - 872 + 8!.$

$38793 := -3^8 + 7! \times 9 - 3!.$

$38800 := -3!! + 8! - 800.$

$38808 := -3 \times 8!/80 + 8!.$

$38838 := 3! \times (-88 + 3^8).$

$38856 := (3^8 - 85) \times 6.$

$38874 := -3! + 8! - 8!/(7 \times 4).$

$38895 := -\sqrt{3!^8} + 8! - 9 - 5!.$

$38952 := \sqrt{(\sqrt{3!^8})} \times (9 \times 5! + 2).$

$38970 := -3!! + 8! - 9 \times 70.$

$38986 := -3 + 8! - \sqrt{(\sqrt{9} + 8)^6}.$

$38988 := -\sqrt{3!^8} - \sqrt{\sqrt{(\sqrt{9})!^8}} + 8!.$

$39248 := 3!! \times 9 + \sqrt{2^{4!}} \times 8.$

$39249 := (3!! + 9^2) \times 49.$

$39283 := 3^9 \times 2 - 83.$

$39294 := 3^9 \times 2 - \sqrt{9} \times 4!.$

$39297 := (3! \times (\sqrt{9})! - 2)^{\sqrt{9}} - 7.$

$39318 := 3! \times (9^{3+1} - 8).$

$39342 := (3^9 - 3 \times 4) \times 2.$

$39343 := 39 + 34^3.$

$39354 := 3! \times (\sqrt{9^{3+5}} - \sqrt{4}).$

$39358 := 3^9 \times (-3 + 5) - 8.$

$39360 := 3! \times (9 \times 3^6 - 0!).$

$39372 := (3 + 9 \times 3^7) \times 2.$

$39378 := -3!! - (\sqrt{9})! \times 37 + 8!.$

$39388 := (3! - 938) + 8!.$

$39402 := (3! + 9^4) \times (0! + 2)!.$

$39408 := 3! \times (9^4 - 0! + 8).$

$39412 := (3^9 + 4! - 1) \times 2.$

$39414 := (3^9 + 4!) \times 1 \times \sqrt{4}.$

$39494 := (3^9 + 4^{\sqrt{9}}) \times \sqrt{4}.$

$39495 := 3! \times 9^4 + 9 + 5!.$

$39550 := -3!! + (\sqrt{9} + 5)! - 50.$

$39570 := -3!! - (\sqrt{9})! \times 5 + (7 + 0!)!.$

$39590 := -3!! - 9 + (5 + \sqrt{9})! - 0!.$

$39654 := (3^9 + 6!/5) \times \sqrt{4}.$

$39799 := 39 + (-7! + 9!)/9.$

$39840 := 3!!/\sqrt{9} + 8! - (4 - 0!)!!.$

$39842 := 3^9 + (8! - \sqrt{4})/2.$

$39843 := 3^9 + 8!/(-4 + 3!).$

$39844 := 3^9 + (8! + \sqrt{4})/\sqrt{4}.$

$39848 := (-3!^{\sqrt{9}} + 8!) - \sqrt{4^8}.$

$39849 := 3^9 + 8!/\sqrt{4} + (\sqrt{9})!.$

$39924 := 3!! + 99^2 \times 4.$

$39930 := (3! + (\sqrt{9})!!) \times (9 \times 3! + 0!).$

$39954 := -3! + (\sqrt{9})!! \times (-9 + 5!)/\sqrt{4}.$

$39960 := (3!! - 9 \times (\sqrt{9})!) \times 60.$

$40088 := 4! - (0! + 0!)^8 + 8!.$

$40260 := (4 \times (0 + 2))! - 60.$

$40270 := -(4! + 0!) \times 2 + (7 + 0!)!.$

$40290 := -4! - (0! + 2)! + (9 - 0!)!.$

$40310 := (\sqrt{4^{0+3}})! - 10.$

$40355 := 40 + (3 + 5)! - 5.$

$40360 := 40 + (3 + 6 - 0!)!.$

$40378 := \sqrt{4} + (0! + 3!!) \times 7 \times 8.$

$40399 := -(4 \times 0)! + (3!! + 9!)/9.$

$40656 := ((4 - 0!)! + 6!) \times 56.$

$40688 := (40 + 6) \times 8 + 8!.$

$40788 := (4 - 0!)! \times 78 + 8!.$

$40829 := -4 + 0! + 8! + 2^9.$

$40879 := -(4 \times 0)! + 8! + 7!/9.$

$40984 := 4! + (0! + 9) \times 8^4.$

$41040 := (-\sqrt{4} + 10)! + (4 - 0!)!!.$

$41338 := 4^{(-1+3!)} - 3! + 8!.$

$41344 := 4^{(-1+3!)} + (4 + 4)!.$

$41463 := (4 - 1) \times (\sqrt{4!^6} - 3).$

$41466 := (4 - 1) \times \sqrt{4!^6} - 6.$

$41469 := (4 - 1) \times \sqrt{4!^6} - \sqrt{9}.$

$41493 := 4! + (-1 + 4!^{\sqrt{9}}) \times 3.$

$41496 := 4! \times (1 + \sqrt{(4 \times \sqrt{9})^6}).$

$41758 := -\sqrt{4} + (-1 + 7)! \times 58.$

$41760 := (-4! + (-1 + 7)!) \times 60.$

$41998 := -\sqrt{4} + (1 + (\sqrt{9})!)!/\sqrt{9} + 8!.$

$42873 := -\sqrt{4} + (28 + 7)^3.$

$42879 := 4 + (28 + 7)^{\sqrt{9}}.$

$42960 := (-4 + (2 \times \sqrt{9})!) \times 60.$

$42975 := (4!^2 - \sqrt{9}) \times 75.$

$42984 := -4! + 2^9 \times 84.$

$42995 := (4! + 2 + 9)^{\sqrt{9}} + 5!.$

$43152 := (4! + (3!! - 1) \times 5!)/2.$

$43205 := (4! \times 3!!/2 + 0!) \times 5.$

$43224 := 4! + 3!!^2 \times 2/4!.$

$43230 := (4! + 3!) \times (2 \times 3!! + 0!).$

$43260 := (4! + 3!^2) \times (6! + 0!).$

$43320 := (\sqrt{4} + 3!!) \times 3 \times 20.$

$43328 := 4 \times (3!! + 32) + 8!.$

$43440 := (4 + 3!!)/\sqrt{4} \times (4 + 0!)!.$

$43452 := (4! + (3!! + 4) \times 5!)/2.$
$43562 := (4 + 3!! + 5! \times 6!)/2.$
$43564 := 4 + (3!! + 5! \times 6!)/\sqrt{4}.$
$43593 := -\sqrt{4} + 35^{\sqrt{9}} + 3!!.$
$43599 := 4 + 35^{\sqrt{9}} + (\sqrt{9})!!.$
$43631 := (4!^3 + 6!) \times 3 - 1.$
$43632 := (4!^3 + 6!) \times 3!/2.$
$43740 := 4 \times 3^7 \times (4 + 0!).$
$43744 := 4 + 3^7 \times (4! - 4).$
$43775 := (4 \times 3^7 + 7) \times 5.$
$43776 := 4! \times (-3 + 7)! \times 76.$
$43856 := -4^3 + 8! + 5 \times 6!.$
$43920 := (4^3 - \sqrt{9}) \times (2 + 0!)!!.$
$43924 := 4 - 3!! \times (\sqrt{9} - \sqrt{\sqrt{2^{4!}}}).$
$44298 := 442 \times 9 + 8!.$
$44386 := -4! + 4^{3!} + 8! - 6.$
$44389 := -4! + 4^{3!} + 8! + \sqrt{9}.$
$44392 := -4! + 4^{3!} + ((\sqrt{9})! + 2)!.$
$44398 := \sqrt{\sqrt{4^{4!}}} - 3 \times (\sqrt{9})! + 8!.$
$44418 := \sqrt{4} + 4^{(4-1)!} + 8!.$
$44428 := \sqrt{\sqrt{4^{4!}}} + 4!/2 + 8!.$
$44438 := 4! - \sqrt{4} + 4^{3!} + 8!.$
$44640 := (4 + 4)! + 6 \times (4 - 0!)!!.$
$44652 := (4! + (4! + 6!) \times 5!)/2.$
$44662 := 4! - \sqrt{4} + 6! \times 62.$
$44938 := (-\sqrt{\sqrt{4^{4!}}} + 9! + 3!!)/8.$
$44998 := (-4 \times (4 + (\sqrt{9})!!) + 9!)/8.$
$45125 := ((4! - (5! - 1))^2) \times 5.$
$45298 := -(4 + 5!)/2 + 9!/8.$
$45328 := (\sqrt{4} + 5)! - 32 + 8!.$
$45344 := (4^5 + 3!!) \times (4! + \sqrt{4}).$
$45398 := (4^5 - 3!! + 9!)/8.$
$45478 := \sqrt{4} + 5! - 4 + 7! + 8!.$
$45568 := \sqrt{\sqrt{\sqrt{4^{5!/5}}}} \times (6! - 8).$
$45576 := -4! + 5! \times 5 \times 76.$
$45598 := -\sqrt{4} + 5! + 5! + 9!/8.$
$45631 := -4^5 + 6^{3!} - 1.$
$45634 := -4^5 + 6^{3!} + \sqrt{4}.$
$45824 := (-4 + (-5 + 8)!!) \times \sqrt{\sqrt{2^{4!}}}.$
$45840 := \sqrt{4} \times 5! \times (8 \times 4! - 0!).$
$45945 := (4^5 - \sqrt{9}) \times 45.$
$45947 := 4 \times 5 + 9^4 \times 7.$
$45978 := (4! - 5! + 9! + 7!)/8.$
$45990 := ((\sqrt{4} + 5)! + 9!)/(9 - 0!).$
$45999 := ((\sqrt{4} + 5)! - 9) \times 9 + (\sqrt{9})!!.$
$46104 := 4! + 6! \times \sqrt{\sqrt{(1 + 0!)^{4!}}}.$
$46506 := (-4! + 6^5 - 0!) \times 6.$
$46512 := (-4! + 6^5) \times (1 + 2)!.$
$46616 := -4! + 6^6 - 16.$
$46630 := 4 + 6^6 - 30.$
$46640 := 4! + 6^6 - 40.$
$46650 := -\sqrt{4} + 6^6 - 5 + 0!.$
$46670 := (\sqrt{4} - 6!) \times (6 - \sqrt{7! + 0!}).$
$46690 := 4! + 6^6 + 9 + 0!.$
$46699 := 46 + 6^{(\sqrt{9})!} - \sqrt{9}.$
$46784 := (4 + 6! + 7) \times \sqrt{8^4}.$
$46992 := -4! + 6^{(\sqrt{9})!} + (\sqrt{9})!!/2.$
$46998 := (\sqrt{4!^6} + 9! - (\sqrt{9})!!)/8.$
$47397 := (4!^{7-3} + \sqrt{9})/7.$
$47520 := (4 + 7)!/(5! + (2 + 0!)!!).$
$47524 := (4 + 7 - 5!)^2 \times 4.$
$47526 := (4! + 7 - 5!)^2 \times 6.$
$47548 := 4 \times (7 + (\sqrt{5! + 4!})!/8!).$
$47744 := (\sqrt{4} + 7)!/7 - \sqrt{\sqrt{4^{4!}}}.$
$47872 := (-4^7 + 8 \times 7!) \times 2.$
$47876 := -4 + 7!/8 \times 76.$
$48095 := -\sqrt{4} + 8! + 0! + (\sqrt{9})!^5.$
$48236 := -4 + (8^2 + 3) \times 6!.$
$48334 := -\sqrt{4} + 3!^{3!} + 8!/4!.$
$48355 := -4! + 8! \times 3!/5 - 5.$
$48360 := -4! + 8! \times 3!/(6 - 0!).$
$48385 := 4 + 8! - 3 + 8!/5.$
$48488 := -4! + 8! + 4^8/8.$
$48528 := (4! + 8!/5) \times (-2 + 8).$
$48564 := (4! \times 8!/5 + 6!)/4.$
$48664 := (-4 + 6!) \times 68 - 4!.$
$48729 := 4^8 - 7^{2+\sqrt{9}}.$
$49068 := 4 \times \sqrt{9^{0!+6}} + 8!.$
$49147 := -\sqrt{4} + \sqrt{9} \times (-1 + 4^7).$
$49173 := (4^{(\sqrt{9})!+1} + 7) \times 3.$
$49368 := (\sqrt{4 \times 9} + 3!!) \times 68.$
$49374 := (4! + 7!) \times 39/4.$
$49456 := 49 \times 4^5 - 6!.$
$49575 := \sqrt{4^{\sqrt{9} \times 5}} + 7^5.$
$49693 := 4 + 9 + 69 \times 3!!.$
$49723 := (4! \times 9 + 7)^2 - 3!.$
$49770 := (-\sqrt{4} + (\sqrt{9})!! - 7) \times 70.$
$49896 := -4! \times (\sqrt{\sqrt{9^8}} - \sqrt{9} \times 6!).$
$50653 := (-5 + (0! + 6)!/5!)^3.$
$50745 := (5!/(0! + 7))^4 + 5!.$
$51425 := (5! + 1) \times 425.$
$51686 := (-5! + 1 + 6!) \times 86.$
$51960 := 5! + 1 \times 9!/(6 + 0!).$
$51961 := 5! + 1 + 9!/(6 + 1).$
$52488 := (5 - 2 \times 4)^{8 \times 8}.$
$52822 := \sqrt{(5 + 2)^8} \times 22.$
$53289 := (5! - 3)^2 + 8! - (\sqrt{9})!!.$
$53376 := ((5 + 3)! + 3!^7)/6.$
$53448 := (5! + 3^{4+4}) \times 8.$
$53475 := (-5 + 3!! - \sqrt{4}) \times 75.$
$53742 := (-5! + 3^7) \times (4! + 2).$
$53880 := 5! \times \sqrt{(-3 + 8) \times 8! + 0!}.$
$53883 := 5! + 3 + 8! + 8!/3.$
$53886 := 5! + 3! + 8 \times 8!/6.$
$53984 := ((5 \times 3!)^{\sqrt{9}} - 8) \times \sqrt{4}.$
$53994 := ((5 \times 3!)^{\sqrt{9}} - \sqrt{9}) \times \sqrt{4}.$
$54075 := ((\sqrt{5 + 4})!! + 0!) \times 75.$
$54238 := (5! - \sqrt{4})^2 - 3! + 8!.$
$54244 := (5! - \sqrt{4})^2 + (4 + 4)!.$
$54248 := (5! - \sqrt{4})^2 + 4 + 8!.$
$54336 := 5! \times 4^3 + 3!^6.$
$54375 := (5 + (\sqrt{4} \times 3)!) \times 75.$
$54476 := (5! + 4!^4 - 7!)/6.$
$54675 := \sqrt{(5 + 4)^6} \times 75.$
$54678 := (5 - 4! + 6!) \times 78.$
$54715 := 5!^{\sqrt{4}} + (7 + 1)! - 5.$
$54720 := 5!^{\sqrt{4}} + (7 + (2 \times 0)!)!.$
$54748 := 5!^{\sqrt{4}} + 7 \times 4 + 8!.$
$54756 := 54 \times (7!/5 + 6).$
$54768 := 5!^{\sqrt{4}} + (7! + 6) \times 8.$
$54840 := 5!^{\sqrt{4}} + 8! + (4 + 0!)!.$
$54872 := (5!/4 + 8)^{\sqrt{7+2}}.$
$54979 := -5 + (-4! + (\sqrt{9})!!) \times 79.$
$55680 := (-5!/5 + 6!) \times 80.$
$55875 := (5! + \sqrt{5^8}) \times 75.$
$55948 := 5 + 5^{(\sqrt{9})!} - \sqrt{4} + 8!.$
$56280 := 5! + 6! \times (-2 + 80).$
$56644 := (5! - 6/6)^{\sqrt{4}} \times 4.$
$56649 := 5 + (-6 + 6!)^{\sqrt{4}}/9.$
$56760 := (5 + 6) \times (7! + (6 - 0!)!).$
$56950 := -5^6 + 9!/5 - 0!.$
$56951 := -5^6 + 9!/5 \times 1.$
$57480 := -5! + (7 - 4)!! \times 80.$
$57504 := (-5 + 7^{(5-0!)}) \times 4!.$
$57600 := 5 \times (7! + 6!) \times (0! + 0!).$
$57744 := (5 + (7 \times 7)^{\sqrt{4}}) \times 4!.$
$57845 := 5^7 - 8!/\sqrt{4} - 5!.$
$57960 := 5! \times 7 \times (9 + 60).$
$57969 := (5! - 7) \times (9!/6! + 9).$
$57974 := 5^7 + 9 - 7! \times 4.$
$58119 := -5! + 81 \times (-1 + (\sqrt{9})!!).$
$58195 := -5! + 81 \times (\sqrt{9})!! - 5.$
$58344 := (-5 + 8)!! \times 3^4 + 4!.$
$58560 := 5! \times 8 \times (\sqrt{5 \times 6!} + 0!).$
$58564 := (5! + 8 + 5! - 6)^{\sqrt{4}}.$
$58795 := 5 \times (8! - 7!)/\sqrt{9} - 5.$

$58799 := (5 \times (8! - 7!) - \sqrt{9})/\sqrt{9}.$

$58937 := -5! + 8 + \sqrt{9^{3+7}}.$

$58960 := (5 \times 8)^{\sqrt{9}} - (6 + 0!)!.$

$58962 := (5! \times 8 - 9) \times 62.$

$58969 := (-(-5 + 8)!! + 9^6)/9.$

$58982 := -58 + (\sqrt{9})!! \times 82.$

$58991 := -58 + \sqrt{9^{9+1}}.$

$58995 := -(-5 + 8)! \times 9 + 9^5.$

$59050 := (5 + \sqrt{9} + 0!)^5 + 0!.$

$59054 := 5 + 9^{(0/5)!+4}.$

$59324 := (42 - 3)^{\sqrt{9}} + 5.$

$59352 := (-5! + 9!/3!!) \times (5! - 2).$

$59472 := (5! + (\sqrt{9})!) \times 472.$

$59554 := -5! + 9^5 + (5^4).$

$59635 := -5! + 9!/6 - 3!! - 5.$

$59640 := -5! + 9!/6 - (4 - 0!)!!.$

$59644 := (5^{(\sqrt{9})!} - 6!) \times 4 + 4!.$

$59664 := -5! + 9!/6 - 6! + 4!.$

$59784 := -5! + ((\sqrt{9})!^7 - 8!)/4.$

$59956 := (-5! + 9! - 9!/5!)/6.$

$59975 := -5^{(\sqrt{9})!} + \sqrt{9} \times 7! \times 5.$

$59996 := (5! + 9!)/(\sqrt{9})! - 9!/6!.$

$60496 := ((6 - 0!)! - 4! + 9!)/6.$

$60593 := -6 - 0! + 5! + 9!/3!.$

$60696 := \sqrt{6^{0+6}} + 9!/6.$

$60984 := (6 + (\sqrt{0 + 9})!!) \times 84.$

$61285 := (6! + 1^2) \times 85.$

$62208 := 6^{2^{2}+0!} \times 8.$

$62436 := (62 + 4!) \times (3! + 6!).$

$62640 := 6! \times (2^6 + 4! - 0!).$

$63504 := (63 \times (5 - 0!))^{\sqrt{4}}.$

$63648 := 6 \times 3 \times 6^4 + 8!.$

$63888 := \left(6 + \left(\sqrt{\sqrt{\sqrt{3^8}}}\right)!!\right) \times 88.$

$63945 := 63 \times (-9 + 4^5).$

$63985 := 6! \times (3!! - 9)/8 - 5.$

$63990 := ((6 - 3)!! - 9) \times 90.$

$63995 := (6!/(3 \times (\sqrt{9})!))^{\sqrt{9}} - 5.$

$64080 := 6! \times ((4 - 0!)!!/8 - 0!).$

$64096 := -6! + 4^{(-0!+9)} - 6!.$

$64528 := ((\sqrt{64})!/5 + 2) \times 8.$

$64550 := (6^4 - 5) \times 50.$

$64620 := 6!/4 \times (6!/2 - 0!).$

$64638 := (-6^4 + 6! \times 3!!)/8.$

$64696 := (6! + 9!)/6 + 4^6.$

$64784 := -6! + (4^7 - 8) \times 4.$

$64796 := -6! - 4 + 7! + 9!/6.$

$64798 := (6!^{\sqrt{4}} - 7 - 9)/8.$

$64950 := (6^4 + \sqrt{9}) \times 50.$

$65248 := -6!/5 \times 2 + 4^8.$

$65471 := -65 + 4^{7+1}.$

$65495 := (-6! - 5 + 4!^{\sqrt{9}}) \times 5.$

$65507 := 65/5 \times (-0! + 7!).$

$65520 := (6 + 5!) \times 520.$

$65548 := \sqrt{6 \times 5!/5} + 4^8.$

$66234 := -6 + 6! \times 23 \times 4.$

$66240 := 6! \times (6 - 2) \times (4! - 0!).$

$66246 := 6 + 6! \times 2 \times 46.$

$66816 := 6^6 + 8!/\sqrt{\sqrt{16}}.$

$66960 := 6! \times (-\sqrt{6! + 9} + (6 - 0!)!).$

$67234 := 6 + 7^{2+3} \times 4.$

$67534 := -6 + 7! + 5^{3!} \times 4.$

$67680 := (6 + 7!/6) \times 80.$

$67968 := (\sqrt{6^{7+\sqrt{9}}} + 6!) \times 8.$

$68352 := 2^5 \times 3 \times (-8 + 6!).$

$68395 := (6! + 8! - 3)/\sqrt{9} \times 5.$

$68448 := (6! + 8) \times 4 + 4^8.$

$69465 := (69 + \sqrt{4!^6}) \times 5.$

$69714 := -6! + (-9 + 7!) \times 14.$

$69744 := 6! \times 97 - 4 \times 4!.$

$69759 := 69 \times (7!/5 + \sqrt{9}).$

$69770 := 6! \times 97 - 70.$

$69774 := (6 \times (\sqrt{9})!^7 - 7!)/4!.$

$69795 := 6! \times 97 - 9 \times 5.$

$69804 := (-6! + (\sqrt{9})!^{(8-0!)})/4.$

$69835 := 6! \times 98 - 3!! - 5.$

$69840 := 6! \times (98 - (4 \times 0)!).$

$69954 := 6 + 9 \times ((\sqrt{9})!^5 - 4).$

$69982 := 6 \times 9 \times \sqrt{(\sqrt{9})!^8} - 2.$

$69990 := 6 + 9 \times \sqrt{(\sqrt{9})!^{9+0!}}.$

$70560 := 70/5 \times (6 + 0!)!.$

$70993 := 7^{(\sqrt{0+9})!} - (\sqrt{9})!^{3!}.$

$72350 := (7 + 2 \times 3!!) \times 50.$

$72495 := -\sqrt{(7 + 2)^4} + 9!/5.$

$72538 := (7 + 2)!/5 - 38.$

$72546 := (7 + 2)!/5 - 4! - 6.$

$72551 := ((7 + 2)! - 5!)/5 - 1.$

$72552 := ((7 + 2)! - 5!)/\sqrt{5^2}.$

$72554 := ((7 + 2)! - 5!)/5 + \sqrt{4}.$

$72556 := (7 + 2)!/5 - 5!/6.$

$72564 := (7 + 2)!/5 - 6 \times \sqrt{4}.$

$72565 := (7 + 2)!/5 - 6 - 5.$

$72570 := (7 + 2)!/5 - 7 + 0!.$

$72577 := (7 + 2)!/5 + 7/7.$

$72582 := (7 + 2)!/5 + 8 - 2.$

$72584 := (7 + 2)!/5 + \sqrt{\sqrt{8^4}}.$

$72594 := (7 + 2)!/5 + 9 \times \sqrt{4}.$

$72595 := 7 \times 2 + 5 + 9!/5.$

$72597 := (7 + 2)!/5 + \sqrt{9} \times 7.$

$72688 := 7 \times (2 + \sqrt{6^8}) \times 8.$

$73364 := (7 \times 3!)^3 - 6! - 4.$

$73368 := (7 \times 3!)^3 - \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$

$73440 := (7! - 3!!) \times (4 \times 4 + 0!).$

$73959 := (7 \times 3!)^{\sqrt{9}} - 5! - 9.$

$73984 := ((7 + 3 \times 9) \times 8)^{\sqrt{4}}.$

$73994 := (7 \times 3!)^{\sqrt{9}} - 94.$

$73998 := (7 \times 3!)^{\sqrt{9}} - (\sqrt{9})!!/8.$

$74880 := -7! + \sqrt{4} \times 8! - (\sqrt{8 + 0!})!!.$

$74887 := 7 + \sqrt{4} \times 8! - 8!/7.$

$74896 := 7! + 4^8 + (\sqrt{9})! \times 6!.$

$74904 := (7^4 + (\sqrt{9})!!) \times (0 + 4)!.$

$75168 := (7 + 51) \times \sqrt{6^8}.$

$75375 := (7!/5 - 3) \times 75.$

$75578 := -7 - (5! - 5! \times 7!)/8.$

$75600 := 7! \times 5 \times 6/(0! + 0!).$

$75615 := (7! - 5 + 6) \times 15.$

$75624 := 7! \times 5 \times 6/2 + 4!.$

$75685 := (7! \times 5! + 6!)/8 - 5.$

$75690 := (7! \times 5! + 6!)/(9 - 0!).$

$75975 := (75 + \sqrt{9} \times 7!) \times 5.$

$76335 := (7 + 6!) \times 3 \times 35.$

$76608 := 7^6 - 6! - 0! - 8!.$

$76609 := 7^6 - 6! - (-0! + 9)!.$

$76832 := \sqrt{(7!/6!)^8} \times 32.$

$77329 := (7 \times 7)^3 - (2^{\sqrt{9}})!.$

$77957 := -7 \times (\sqrt{7 + 9})! + 5^7.$

$78047 := -78 + (0! + 4)^7.$

$78652 := 7 \times (8 + 6 - 5!)^2.$

$79233 := 7^{((\sqrt{9})!-2)} \times 33.$

$79524 := (7 \times \sqrt{9} + 5!)^2 \times 4.$

$79538 := (7^{(\sqrt{9})!} + 5)/3 + 8!.$

$79800 := -7!/(\sqrt{9})! + 8! \times (0! + 0!).$

$79802 := -7!/(\sqrt{9})! + (8! + 0!) \times 2.$

$79824 := -7!/(\sqrt{9})! + 8! \times 2 + 4!.$

$79899 := -7 \times (\sqrt{9} + 8!) - (\sqrt{9})!! + 9!.$

$79926 := -7! + ((\sqrt{9})! - (\sqrt{9})!!)^2/6.$

$79954 := (-7^{\sqrt{9}} + (\sqrt{9} + 5)!) \times \sqrt{4}.$

$80354 := (8! + 0! - 3!!/5) \times \sqrt{4}.$

$80384 := (8! - (-0! + 3!)! - 8) \times \sqrt{4}.$

$80400 := (8! - (0! + 4)!) \times (0! + 0!).$

$80484 := (-80 + \sqrt{4} + 8!) \times \sqrt{4}.$

$80522 := (8! + 0! - 5!/2) \times 2.$

$80532 := (8! - 0! - 53) \times 2.$

$80544 := (8!/\sqrt{-0! + 5} - 4!) \times 4.$

$80570 := 8! \times \sqrt{-0! + 5} - 70.$

$80599 := -8! - 0! + (-5! + 9!)/\sqrt{9}.$

$80630 := (8! + 0! - 6) \times (3 - 0!)$.

$80636 := (8! + 0!) \times 6/3 - 6$.

$80650 := (8! - 0! + 6) \times \sqrt{5 - 0!}$.

$80654 := (8! + 0! + 6!/5!) \times \sqrt{4}$.

$80760 := 8! + (0! + 7)! + (6 - 0!)!$.

$80800 := (80 + 8!) \times (0! + 0!)$.

$81920 := 8^{1+\sqrt{9}} \times 20$.

$82560 := 8 \times 2 \times (5! + (6 + 0!)!)$.

$82656 := (-8^2 + 6!) \times (5! + 6)$.

$82896 := (-8 + (\sqrt{2 \times 8})!^{\sqrt{9}}) \times 6$.

$82936 := -8 + (-2 + (\sqrt{9})!)!^3 \times 6$.

$82937 := (8/2)!^{\sqrt{9}} \times 3! - 7$.

$83328 := 8^2 \times (3! + \sqrt{3!^8})$.

$83384 := (8 + 3!)^3 + 8! \times \sqrt{4}$.

$83456 := -8^{3!} + 4 \times 5! \times 6!$.

$83584 := -8! + (3 \times 5! - 8)^{\sqrt{4}}$.

$83640 := (8 - 3)! \times (6! - 4! + 0!)$.

$83656 := -\sqrt{(8 + 3!)^6} + 5! \times 6!$.

$83755 := (-8!/3!! + 7^5) \times 5$.

$83957 := 8 \times 3^{(\sqrt{9})!} + 5^7$.

$83994 := -8!/3! - (\sqrt{9})! + 9!/4$.

$84050 := (8!/4! + 0!) \times 50$.

$84672 := \sqrt{((8 + 4)^6)} \times 7^2$.

$84736 := 8! \times \sqrt{4} + (7 - 3)^6$.

$84743 := 8! \times \sqrt{4} + 7 + 4^{3!}$.

$84755 := (8 - \sqrt{4})! + 7^5 \times 5$.

$85440 := (-8 + (\sqrt{5 + 4})!!) \times (4 + 0!)!$.

$85442 := (8! + (5 + \sqrt{4})^4) \times 2$.

$85560 := -8 \times 5! + 5! \times (6! + 0!)$.

$85680 := (-8 + 5!) \times 6! + (8 - 0!)!$.

$85734 := (-8 + (5 \times 7)^3) \times \sqrt{4}$.

$86314 := -86 + 3!! \times (1 + 4)!$.

$86400 := (8! + 6! \times 4) \times (0! + 0!)$.

$86402 := (8! + 6! \times 4 + 0!) \times 2$.

$86404 := 8 + 6! \times (4 + 0!)! - 4$.

$86408 := 8 + 6! \times (40/8)!$.

$86440 := (8 + 6! \times 4!) \times (4 + 0!)$.

$86528 := (-8 + 6! + 5!)^2/8$.

$86640 := (8 - 6 + 6!) \times (4 + 0!)!$.

$86938 := 8! + 6^{(\sqrt{9})!} - 38$.

$86956 := 8! + 6^{(\sqrt{9})!} - 5!/6$.

$86970 := 8! + 6^{(\sqrt{9})!} - 7 + 0!$.

$86984 := 8! + 6^{(\sqrt{9})!} + \sqrt{\sqrt{8^4}}$.

$86996 := (8 + 6!) \times ((\sqrt{9})!! - \sqrt{9})/6$.

$87352 := -8 + 7!/3 \times 52$.

$87355 := (8!/7! + 3!!) \times 5! - 5$.

$87379 := ((8!/7!)^{3!} - 7)/\sqrt{9}$.

$87536 := 8 \times 7 + 5! \times 3^6$.

$87595 := (-8 + 7^5 + (\sqrt{9})!!) \times 5$.

$88704 := (88 \times 7!)/(0! + 4)$.

$89460 := -8! + (\sqrt{9})!!/4 \times (6! + 0!)$.

$89471 := 8! + \sqrt{9} \times 4^7 - 1$.

$89474 := 8 + (9! + 4! - 7!)/4$.

$89595 := 8!/9 \times 5!/(\sqrt{9})! - 5$.

$89599 := (8!/(\sqrt{9})! \times 5! - 9)/9$.

$90494 := (-904 + 9!)/4$.

$90534 := (9! - ((-0! + 5)! + 3!!))/4$.

$90690 := (9! - (-0! + 6)!)/(\sqrt{9} + 0!)$.

$90719 := 90 \times 7! - 1 - 9!$.

$90794 := \sqrt{9} + \sqrt{0! + 7!} + 9!/4$.

$90894 := -(\sqrt{9})! + ((0! + 8)! + (\sqrt{9})!!)/4$.

$91435 := 9! \times 1/4 + 3!! - 5$.

$91439 := (\sqrt{9} \times 3)!/4 - 1 + (\sqrt{9})!!$.

$91440 := 9! \times 1/4 + (4 - 0!)!!$.

$91446 := (9! + 1 \times 4!)/4 + 6!$.

$91464 := 9! \times 1/4 + 6! + 4!$.

$91560 := ((\sqrt{9})! + 1)! + 5! \times (6! + 0!)$.

$91744 := (9! + (1 + 7)^4)/4$.

$92032 := 2 \times (3!! - 0!) \times 2^{(\sqrt{9})!}$.

$92184 := (\sqrt{9})!! \times 2^{(-1+8)} + 4!$.

$92416 := ((\sqrt{9})!! + 2) \times \sqrt{4^{1+6}}$.

$92880 := (\sqrt{9})!! \times (2 \times (8 \times 8) + 0!)$.

$92928 := ((\sqrt{9})!!/2 + \sqrt{9}) \times 2^8$.

$93252 := (\sqrt{9})!^{3!} \times 2 - 5!/2$.

$93256 := (\sqrt{9})!^{3!} \times 2 - 56$.

$93300 := ((\sqrt{9})!^{3!} - 3!) \times (0! + 0!)$.

$93320 := 9 + 3!^{3!} \times 2 - 0!$.

$93330 := (9 + 3!^{3!}) \times (3 - 0!)$.

$93384 := (\sqrt{9} + 3 \times \sqrt{3!^8}) \times 4!$.

$93562 := ((\sqrt{9})!^{3!} + \sqrt{5^6}) \times 2$.

$93744 := 9!/3!! \times (7!/4! - 4!)$.

$93756 := (\sqrt{9})! \times (-3! + 7 + 5^6)$.

$93888 := 9 \times (\sqrt{3!^8} + 8) \times 8$.

$93927 := ((\sqrt{9})!! - 3) \times (\sqrt{9} + 2^7)$.

$94315 := 9!/4 + (3!! - 1) \times 5$.

$94335 := 9!/4 + (3 + 3!!) \times 5$.

$94365 := 9!/4 + 3^6 \times 5$.

$94494 := (9!/4! - 4! + 9!)/4$.

$94512 := ((\sqrt{9})!! - 4) \times (5! + 12)$.

$94751 := 94 \times 7!/5 - 1$.

$94752 := 94 \times 7!/\sqrt{5^2}$.

$94754 := 94 \times 7!/5 + \sqrt{4}$.

$94816 := 9!/4 + 8^{\sqrt{16}}$.

$94824 := (9!/4 + 8) + \sqrt{2^{4!}}$.

$94848 := (9 + 4!) \times 8^4 - 8!$.

$94864 := ((9!/\sqrt{4} + 8!)/6!)^{\sqrt{4}}$.

$94957 := -\sqrt{9} + (4 + (\sqrt{9})!)^5 - 7!$.

$95035 := \left(\sqrt{(\sqrt{9})!!/5}\right)!/(0! + 3!)! - 5$.

$95037 := -\sqrt{9} + ((5 - 0!) \times 3)!/7!$.

$95040 := \left(\sqrt{(\sqrt{9})!!/5}\right)!/(0! + (4 - 0!)!)!$.

$95064 := \left(\sqrt{(\sqrt{9})!!/5}\right)!/(0! + 6)! + 4!$.

$95496 := (-9! + 5!^4/\sqrt{9})/6!$.

$95749 := 9!/4 + 7! - 5 - (\sqrt{9})!$.

$95754 := -(\sqrt{9})!!/5! + 7! \times (-5 + 4!)$.

$95937 := (\sqrt{9})! \times 5^{(\sqrt{9})!} + 3^7$.

$95994 := -(\sqrt{9})! + (5!^{\sqrt{9}})/(9 \times \sqrt{4})$.

$95999 := -\left(\sqrt{9} - 5!^{\sqrt{9}}/(\sqrt{9})!\right)/\sqrt{9}$.

$96475 := (\sqrt{9})!! \times (6 + \sqrt{4^7}) - 5$.

$96480 := (\sqrt{9})!! \times (6 + \sqrt{4^{(8-0!)}})$.

$96759 := 96 \times 7!/5 - 9$.

$97344 := ((9 + 7 - 3) \times 4!)^{\sqrt{4}}$.

$97447 := (-(\sqrt{9})!! + (7 + 4)^4) \times 7$.

$97917 := -\sqrt{9} + (7! + (\sqrt{9})!!) \times 17$.

$97920 := ((\sqrt{9})!! + 7!) \times (-\sqrt{9} + 20)$.

$97947 := \sqrt{9^7} + 9!/4 + 7!$.

$98301 := \sqrt{9} \times (8^{3!-0!} - 1)$.

$98302 := \sqrt{9} \times 8^{3!-0!} - 2$.

$98313 := 9 + 8^{3!-1} \times 3$.

$98334 := (9 \times 8^{3!} + 3!!)/4!$.

$98385 := \sqrt{\sqrt{9^8}} + 3 \times 8^5$.

$98444 := ((\sqrt{9})! + 8^4) \times 4! - 4$.

$98448 := ((\sqrt{9})! + 8^4) \times (-4 + 8)!$.

$98496 := -(\sqrt{9})!^8/4 + (\sqrt{9})!! \times 6!$.

$98517 := \sqrt{9} \times (8^5 + \sqrt{1 + 7!})$.

$98535 := \sqrt{9^8} \times 5 \times 3 + 5!$.

$98598 := \sqrt{9} \times (8^5 + 98)$.

$98634 := -(\sqrt{9})! + 8! + 6! \times 3^4$.

$98640 := (\sqrt{9})!! \times (-8 + 6 \times 4! + 0!)$.

$98784 := \left(\sqrt{(\sqrt{9})!^8} \times 7 + 8!\right) \times \sqrt{4}$.

$99127 := ((\sqrt{9})!!/(\sqrt{9})! - 1)^2 \times 7$.

$99342 := 9! - ((\sqrt{9})! + 3!!)^{\sqrt{4}}/2$.

$99360 := (\sqrt{9})!! \times (\sqrt{9} \times 3! + (6 - 0!)!)$.

$99378 := 9 + \sqrt{9^{3+7}} + 8!$.

$99584 := (\sqrt{9})!! \times (\sqrt{9})!!/5 - 8^4$.

$99594 := (-(\sqrt{9})! + 9!/5!) \times (9 + 4!)$.

$99720 := (-9 \times (\sqrt{9})! + 7!) \times 20$.

$99846 := (9 + (-\sqrt{9} + 8)!)^{\sqrt{4}} \times 6$.

## 5.2 Selfie Numbers in Reverse Order of Digits

$25 := 5^2$.
$64 := \sqrt{4^6}$.

$125 := 5^{2+1}$.
$126 := 6 \times 21$.
$153 := 3 \times 51$.
$289 := (9+8)^2$.
$337 := 7^3 - 3!$.
$624 := 4! \times 26$.
$625 := \sqrt{5^{2+6}}$.
$688 := 8 \times 86$.
$719 := (\sqrt{9})!! - 1^7$.
$864 := 4! \times \sqrt{\sqrt{6^8}}$.

$1024 := \sqrt{\sqrt{4^{20}}} \times 1$.
$1345 := 5^4 + 3!! \times 1$.
$1359 := 9 \times (5! + 31)$.
$1395 := 5 \times 9 \times 31$.
$1436 := 6! + 3!! - 4 \times 1$.
$1477 := 7 \times (7!/4! + 1)$.
$2189 := \sqrt{9^{8-1}} + 2$.
$2197 := (7 + (\sqrt{9})!)^{1+2}$.
$2403 := (3! + 0!)^4 + 2$.
$2517 := (7! - 1 - 5)/2$.
$2575 := -5 + (7! + 5!)/2$.
$2736 := 6^3 + 7!/2$.
$2876 := (6! + 7! - 8)/2$.
$2916 := (6 \times 1 \times 9)^2$.
$3072 := 2^7 \times (0! + 3)!$.
$3159 := \sqrt{9^5} \times 13$.
$3237 := (7! - 3!)/2 + 3!!$.
$3369 := (9+6)^3 - 3!$.
$3372 := 2 \times (7!/3 + 3!)$.
$3375 := (5 + 7 + 3)^3$.
$3378 := (8+7)^3 + 3$.
$3384 := 4! + 8!/(3! + 3!)$.
$3483 := \sqrt{3^8} \times 43$.
$3845 := \sqrt{5^{\sqrt{4}+8}} + 3!!$.
$3867 := (-7 + \sqrt{6^8}) \times 3$.
$3891 := (1 + \sqrt{(\sqrt{9})!^8}) \times 3$.
$3894 := (\sqrt{4} + \sqrt{(\sqrt{9})!^8}) \times 3$.
$3977 := 7! - 7^{\sqrt{9}} - 3!!$.
$4092 := \sqrt{2^{(\sqrt{9}+0!)!}} - 4$.
$4215 := 5! - 1 + \sqrt{2^{4!}}$.
$4216 := (6-1)! + \sqrt{2^{4!}}$.
$4331 := -1 + 3! \times (3!! + \sqrt{4})$.
$4356 := \sqrt{((6+5) \times 3!)^4}$.
$4394 := (4+9)^3 \times \sqrt{4}$.
$4478 := 8!/(7 + \sqrt{4}) - \sqrt{4}$.
$4489 := \sqrt{(\sqrt{9} + \sqrt{8^4})^4}$.
$4598 := 8!/9 + 5! - \sqrt{4}$.
$4624 := (4 + 2^6)^{\sqrt{4}}$.
$4675 := -5 + 7! - 6!/\sqrt{4}$.
$4782 := -2^8 + 7! - \sqrt{4}$.
$4784 := \sqrt{(\sqrt{4^8} - 7!)^{\sqrt{4}}}$.
$4796 := -6!/\sqrt{9} + 7! - 4$.
$4797 := 7! - \sqrt{9^{7-\sqrt{4}}}$.
$4802 := 2 \times (0! - 8)^4$.
$4957 := 7! - 59 - 4!$.
$4967 := 7! - 69 - 4$.
$4992 := (-2^9 + (\sqrt{9})!!) \times 4!$.
$5175 := 5! + 7! + 15$.
$5785 := \sqrt{5^8} + 7! + 5!$.
$5864 := -(\sqrt{4} - 6!) \times 8 + 5!$.
$5880 := 5! + 8!/(8 - 0!)$.
$6048 := 8!/40 \times 6$.
$6144 := 4^{4+1} \times 6$.
$6475 := -5 + (7 + \sqrt{4}) \times 6!$.
$6478 := 8!/7 - \sqrt{4} + 6!$.
$6655 := 5 \times \sqrt{(5+6)^6}$.
$6715 := -5 + (1+7)!/6$.
$6748 := (8! + 4! \times 7)/6$.
$6992 := 2^9 + 9 \times 6!$.
$7335 := 5 \times (-3!! + 3^7)$.
$7992 := ((2+9)! + 9!)/7!$.
$8057 := 8!/(0+5) - 7$.
$8058 := 8!/5 - (\sqrt{0! + 8})!$.
$8496 := 6! + \sqrt{(\sqrt{9})!^{\sqrt{4}+8}}$.
$8576 := 67 \times (5! + 8)$.
$9375 := \sqrt{5^{7+3} \times 9}$.
$9575 := 5 \times 7! - 5^{(\sqrt{9})!}$.
$9865 := 5^6 - 8 \times (\sqrt{9})!!$.

$10344 := 4! \times (430 + 1)$.
$10369 := 9!/(6 \times 3! - 0!) + 1$.
$10785 := 5!/8 \times ((7 - 0!)! - 1)$.
$10919 := 91 \times ((\sqrt{9})! - 0!)! - 1$.
$10935 := 5 \times 3^{(9-0!-1)}$.
$11163 := 3 \times 61^{1+1}$.
$11339 := 9!/(33 - 1) - 1$.
$11869 := ((\sqrt{9})! + 6)!/8! - 11$.
$12504 := 4! \times (0 + 521)$.
$12543 := (3! + \sqrt{4} - 5!)^2 - 1$.
$12595 := -5 + ((\sqrt{9})!! - 5!) \times 21$.
$12605 := 5 \times ((0! + 6)!/2 + 1)$.
$12759 := -9 + (5! - 7)^2 - 1$.
$12769 := ((\sqrt{9})!!/6 - 7)^2 \times 1$.
$12939 := (\sqrt{9})!! \times 3 \times (\sqrt{9})! - 21$.
$12981 := 18 \times (\sqrt{9})!! + 21$.
$12995 := (5! - 9 + \sqrt{9})^2 - 1$.
$13239 := 9 \times (3!! \times 2 + 31)$.
$13248 := (8! - 4!^2)/3 \times 1$.
$13368 := (8! - 6^3)/3 \times 1$.
$13398 := 8!/\sqrt{9} - 3! \times (3! + 1)$.
$13432 := ((2^3)! - 4!)/3 \times 1$.
$13438 := 8!/3 - 4 + 3 - 1$.
$13453 := -3 + (5! - 4)^{3-1}$.
$13456 := (-6 + 5! + \sqrt{4})^{3-1}$.
$13458 := (8! + 54)/3 \times 1$.
$13459 := \sqrt{9} + (5! - 4)^{3-1}$.
$13464 := 4! + (\sqrt{64})!/3 \times 1$.
$13488 := 8 \times (8!/4! + 3!) \times 1$.
$13536 := 6! + 3!^5 + (3+1)!$.
$13704 := \sqrt{4!^{(-0!+7)}} - (3-1)!$.
$13725 := 5 \times ((2 \times 7)^3 + 1)$.
$13834 := 4!^3 + 8 + 3 - 1$.
$13864 := \sqrt{4!^6} + 8 \times (3! - 1)$.
$13925 := (5! - 2)^{(\sqrt{9})!/3} + 1$.
$13942 := -2 + 4!^{\sqrt{9}} + (3-1)!$.
$13944 := \sqrt{4!^{\sqrt{4 \times 9}}} + (3-1)!$.
$13945 := 5! + 4!^{9/3} + 1$.
$14155 := -5 + (5! - 1)^{\sqrt{4}} - 1$.
$14156 := -6 + (5! - 1)^{\sqrt{4}} + 1$.
$14159 := -\sqrt{9} + (5! - 1)^{\sqrt{4}} + 1$.
$14161 := (-1 + (6-1)!)^{\sqrt{4}} \times 1$.
$14255 := -5! + 5!^2 - 4! - 1$.
$14325 := 5!^2 - 3 \times (4! + 1)$.
$14373 := -3^7 + 3!! \times (4! - 1)$.
$14375 := 5^{7-3} \times (4! - 1)$.
$14393 := -3! + ((\sqrt{9})!!/3!)^{\sqrt{4}} - 1$.
$14419 := ((\sqrt{9})!! + 1) \times (4! - 4) - 1$.
$14423 := (3+2)!^{\sqrt{4}} + 4! - 1$.
$14425 := 5^2 \times (4!^{\sqrt{4}} + 1)$.
$14435 := 5 \times ((3!! + \sqrt{4}) \times 4 - 1)$.
$14445 := 5!^{\sqrt{4}} + 44 + 1$.
$14495 := (5 \times (\sqrt{9})!! + 4!) \times 4 - 1$.
$14519 := ((\sqrt{9})! - 1)! + 5!^{\sqrt{4}} - 1$.
$14525 := 5!^2 + 5^{4-1}$.
$14564 := 4 \times (6! \times 5 + 41)$.
$14579 := \sqrt{9} \times 7! - 541$.
$14664 := \sqrt{4!^6} + 6! + (4+1)!$.

$14856 := (-6+\sqrt{5^8})\times 4!\times 1.$
$14885 := (5!+\sqrt{\sqrt{8+8}})^{\sqrt{4}}+1.$
$14909 := (9!-(0!+(\sqrt{9})!)!)/4!-1.$
$14939 := (9!/3!-(\sqrt{9})!!)/4-1.$
$14979 := \sqrt{9}\times(7!-(\sqrt{9})!-41).$
$14995 := -5^{\sqrt{9}}+9!/4!\times 1.$
$15069 := \sqrt{9}\times(6+0!)!-51.$
$15239 := 9!/(3!-2)!+5!-1.$
$15264 := \sqrt{4!^6}+2\times(5+1)!.$
$15425 := 5!^2+4^5+1.$
$15562 := 2\times(6^5+5)\times 1.$
$15565 := 5^6-5!/\sqrt{5-1}.$
$15568 := (8+6^5)\times\sqrt{5-1}.$
$15614 := (4+1)^6-\sqrt{5!+1}.$
$15629 := (\sqrt{9}+2)^6+5-1.$
$15984 := (\sqrt{4}\times 8!-(\sqrt{9})!!)/5\times 1.$
$16128 := 8!\times 2/(\sqrt{16}+1).$
$16225 := 52^2\times 6+1.$
$16374 := 4^7-3-6-1.$
$16448 := \sqrt{8^4}+4^{6+1}.$
$16495 := 5!-9+4^{6+1}.$
$16499 := -(\sqrt{9})!!+(\sqrt{9})!!\times 4!-61.$
$16585 := 5!\times 8+5^6\times 1.$
$16742 := (-2+4!)\times 761.$
$16783 := -3\times 8+7^{6-1}.$
$16794 := -4-9+7^{6-1}.$
$16797 := -7-\sqrt{9}+7^{6-1}.$
$16813 := 3!+(-1+8)^{6-1}.$
$16927 := 7^{2+\sqrt{9}}+(6-1)!.$
$17974 := 4\times 7!-\sqrt{9^7}+1.$
$18729 := 9^{(-2+7)}-8!\times 1.$
$18742 := -2+4!\times 781.$
$18744 := (\sqrt{4\times 4})!\times 781.$
$18864 := \sqrt{4!^6}+8!/8\times 1.$
$18954 := \sqrt{4}\times(5!-\sqrt{9})\times 81.$
$19264 := 4\times(6!+\sqrt{2^{(\sqrt{9}+1)!}}).$
$19323 := -3!!/2+3^9\times 1.$
$19349 := (\sqrt{9}+4!)\times 3!!-91.$
$19438 := (8!-3!)/\sqrt{4}-(\sqrt{9})!!+1.$
$19474 := (4+7!/4!)\times 91.$
$19656 := \sqrt{6^5\times 6}\times 91.$
$19736 := (6+3^7)\times 9-1.$
$19747 := 7\times(4!+7)\times 91.$
$19803 := 3^{0!+8}+((\sqrt{9})!-1)!.$
$20148 := 8!/\sqrt{4}-10-2.$
$20158 := 8!\times 5/10-2.$
$20159 := ((\sqrt{9}+5)!-1-0!)/2.$
$20268 := (8!+6^{2+0!})/2.$
$20448 := (8!+4!^{\sqrt{4}})/(0+2).$
$20449 := (9\times 4\times 4-0!)^2.$
$20485 := 5\times(8^4+(0/2)!).$
$20665 := 5^6+(6+(0/2)!)!.$
$20736 := (6\times 3\times(7+0!))^2.$
$20785 := \sqrt{5^8}+(7+0!)!/2.$
$20873 := (3!!-7)+8!/(0+2).$
$20876 := 6!+(-7+8!-0!)/2.$
$20883 := 3!!+(8!+\sqrt{8+0!}!)/2.$
$21603 := 30\times 6!+1+2.$
$21844 := (-4+4^8)/(1+2).$
$21848 := (8+4^8)/(1+2).$
$21952 := (25+\sqrt{9})^{1+2}.$
$22264 := 46\times 22^2.$
$22398 := 8!/9\times(3+2)-2.$
$22472 := (2+7!/4!)^2/2.$
$22528 := (8/2)^5\times 22.$
$22599 := 9\times(-9+(5+2)!/2).$
$22675 := -5+(7!+(6+2)!)/2.$
$22678 := (8!+7\times 6!)/2-2.$
$22679 := (9\times 7!-6)/2+2.$
$22757 := 7\times(57^2+2).$
$22966 := (6^6-(\sqrt{9})!!)/2-2.$
$22969 := ((\sqrt{9})!^6-(\sqrt{9})!!+2)/2.$
$23008 := ((\sqrt{8+0!})!!-0!)\times 32.$
$23066 := -6+(6!+0!)\times 32.$
$23069 := -\sqrt{9}+(6!+0!)\times 32.$
$23072 := ((\sqrt{2+7})!!+0!)\times 32.$
$23296 := 6^{(\sqrt{9})!}/2-32.$
$23304 := -4!-0+3!^{3!}/2.$
$23319 := -9+1\times 3!^{3!}/2.$
$23331 := 1\times 3+3!^{3!}/2.$
$23364 := 4\times(-6!+3^{3!+2}).$
$23377 := 7\times 7+3!^{3!}/2.$
$23409 := (9+(0+4)!\times 3!)^2.$
$23436 := 63\times(4!+3!!)/2.$
$23513 := -(3!+1)^5+(3!+2)!.$
$23762 := (26+7)\times 3!!+2.$
$24191 := -1+9!/(-1+4^2).$
$24194 := \sqrt{4}+9!/(-1+4^2).$
$24332 := 23^3\times\sqrt{4}-2.$
$24346 := (6!-4)\times 34+2.$
$24367 := 7\times(63-4)^2.$
$24575 := 5\times(7!-\sqrt{5^{4+2}}).$
$24579 := (-9+7!)\times 5-4!^2.$
$24649 := (9+4+6\times 4!)^2.$
$24695 := -5^{(9-6)!}+(4\times 2)!.$
$24768 := 8!-6^{(7-\sqrt{4})}\times 2.$
$24964 := (\sqrt{4^6}+94)^2.$
$25088 := 8\times(8!/(0!+5)!)^2.$
$25575 := 5\times(75+(5+2)!).$
$25577 := (7!+75)\times 5+2.$
$25915 := -5+(-1+9)!-5!^2.$
$25917 := (7+1)!-\sqrt{9}-5!^2.$
$25938 := 8!+3\times(\sqrt{9})!-5!^2.$
$25998 := (8!/9+(\sqrt{9})!!)\times 5-2.$
$26064 := (4+6!)\times(0+6^2).$
$26136 := (6+3!!)\times 1\times 6^2.$
$26208 := (8+(0!+2)!!)\times 6^2.$
$26279 := (9!/7-2+6!)/2.$
$26352 := (2+5!)\times 3!\times 6^2.$
$26488 := 8!-8-4!^{6/2}.$
$26489 := -9+8!-\sqrt{4!^6}+2.$
$26635 := -5+3!!+6!\times 6^2.$
$26664 := 4!+6!+6!\times 6^2.$
$26848 := 8\times(-4+8!/(6\times 2)).$
$26898 := 8!+(9-8!/6)\times 2.$
$26937 := 73\times(9+6!/2).$
$26964 := (4!+6)^{\sqrt{9}}-6^2.$
$26973 := 37\times 9^{6/2}.$
$26994 := \sqrt{((4!+(\sqrt{9})!)^{\sqrt{9}}-6)^2}.$
$27198 := 8!-\sqrt{9^{1+7}}\times 2.$
$27456 := (6+5)\times(-4!+7!/2).$
$27497 := -7-(\sqrt{9})!!+(4!\times 7)^2.$
$27534 := (4!^3-57)\times 2.$
$27634 := (\sqrt{4!^{\sqrt{36}}}-7)\times 2.$
$27642 := 2\times(\sqrt{4!^6}-\sqrt{7+2}).$
$27662 := (\sqrt{(-2+6)!^6}+7)\times 2.$
$27715 := 5\times(-1+7!)+7!/2.$
$27728 := 8^{(-2+7)}-(\sqrt{7^2})!.$
$27735 := 5\times(3+7!)+7!/2.$
$27783 := \sqrt{3^8}\times 7\times 7^2.$
$27889 := ((\sqrt{9})!!-887)^2.$
$28479 := ((\sqrt{9})!+7)^4-82.$
$28497 := (7+(\sqrt{9})!)^4-8^2.$
$28561 := (1+\sqrt{6!/5})^{8/2}.$
$28575 := (5!+7)\times(5!/8)^2.$
$28656 := 6^5+6!+8!/2.$
$28735 := 5^{3!}\times 7-8!\times 2.$
$28764 := (-4!+6\times\sqrt{7^8})\times 2.$
$28944 := (4!^4+9!)/(8/2)!.$
$28974 := -4^7+9!/8-2.$
$29184 := 4!+81\times(\sqrt{9})!!/2.$
$29196 := (6!+91)\times(\sqrt{9})!^2.$
$29523 := (3^{2\times 5}-\sqrt{9})/2.$
$29529 := (9^{\sqrt{25}}+9)/2.$
$29561 := (1+6!)\times(5+(\sqrt{9})!^2).$
$29646 := (6!/\sqrt{4}+6)\times 9^2.$
$29735 := -5^{3!}+7!\times\sqrt{9^2}.$

$29736 := 6 \times (-3 + 7! - 9^2)$.
$29754 := (\sqrt{4+5})! \times (7! - 9^2)$.
$29768 := 8 \times (67 - (\sqrt{9})!)^2$.
$29789 := (\sqrt{9} \times 8 + 7)^{\sqrt{9}} - 2$.
$29876 := 6 \times 7! - (8 + (\sqrt{9})!!)/2$.
$29929 := (92 + 9 \times 9)^2$.
$29946 := 6 \times (-49 + (9-2)!)$.
$29984 := -\sqrt{4^8} + (\sqrt{9})! \times (9-2)!$.
$29997 := 7! \times (\sqrt{9})! - \sqrt{9} \times 9^2$.
$30137 := 7! \times 3! - 103$.
$30175 := -5 + (7! - 10) \times 3!$.
$30176 := 6 \times 7! - (1 + 0!)^{3!}$.
$30239 := 9!/(3! \times 2) - (0/3)!$.
$30324 := 42 \times (3 - 0! + 3!!)$.
$30365 := \sqrt{5^6} + 3! \times (0! + 3!)!$.
$30475 := -5 + (7! + 40) \times 3!$.
$30576 := (6 + 7! + 50) \times 3!$.
$30738 := (83 + 7!) \times (0 + 3)!$.
$30786 := (6!/8 + 7! + 0!) \times 3!$.
$31782 := (2^8 + 7! + 1) \times 3!$.
$32128 := 8! - 2^{1+2\times 3!}$.
$32258 := -8!/5 + 2 + (2^3)!$.
$32403 := (3!!/(0+4))^2 + 3$.
$32406 := (6!/(0+4))^2 + 3!$.
$32537 := -7 - 3!^5 + (2^3)!$.
$32568 := 8! - 6^5 + (-2 + 3!)!$.
$32648 := 8 \times 4^6 - (2+3)!$.
$32758 := 8^5 - \sqrt{7^2} - 3$.
$32832 := 2^{3!} + 8^{2+3}$.
$32849 := \sqrt{9^4} + 8^{2+3}$.
$33458 := 8! + (5 - 4!)^3 - 3$.
$33484 := -4 + (8 \times 4)^3 + 3!!$.
$33579 := 9 \times 7 \times 533$.
$33585 := 5 \times (8 \times (5! + 3!!) - 3)$.
$33587 := -7 + 8! \times 5/3! - 3!$.
$33589 := (-(\sqrt{9})! + 8!) \times 5/3! - 3!$.
$33594 := (\sqrt{4^{\sqrt{9}}})! \times 5/3! - 3!$.
$33597 := 7!/9 \times \sqrt{5 \times 3!!} - 3$.
$33598 := ((8! - \sqrt{9}) \times 5 + 3)/3!$.
$33599 := (9!/9 \times 5 - 3!)/3!$.
$33744 := 4! \times (\sqrt{4} \times 7^3 + 3!!)$.
$33769 := (9! \times 67 + 3!!)/3!!$.
$33792 := 2^{\sqrt{9}+7} \times 33$.
$34047 := (7!/4 + 0!) \times (4! + 3)$.
$34416 := 61 \times 4!^{\sqrt{4}} - 3!!$.
$34435 := -5^3 + 4! \times \sqrt{4} \times 3!!$.
$34452 := 2 \times (-54 + 4! \times 3!!)$.
$34496 := (6! + (\sqrt{9})!!) \times 4! - 4^3$.
$34524 := 4!/2 \times (5! \times 4! - 3)$.
$34575 := 5 \times (7! + 5^4 \times 3)$.
$34578 := (8!/7 + \sqrt{5+4}) \times 3!$.
$34624 := 4! \times 2 \times 6! + 4^3$.
$34632 := 2 \times (36 + 4! \times 3!!)$.
$34656 := 6!/5 \times (6! + \sqrt{4})/3$.
$34768 := -\sqrt{8^6} + 7 \times (4+3)!$.
$34937 := (-7 + 3!!) \times ((\sqrt{9})! + 43)$.
$34974 := 47 \times ((\sqrt{9})!! + 4!) + 3!$.
$34993 := (3 + (9+9)^4)/3$.
$35394 := 49 \times 3!! + 5! - 3!$.
$35427 := 7^2 \times (\sqrt{4+5} + 3!!)$.
$35496 := (-6! + 9!)/(\sqrt{4} \times 5) - 3!!$.
$35557 := 7^5 + 5^5 \times 3!$.
$35648 := 8 \times (4^6 + 5! \times 3)$.
$35792 := 2^9 - 7! + (5+3)!$.
$35864 := -4^6 + 8! - 5! \times 3$.
$35937 := (-7 - 3!!/9 + 5!)^3$.
$35943 := 3!!/5! + (9 + 4!)^3$.
$35973 := -3^7 + (\sqrt{9})!! \times 53$.
$36007 := 7 \times (0! + (0! + 6)!) + 3!!$.
$36015 := 5 \times (10 \times 6! + 3)$.
$36153 := -3!! + 51 \times (6! + 3)$.
$36248 := 8! + 4! - (-2 + 6)^{3!}$.
$36289 := 9!/(8+2) + 6/3!$.
$36481 := (-1 + 8 \times 4!)^{6/3}$.
$36501 := \sqrt{(1 - (-0! + 5)!)^6} \times 3$.
$36714 := (-\sqrt{4} + 17 \times 6!) \times 3$.
$36715 := -5 + 17 \times 6! \times 3$.
$36846 := (-6 + 4! \times \sqrt{8^6}) \times 3$.
$36944 := (4!^4 + (\sqrt{9})!!)/(6+3)$.
$37248 := 8! - 4 \times 2^7 \times 3!$.
$37488 := 8! + (8^4 - 7!) \times 3$.
$37584 := (4! \times 8)^{(-5+7)} + 3!!$.
$37668 := 86 \times 6 \times 73$.
$37795 := -5 + 9 \times (7! - 7!/3!)$.
$37938 := 8! - 397 \times 3!$.
$37968 := 8!/6! \times ((\sqrt{9})!! - 7 \times 3!)$.
$38139 := -\sqrt{9^{3!+1}} + 8! + 3!$.
$38248 := 8! - 4! - 2^{8+3}$.
$38278 := 8 \times (7! - 2^8) + 3!$.
$38328 := 8! - (-2 + 3!)! \times 83$.
$38427 := (7 \times 2)^4 + 8 + 3$.
$38448 := 8! - 4! \times 48 - 3!!$.
$38472 := (2 \times 7)^4 + 8!/3!!$.
$38523 := -3!!/2 \times 5 + 8! + 3$.
$38526 := -6!/2 \times 5 + 8! + 3!$.
$38528 := 8^{\sqrt{25}} + 8 \times 3!!$.
$38584 := (48 + 5) \times (8 + 3!!)$.
$38592 := -(-2 + 9)!/5 + 8! - 3!!$.
$38767 := -7!/6 + 7 + 8! - 3!!$.
$38855 := -5! - \sqrt{5^8} + 8! - 3!!$.
$38863 := -3^6 - 8 + 8! - 3!!$.
$38934 := (-4! \times 3 + \sqrt{9^8}) \times 3!$.
$38936 := 6! \times 3! \times 9 + 8!/3!!$.
$38963 := 3!! \times 6 \times 9 + 83$.
$38975 := -5^{\sqrt{7+9}} + 8! - 3!!$.
$38976 := (6! - (\sqrt{7+9})!) \times 8!/3!!$.
$38992 := -(2+9)^{\sqrt{9}} + 8! + 3$.
$38994 := -(4 \times \sqrt{9})!/9! + 8! - 3!$.
$38995 := -(5 + (\sqrt{9})!)^{\sqrt{9}} + 8! + 3!$.
$39088 := 8! - 8^{\sqrt{0+9}} - 3!!$.
$39298 := ((8+9) \times 2)^{\sqrt{9}} - 3!$.
$39304 := (40 + 3 - 9)^3$.
$39356 := 6 \times (-5 + 3^9)/3$.
$39392 := 2^9 + 3!! \times 9 \times 3!$.
$39435 := 53 \times (4! + (\sqrt{9})!!) + 3$.
$39472 := -2^7 + (\sqrt{4^{\sqrt{9}}})! - 3!!$.
$39585 := 5 \times (8!/5 - \sqrt{9}) - 3!!$.
$39628 := 8! + \sqrt{2^6 + (\sqrt{9})!!} - 3!!$.
$39728 := 8! + 2^7 - (9-3)!$.
$39758 := 8! - 5 - 7!/9 + 3$.
$39805 := -\sqrt{5! + 0!} + 8! - 9!/3!!$.
$39809 := -(\sqrt{9})! - 0! + 8! - 9!/3!!$.
$39813 := -3 + 1 \times 8! - 9!/3!!$.
$39814 := -\sqrt{4} + 1 \times 8! - 9!/3!!$.
$39819 := \sqrt{9} + 1 \times 8! - 9!/3!!$.
$39824 := 4 \times 2 + 8! - 9!/3!!$.
$39879 := 9 \times 7 + 8! - 9!/3!!$.
$39928 := 8! - 2^9 + (\sqrt{9})!!/3!$.
$39936 := 6^{3!} - 9!/(9 \times 3!)$.
$39982 := -2 + 8! \times ((\sqrt{9})!! - (\sqrt{9})!)/3!!$.
$39994 := (-4 \times (\sqrt{9})!! + 9!)/9 - 3!$.
$40024 := 4! + 200^{\sqrt{4}}$.
$40348 := 40 - 3 \times 4 + 8!$.
$40348 := 8! + \sqrt{4} + 30 - 4$.
$40349 := (\sqrt{9})! + (\sqrt{4^3})! - 0! + 4!$.
$40349 := 4! - 0! + 3! + (\sqrt{4^{\sqrt{9}}})!$.
$40352 := 2^5 + (3 + 0! + 4)!$.
$40378 := 8 \times 7 \times (3!! + 0!) + \sqrt{4}$.
$40498 := 8! + (\sqrt{9})!!/4 + 0 - \sqrt{4}$.
$40738 := 8! + 3! \times 70 - \sqrt{4}$.
$40828 := 8! + 2^{8+0!} - 4$.
$40878 := 8! + 7 \times 80 - \sqrt{4}$.
$40945 := 5^4 + (9 - (0/4)!)!$.
$40964 := 4^6 \times (9 + 0!) + 4$.
$40978 := 8! + 7 \times (90 + 4)$.
$41468 := (8 \times 6^4 - 1) \times 4$.
$41538 := 8! - 3! + 51 \times 4!$.

$41544 := (4+4)! + 51 \times 4!.$

$41548 := 8! + 4! \times 51 + 4.$

$41578 := 8! + 7!/(5-1) - \sqrt{4}.$

$41638 := 8! + (3!! - 61) \times \sqrt{4}.$

$41688 := 8! + (8!/6! + 1) \times 4!.$

$41748 := 8! + \sqrt{4} \times 714.$

$41756 := 6! \times (57+1) - 4.$

$41958 := 8! + (5! - \sqrt{9}) \times 14.$

$42288 := 8! + 82 \times 24.$

$42378 := 8! + 7^3 \times (2+4).$

$42436 := (6 \times 34 + 2)^{\sqrt{4}}.$

$42736 := 6 \times 3!! + (7 \times 2)^4.$

$42837 := (7! + (-3+8!) \times 2)/\sqrt{4}.$

$42848 := (8! + 4^8 \times 2)/4.$

$42952 := (-2+5!) \times ((\sqrt{9})!!/2 + 4).$

$42955 := -5 + 5! \times ((\sqrt{9})!!/2 - \sqrt{4}).$

$42976 := (-6! + 7!) \times 9 + \sqrt{2^{4!}}.$

$43179 := -\sqrt{9} \times (7 - (-1+3!)!^{\sqrt{4}}).$

$43185 := 5!/8 \times (-1 + 3!! \times 4).$

$43344 := (\sqrt{\sqrt{4^{4!}}} + 3!!) \times \sqrt{3^4}.$

$43388 := 8! + 8^3 \times 3! - 4.$

$43392 := 2^9 \times 3! + (3! + \sqrt{4})!.$

$43488 := (8! + (8 - \sqrt{4})^{3!})/\sqrt{4}.$

$43659 := ((\sqrt{9})! + 5) \times \sqrt{63^4}.$

$43681 := (1 - 8 + 6^3)^{\sqrt{4}}.$

$43728 := 8! + 2 \times (7!/3 + 4!).$

$43824 := (4! - 2) \times 83 \times 4!.$

$43904 := (4 \times (0! + (\sqrt{9})!))^3 \times \sqrt{4}.$

$43916 := 61 \times (9-3)! - 4.$

$43923 := 3 \times (2 + \sqrt{9} \times 3)^4.$

$43959 := 9^5 - (9! - 3!!)/4!.$

$43995 := 5^{(\sqrt{9})!} \times \sqrt{9} - 3!! \times 4.$

$44095 := -5 + (((\sqrt{9})! + 0!)!/4!)^{\sqrt{4}}.$

$44176 := 6! + 7! + 14^4.$

$44517 := 71 \times (5^4 + \sqrt{4}).$

$44519 := (91 + 5!)^{\sqrt{4}} - \sqrt{4}.$

$44521 := (1 + (2+5)!/4!)^{\sqrt{4}}.$

$44736 := (6! - 3 \times 7) \times \sqrt{\sqrt{\sqrt{4^{4!}}}}.$

$44736 := (\sqrt{\sqrt{\sqrt{4^{4!}}}}) \times (-7 \times 3 + 6!).$

$44798 := (8! + 9!)/(7 + \sqrt{4}) - \sqrt{4}.$

$44937 := -7 + (3!^{\sqrt{9}} - 4)^{\sqrt{4}}.$

$44995 := -5 - ((\sqrt{9})!! - 9!/4)/\sqrt{4}.$

$45359 := 9!/(5+3) - 5 + 4.$

$45478 := 8! + 7! + \sqrt{4} + 5! - 4.$

$45592 := (-2 + 95 \times 5!) \times 4.$

$45595 := -5 + 95 \times 5! \times 4.$

$45696 := (4 + \sqrt{5 \times 6!}) \times ((\sqrt{9})!! - 6).$

$45696 := (6! - (\sqrt{9})!) \times (\sqrt{6! \times 5} + 4).$

$45732 := (4! + (5! + 7) \times 3!!)/2.$

$45783 := 3^8 \times 7 - 5! - 4!.$

$45796 := (6^{\sqrt{9}} - 7 + 5)^{\sqrt{4}}.$

$45897 := 7 \times \sqrt{9^8} - 5!/4.$

$45962 := 2^6 \times (\sqrt{9})!! - 5! + \sqrt{4}.$

$45966 := 6^6 - (\sqrt{9})!! + 5!/4.$

$45979 := 9 \times 7! - (\sqrt{9})! + 5^4.$

$45996 := 6^{(\sqrt{9})!} - (\sqrt{9})!! + 5!/\sqrt{4}.$

$46076 := 6! \times (70-6) - 4.$

$46142 := \sqrt{\sqrt{2^{4!}}} \times (1 + 6!) - \sqrt{4}.$

$46148 := \sqrt{8^4} \times (1 + 6!) + 4.$

$46232 := (2 + 3!!) \times 2^6 + 4!.$

$46296 := 6^{\sqrt{9} \times 2} - 6!/\sqrt{4}.$

$46328 := -8 + 2^{3!} \times (6! + 4).$

$46337 := -7^3 + 3!^6 + 4!.$

$46476 := 6^{(7-4)!} - 6!/4.$

$46488 := 88^{\sqrt{4}} \times 6 + 4!.$

$46528 := 8^2 \times (5 + 6! + \sqrt{4}).$

$46533 := 3!^{3!} - 5! - 6/\sqrt{4}.$

$46539 := (\sqrt{9})!^{3!} - 5! + 6/\sqrt{4}.$

$46599 := (\sqrt{9})!^{(\sqrt{9})!} - (5! - 6)/\sqrt{4}.$

$46623 := -3^2 + 6^6 - 4!.$

$46643 := -\sqrt{3^4} + 6^6 - 4.$

$46671 := 17 + 6^6 - \sqrt{4}.$

$46681 := 1^8 + 6^6 + 4!.$

$46682 := 28 + 6^6 - \sqrt{4}.$

$46683 := \sqrt{\sqrt{\sqrt{3^8}}} + 6^6 + 4!.$

$46684 := 4 \times 8 + 6^6 - 4.$

$46685 := \sqrt{\sqrt{5^8}} + 6^6 + 4.$

$46686 := \sqrt{\sqrt{\sqrt{6^{8 \times 6}}}} + 6 + 4!.$

$46687 := \sqrt{\sqrt{\sqrt{7^8}}} + 6^6 + 4!.$

$46688 := \sqrt{8 \times 8} + 6^6 + 4!.$

$46689 := 9!/8! + 6^6 + 4!.$

$46691 := -1 + (\sqrt{9})!^6 + \sqrt{6^4}.$

$46693 := 39 + 6^6 - \sqrt{4}.$

$46736 := 6^{3!} + 76 + 4.$

$46797 := -7! + 9!/7 - 6/\sqrt{4}.$

$46871 := -1 + 7 \times (8!/6 - 4!).$

$46874 := \sqrt{4} + 7 \times (8!/6 - 4!).$

$46881 := \sqrt{(1+8)^8} + (\sqrt{64})!.$

$46883 := 3^8 + 8! + 6 - 4.$

$46889 := \sqrt{9^8} + 8! + \sqrt{64}.$

$46899 := \sqrt{9} \times (\sqrt{9} - 8)^6 + 4!.$

$46936 := 6^{3!} + 9!/6^4.$

$46997 := 7^{\sqrt{9}} + (\sqrt{9})!^6 - \sqrt{4}.$

$47369 := (\sqrt{9})!^6 + 3!! - \sqrt{\sqrt{7^4}}.$

$47516 := 6 \times (\sqrt{1+5!})!/7! - 4.$

$47538 := 8! + 3 \times (5 + 7^4).$

$47544 := 4! + (\sqrt{4! + 5!})!/(7! \times \sqrt{4}).$

$47639 := (-9 + 3!!) \times 67 + \sqrt{4}.$

$47799 := 9 \times (-9 + 7!) + 7!/\sqrt{4}.$

$47858 := -8^5 + (8! - 7) \times \sqrt{4}.$

$47868 := 8! - 6 \times (8 - 7!)/4.$

$47875 := -5 + 7! + 8! + 7!/\sqrt{4}.$

$47883 := -3! + 8! + \sqrt{87^4}.$

$47895 := (5! + 9!)/8 + 7!/\sqrt{4}.$

$47898 := 8! + 9 + 87^{\sqrt{4}}.$

$47916 := 6^{(\sqrt{1 \times 9})!} + 7!/4.$

$48333 := 3!^{3!} - 3 + 8!/4!.$

$48336 := 6^{3+3} + 8!/4!.$

$48339 := \sqrt{9} + 3!^{3!} + 8!/4!.$

$48344 := (4! - 4)^3 + 8! + 4!.$

$48366 := 6^6 + (3!! + 8!)/4!.$

$48596 := 69 \times 5! + 8! - 4.$

$48606 := 6 \times (0! + (6!/8)^{\sqrt{4}}).$

$48636 := 6 \times (3! + (6!/8)^{\sqrt{4}}).$

$48973 := 37^{\sqrt{9}} - 8!/4!.$

$49096 := (69 - 0!) \times ((\sqrt{9})!! + \sqrt{4}).$

$49392 := (-2+9)^3 \times (\sqrt{9})! \times 4!.$

$49528 := 82 \times (-5! + (\sqrt{9})!! + 4).$

$49542 := (\sqrt{\sqrt{2^{4!}}} + 5) \times ((\sqrt{9})!! - \sqrt{4}).$

$49556 := (6! + 5!) \times 59 - 4.$

$49609 := ((\sqrt{9})!! - 0!) \times 69 - \sqrt{4}.$

$49613 := (3!! - 1) \times 69 + \sqrt{4}.$

$49668 := -8 + 6! \times 69 - 4.$

$49824 := -4!^2 - 8! + 9!/4.$

$49905 := -(5+0!)! + (9 + (\sqrt{9})!)^4.$

$49906 := -6! + 0! + (9 + (\sqrt{9})!)^4.$

$49984 := 4^8 - \sqrt{(\sqrt{9})!^9 \times 4!}.$

$50349 := -\sqrt{9} \times (4! - (3! + 0!)^5).$

$50625 := (5!/(2+6))^{(-0!+5)}.$

$50967 := 7 \times (6! + 9^{(-0!+5)}).$

$51697 := 7! + (\sqrt{9})!^6 + 1^5.$

$51719 := 9!/(1 \times 7) - 1 - 5!.$

$51839 := 9 \times 3!! \times 8 - 1^5.$

$51845 := (5+4)!/(8-1) + 5.$

$51879 := 9!/7 - 81 + 5!.$

$52079 := 9!/7 - 0! + 2 \times 5!.$

$52483 := 3^8 \times 4 \times 2 - 5.$

$52493 := (3 \times (\sqrt{9})!)^4/2 + 5.$

$52498 := 8 \times 9^4 + 2 \times 5.$

$52928 := 8!/2 + ((\sqrt{9})! + 2)^5.$

$52944 := 4! + (4! - \sqrt{9})^2 \times 5!.$

$53337 := 73 \times 3^{3!} + 5!.$

$53688 := 8 \times (8!/6 + 3!) - 5!.$

$53712 := -(2+1)!! + 7 \times 3!^5.$

$53713 := -3!! + 1 + 7 \times 3!^5.$

$53808 := 8 \times (0! + 8!/3! + 5)$.
$53824 := (4! - 2^8)^{(-3+5)}$.
$53848 := 8 \times (-4 + 8!/3!) + 5!$.
$53856 := 6! \times 5! - 8! + 3!^5$.
$53946 := (6 + 4! \times 9) \times 3^5$.
$54264 := \sqrt{4!^6} + (2 \times 4)! + 5!$.
$54396 := (-6! + 9! \times 3)/(4 \times 5)$.
$54397 := 7 \times ((\sqrt{9})!^{3+\sqrt{4}} - 5)$.
$54576 := (6! + 7! \times 54)/5$.
$54636 := (6!/3 - 6)^{\sqrt{4}} - 5!$.
$54688 := 8 \times (8!/6 - 4 + 5!)$.
$54742 := -2 + 4! \times (7^4 - 5!)$.
$54795 := (5 \times \sqrt{9^7} + 4!) \times 5$.
$54869 := (-9! + 6^8)/4! + 5$.
$55939 := 9!/3!! \times (-9 + 5!) - 5$.
$56087 := 78 \times (-0! + 6!) + 5$.
$56485 := (-5 + 84) \times (6! - 5)$.
$56957 := (-7 + 5!) \times 9!/6! + 5$.
$56997 := 79 \times (\sqrt{9} + 6!) - 5!$.
$57126 := (6 + 2)! - 1 + 7^5$.
$57127 := (7 + 2 - 1)! + 7^5$.
$57128 := 8! + 2 - 1 + 7^5$.
$57456 := (-6 + 5!)/\sqrt{4} \times 7!/5$.
$57465 := 5^6 \times 4 - 7! + 5$.
$57843 := 3!! - 4 + 8! + 7^5$.
$57847 := (7 - 4)!! + 8! + 7^5$.
$57849 := (\sqrt{9})!! + \sqrt{4} + 8! + 7^5$.
$58315 := (5 + 1)! \times \sqrt{3^8} - 5$.
$58329 := 9^{2+3} - (8 - 5)!!$.
$58362 := (2 + 6!) \times \sqrt{3^8} - 5!$.
$58368 := 8 \times (6! + 3^8) + 5!$.
$58459 := 9!/(5 \times 4) + 8! - 5$.
$58464 := (-4! + 6!)/4 \times 8!/5!$.
$58688 := 8 \times (-8 - 6! + 8!/5)$.
$58928 := 82 \times (\sqrt{9})!! + 8 - 5!$.
$58935 := -5! + 3! + (9!/8!)^5$.
$58959 := -9 \times (5 - \sqrt{9^8} + 5)$.
$58997 := -7 + 9 \times (\sqrt{9^8} - 5)$.
$59013 := -3!^{1+0!} + 9^5$.
$59019 := -\sqrt{9} \times 10 + 9^5$.
$59023 := -3! - 20 + 9^5$.
$59024 := -4! - 2 + 0! + 9^5$.
$59025 := -5^2 + 0! + 9^5$.
$59026 := -(6 - 2)! + 0! + 9^5$.
$59035 := -5 \times 3 + 0! + 9^5$.
$59036 := -6 - 3! - 0! + 9^5$.
$59038 := -8 - 3 + 0 + 9^5$.
$59039 := -9 - (3 \times 0)! + 9^5$.
$59043 := -3 - 4 + 0! + 9^5$.
$59045 := -5 + (4 \times 0)! + 9^5$.
$59046 := -6 + 4 - 0! + 9^5$.
$59048 := -(84 \times 0)! + 9^5$.
$59062 := 2 \times 6 + 0! + 9^5$.
$59073 := 3 \times (7 + 0!) + 9^5$.
$59074 := 4! + (7 \times 0)! + 9^5$.
$59086 := \sqrt{\sqrt{6^8}} + 0! + 9^5$.
$59098 := 8 \times (\sqrt{9})! + 0! + 9^5$.
$59129 := 9^2 - 1 + 9^5$.
$59144 := 4 \times 4! - 1 + 9^5$.
$59145 := 5! - 4! + 1 \times 9^5$.
$59159 := 9^5 - 1 - 9 + 5!$.
$59175 := 5! + 7 - 1 + 9^5$.
$59193 := 3^{9+1} + (\sqrt{9})!!/5$.
$59194 := 4! \times (\sqrt{9})! + 1 + 9^5$.
$59229 := (\sqrt{9})!!/2^2 + 9^5$.
$59263 := \sqrt{3!^6} - 2 + 9^5$.
$59275 := (5! - 7) \times 2 + 9^5$.
$59283 := 3!! \times 82 + \sqrt{9^5}$.
$59289 := (-\sqrt{9} + 8)! \times 2 + 9^5$.
$59349 := \sqrt{9!/4 - 3!!} + 9^5$.
$59375 := 5^{7-3} \times 95$.
$59385 := (5! - 8) \times 3 + 9^5$.
$59392 := (-2 + 9)^3 + 9^5$.
$59397 := (-7! + 9!)/3! - \sqrt{9^5}$.
$59409 := 90 \times 4 + 9^5$.
$59455 := (5! - 5) \times (\sqrt{4^9} + 5)$.
$59481 := 18 \times 4! + 9^5$.
$59529 := ((\sqrt{9})! - 2) \times 5! + 9^5$.
$59645 := -5! - 4 + 6! + 9^5$.
$59655 := 5 \times 5! + 6 + 9^5$.
$59683 := 3!! - 86 + 9^5$.
$59776 := 6! + \sqrt{7 \times 7} + 9^5$.
$59793 := 3!! + (\sqrt{9 + 7})! + 9^5$.
$59796 := -6! + (\sqrt{9} + 7!) \times \sqrt{(\sqrt{9})!!/5}$.
$59874 := 4! + 7!/8 \times 95$.
$59904 := -\sqrt{4^{0+9}} \times (\sqrt{9} - 5!)$.
$59945 := (5^4 + (\sqrt{9})!) \times 95$.
$59949 := (\sqrt{9})!!/4 + (\sqrt{9})!! + 9^5$.
$59968 := -\sqrt{8^6} + 9!/((\sqrt{9})!!/5!)$.
$60359 := (9! - 5 - 3!! - 0!)/6$.
$60456 := \sqrt{6!/5} \times (-\sqrt{4} + (0! + 6)!)$.
$60459 := (9! - 5! - (4 - 0!)!)/6$.
$60469 := 9!/6 - 4 - 0! - 6$.
$60495 := -5 + (9! + (4 + 0!)!)/6$.
$60595 := -5 + (9! + (5 + 0!)!)/6$.
$60992 := 2^9 + 9!/(0 + 6)$.
$61834 := (-4 + 3!!/8) \times (-1 + 6!)$.
$62504 := 4 \times (0! + \sqrt{5^{2\times 6}})$.
$63468 := 86 \times (4! - 3! + 6!)$.
$63624 := (4! + 2^6) \times (3 + 6!)$.
$63924 := ((4! - 2)^{\sqrt{9}} + 3!) \times 6$.
$63994 := (49 - 9)^3 - 6$.
$64368 := 8! + 6^{3!}/\sqrt{4} + 6!$.
$64449 := (9 - 4!)^4 + \sqrt{4!^6}$.
$64518 := 8!/15 \times 4! + 6$.
$64792 := 2^{9+7} - 4! - 6!$.
$64806 := (6! + 0! + 8!/4) \times 6$.
$64809 := 9 \times (0! + (8 + \sqrt{4}) \times 6!)$.
$64814 := (4 \times 1)^8 - \sqrt{4} - 6!$.
$64836 := (6! + 3! + 8!/4) \times 6$.
$64888 := 8! - 8 + 8^4 \times 6$.
$64896 := \sqrt{(6 + 98)^4} \times 6$.
$64986 := 6!/8 \times ((\sqrt{9})!! + \sqrt{4}) + 6$.
$65125 := 521 \times \sqrt{5^6}$.
$65284 := 4^8 - 2 \times (5! + 6)$.
$65422 := 2^{(2^4)} - 5! + 6$.
$65484 := 4^8 + 4 - 56$.
$65488 := 8 \times (8 \times 4^5 - 6)$.
$65528 := -8 + 2^{5+5+6}$.
$65536 := (6/3)^{5+5+6}$.
$65735 := -5^{3!} + (-7 + 5!) \times 6!$.
$66396 := -6 + 93 \times (6! - 6)$.
$66399 := -\sqrt{9} + 93 \times (6! - 6)$.
$66738 := 8! + 37 \times (6! - 6)$.
$67195 := -5 + (9! + (1 + 7)!)/6$.
$67239 := 93 \times (\sqrt{2 + 7} + 6!)$.
$67509 := 9 \times (0! + \sqrt{5^7 \times 6!})$.
$67536 := (6 + 3)!/5 - 7 \times 6!$.
$67969 := -(\sqrt{9})!! \times 69 + 7^6$.
$68579 := 97 \times (-5 - 8 + 6!)$.
$68992 := (2^9 + (\sqrt{9})!!) \times 8!/6!$.
$69152 := 2^5 \times (1 + \sqrt{9} \times 6!)$.
$69216 := (6! + 1^2) \times 96$.
$69312 := (2 + 1 \times 3!!) \times 96$.
$69336 := 6^3 + 3!! \times 96$.
$69399 := -9 + (\sqrt{9} + 3!!) \times 96$.
$69497 := -7 + ((\sqrt{9})!! + 4) \times 96$.
$69504 := (4 + (0! + 5)!) \times 96$.
$69693 := -3 + ((\sqrt{9})! + 6!) \times 96$.
$69694 := -\sqrt{4} + ((\sqrt{9})! + 6!) \times 96$.
$69699 := \sqrt{9} + ((\sqrt{9})! + 6!) \times 96$.
$69791 := -1 + ((\sqrt{9})!! + 7) \times 96$.
$69792 := ((2 \times \sqrt{9})! + 7) \times 96$.
$69794 := \sqrt{4} + ((\sqrt{9})!! + 7) \times 96$.
$69847 := 7! + 4^8 - 9 - 6!$.
$70585 := \sqrt{5^8} \times (5! + 0!) - 7!$.
$72559 := 9!/5 - 5 \times 2 - 7$.

$72569 := (\sqrt{9}+6)!/\sqrt{5^2}-7.$
$72581 := (1+8)!/5-2+7.$
$72583 := (\sqrt{\sqrt{3^8}})!/\sqrt{5^2}+7.$
$72893 := (3\times(\sqrt{9})!!/8)^2-7.$
$73088 := 8\times(8^{0!+3}+7!).$
$73236 := (6-3!!)\times(2-3!!)/7.$
$73296 := 6!+9!\times 2/(3+7).$
$73597 := (7!+9!)/5+3!+7.$
$73805 := 5^{(-0!+8)}+3!!-7!.$
$74263 := (3+6!-2)^{\sqrt{4}}/7.$
$74348 := 8!+(4+3!!)\times 47.$
$74366 := (6!\times(6!+3)+\sqrt{4})/7.$
$74385 := -5!/8\times(3^4-7!).$
$74455 := 5\times((5!+\sqrt{4})^{\sqrt{4}}+7).$
$74464 := (4-6!)\times(4!-\sqrt{4^7}).$
$74468 := (-8+(6!+\sqrt{4})^{\sqrt{4}})/7.$
$74879 := (9!-7+8!\times 4)/7.$
$75243 := -3!!\times 4-2+5^7.$
$75245 := -5\times 4!^2+5^7.$
$75519 := -(\sqrt{9})!+15\times(-5+7!).$
$75965 := -5!\times 6\times\sqrt{9}+5^7.$
$75989 := \sqrt{9}\times(8-(\sqrt{9})!!)+5^7.$
$77378 := -8!+7^{3!}+7\times 7.$
$77405 := -(5+0!)!+(-\sqrt{4}+7)^7.$
$77406 := -6!+0!+(-\sqrt{4}+7)^7.$
$77559 := 9!/5-57+7!.$
$77609 := 9!/(-0!+6)+7!-7.$
$77946 := 6\times(4!^{\sqrt{9}}+7)-7!.$
$78005 := -5!+(-0!+(\sqrt{0!+8})!)^7.$
$78119 := -(\sqrt{9})!+(-1+(\sqrt{1+8})!)^7.$
$78125 := 5^{2+\sqrt{18+7}}.$
$78132 := (2+3)^{(-1+8)}+7.$
$78489 := (9+8)^4+8-7!.$
$78965 := 5!+6!+(-\sqrt{9}+8)^7.$
$78974 := \sqrt{4}\times(-7!/(\sqrt{9})!+8!+7).$
$79085 := 5!\times 8+(-0!+(\sqrt{9})!)^7.$
$79128 := 8\times 21^{\sqrt{9}}+7!.$
$79823 := -3!!+2\times 8!-97.$
$79879 := ((\sqrt{9})!^7-8!)/\sqrt{9}+7.$
$79947 := (7!/4+9)\times 9\times 7.$
$79983 := (3!^8/\sqrt{9}+9)/7.$
$80297 := -7^{\sqrt{9}}+2\times(0+8!).$
$80394 := \sqrt{4}\times(-\sqrt{9}-(3!-0!)!+8!).$
$80582 := 2\times 8!-50-8.$
$80585 := -5+8!-50+8!.$
$80614 := -4!+\sqrt{\sqrt{16}}\times(-0!+8!).$
$80752 := 2\times(57-0!+8!).$
$80754 := \sqrt{4}\times(57+(0+8)!).$
$80765 := \sqrt{5^6}+(7+0!)!+8!.$
$81542 := 2\times(451+8!).$
$82934 := 4!^3\times(\sqrt{9})!-2-8.$
$82946 := 6\times 4!^{\sqrt{9}}+\sqrt{\sqrt{2\times 8}}.$
$83195 := (5\times((\sqrt{9})!+1))^3+8!.$
$83349 := 9\times(4!-3)^{\sqrt{\sqrt{\sqrt{3^8}}}}.$
$83523 := 3!!/2\times 5!+3+8!.$
$83526 := 6!/2\times 5!+3!+8!.$
$83528 := (-8/2+5!)\times 3!!+8.$
$83664 := \sqrt{4!^6}\times 6+(\sqrt{\sqrt{\sqrt{3^8}}})!!.$
$84075 := 5\times(7^{0!+4}+8).$
$84092 := 290^{\sqrt{4}}-8.$
$84864 := (-4!+6!)\times\sqrt{8^4}+8!.$
$85293 := 3^{(\sqrt{9})!+2}\times(5+8).$
$85305 := (5!+0!)\times(3!!-5!/8).$
$85655 := -5!+5!\times 6!-\sqrt{5^8}.$
$85663 := -3^6+6!\times 5!-8.$
$85665 := 5!\times(6!-6)-5!/8.$
$85673 := -3!!-7+6!\times(\sqrt{\sqrt{\sqrt{5^8}}})!.$
$85695 := 5!\times((\sqrt{9})!!-6)+5!/8.$
$85698 := 8!+(9!+6!/5)/8.$
$85775 := 5!\times 7!/7-\sqrt{5^8}.$
$85944 := 4!+(-4+(\sqrt{9})!!)\times(\sqrt{\sqrt{\sqrt{5^8}}})!.$
$85945 := -5!\times(4-(\sqrt{9})!!)-\sqrt{\sqrt{5^8}}.$
$85995 := (5!-\sqrt{9})\times((\sqrt{9})!!+5!/8).$
$86332 := (2+3)!\times 3!!-68.$
$86335 := 5!\times 3!!+3-68.$
$86357 := -7+5!\times 3!!-\sqrt{\sqrt{6^8}}.$
$86365 := 5!\times 6!-\sqrt{3^6}-8.$
$86436 := 6!\times(3+\sqrt{4})!+\sqrt{\sqrt{6^8}}.$
$86515 := (5!+1)\times\left(-5+\left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!\right).$
$86556 := 6!\times 5!+5!+\sqrt{\sqrt{6^8}}.$
$86735 := 5!\times 3!!+\sqrt{7^6}-8.$
$86927 := -7^2+(\sqrt{9})!^6+8!.$
$87368 := 8!/6\times(3!+7)+8.$
$87846 := 6\times\sqrt{(4-8-7)^8}.$
$87976 := -6^7+9!+7!-8.$
$88416 := 6^{1+4}+8!+8!.$
$88826 := -6+2\times(8!+\sqrt{8^8}).$
$88829 := -\sqrt{9}+2\times(8!+\sqrt{8^8}).$
$89253 := (-3+5!^2)\times 9-8!.$
$89264 := \sqrt{4}\times(62\times(\sqrt{9})!!-8).$
$90973 := 37^{\sqrt{9}}+(-0!+9)!.$
$91125 := (5\times(-2+11))^{\sqrt{9}}.$
$91245 := 5!+(4!+21)^{\sqrt{9}}.$
$91449 := 9!/4+(4-1)!!+9.$
$91567 := (7!/6!+5!)\times(1+(\sqrt{9})!!).$
$91975 := -5+(7!+9!)/(1+\sqrt{9}).$
$91978 := (-8+7!+9!)/(1+\sqrt{9}).$
$92096 := (6!+(\sqrt{9})!!-0!)\times 2^{(\sqrt{9})!}.$
$92256 := (6+5!-2)^2\times(\sqrt{9})!.$
$92525 := 5!^2+5^{(-2+9)}.$
$92672 := 2^7\times 6!+2^9.$
$93352 := 2\times(5!/3!+3!^{(\sqrt{9})!}).$
$93366 := 6\times(6^{3!}/3+9).$
$93392 := 2\times(\sqrt{9})!^{3!}+3!!/9.$
$93456 := 6!/5+\sqrt{4}\times 3!^{(\sqrt{9})!}.$
$93582 := (-28+5^{3!})\times(\sqrt{9})!.$
$93654 := (4+\sqrt{5^6})\times(3!+(\sqrt{9})!!).$
$93745 := -5+(\sqrt{4}-7)^{3!}\times(\sqrt{9})!.$
$93784 := ((-4!+8!)\times 7-3!!)/\sqrt{9}.$
$93792 := (2^9+7!\times 3)\times(\sqrt{9})!.$
$93795 := (5^{(\sqrt{9})!}+7)\times 3!+\sqrt{9}.$
$93824 := \sqrt{4}\times(2^8+3!^{(\sqrt{9})!}).$
$93873 := (3!+\sqrt{7^8})\times 39.$
$93984 := (\sqrt{\sqrt{4}\times 8^9}-3!!)\times(\sqrt{9})!.$
$94078 := (8!\times 7-(0!+\sqrt{4})!)/\sqrt{9}.$
$94087 := 7\times(8!-0!+4)/\sqrt{9}.$
$94088 := (8!\times(8-0!)+4!)/\sqrt{9}.$
$94096 := (\sqrt{6!+9}-0!)^4-9!.$
$94214 := (4!-1)\times\sqrt{2^{4!}}+(\sqrt{9})!.$
$94478 := (8!+7)\times\sqrt{4}+4!^{\sqrt{9}}.$
$94488 := 8!+8!+4!+4!^{\sqrt{9}}.$
$94536 := 6\times(3!+5!)^{\sqrt{4}}-(\sqrt{9})!!.$
$94584 := \sqrt{4}\times 8!+5!+4!^{\sqrt{9}}.$
$94675 := -5^7+6!^{\sqrt{4}}/\sqrt{9}.$
$94798 := 8!/\sqrt{9}\times 7-\sqrt{4}+(\sqrt{9})!!.$
$94935 := 5\times(3^9+4!-(\sqrt{9})!!).$
$95265 := (5^6-(2+5)!)\times 9.$
$95424 := 4\times(\sqrt{2^{4!}}-5!)\times(\sqrt{9})!.$
$95744 := 4\times(-4^7+(5+\sqrt{9})!).$
$95872 := 2\times 7\times 8^5-9!.$
$96336 := 6^{3!}+3!!\times 69.$
$96576 := 6\times(7^5-6!+9).$
$97205 := 5\times(0!+27\times(\sqrt{9})!!).$
$97336 := (6+3+37)^{\sqrt{9}}.$
$97483 := -3!-8!/\sqrt{4}+7^{(\sqrt{9})!}.$
$97486 := -(6+8!)/\sqrt{4}+7^{(\sqrt{9})!}.$
$97755 := 5\times 57\times 7^{\sqrt{9}}.$
$97783 := -(\sqrt{\sqrt{3^8}})!+7^7-9!.$
$97848 := -8!+4!\times(8!/7-\sqrt{9}).$
$97971 := 17\times(\sqrt{9}+7!+(\sqrt{9})!!).$
$98425 := 5\times(2+(4!/8)^9).$
$98643 := 3^4\times 6!+8!+\sqrt{9}.$
$98649 := \sqrt{9^4}\times 6!+8!+9.$
$99135 := 5\times(3\times 1)^9+(\sqrt{9})!!.$
$99384 := (4^8+3!!)\times 9/(\sqrt{9})!.$
$99597 := (-7!-9^5+9!)/\sqrt{9}.$
$99744 := \sqrt{4}\times(4^7\times\sqrt{9}+(\sqrt{9})!!).$

# 6 Selfie Numbers in Increasing and Decreasing Orders of Digits

$120 := (-0! + (1+2)!)! = ((2+1)! - 0!)!.$

$184 := (-1+4!) \times 8 = 8 \times (4! - 1).$

$595 := -5! - 5 + (\sqrt{9})!! = (\sqrt{9})!! - 5 - 5!.$

$734 := 3!! + \sqrt{4} \times 7 = 7 \times \sqrt{4} + 3!!.$

$791 := \sqrt{1+7!} + (\sqrt{9})!! = (\sqrt{9})!! + 71.$

$797 := 77 + (\sqrt{9})!! = (\sqrt{9})!! + 77.$

$1436 := 1 \times 3!! - 4 + 6! = 6! - 4 + 3!! \times 1.$

$1438 := (-1+3!!) \times \sqrt{-4+8} = \sqrt{8-4} \times (3!! - 1).$

$1785 := (-1+5!) \times (7+8) = (8+7) \times (5! - 1).$

$2159 := -1 - (2-5) \times (\sqrt{9})!! = \sqrt{9} \times (5-2)!! - 1.$

$2197 := \sqrt{(-1+2\times 7)^{(\sqrt{9})!}} = ((\sqrt{9})! + 7)^{2+1}.$

$2846 := -2 + 4 \times (6! - 8) = (-8 + 6!) \times 4 - 2.$

$2880 := (0!+2)!! \times \sqrt{8+8} = \sqrt{8+8} \times (2+0!)!!.$

$2907 := (0!+2)^7 + (\sqrt{9})!! = \sqrt{9^7} + (2+0!)!!.$

$2952 := (2\times 2)! \times (5! + \sqrt{9}) = (\sqrt{9} + 5!) \times (2\times 2)!.$

$3249 := (2+3!!)/\sqrt{4} \times 9 = 9 \times (\sqrt{4} + 3!!)/2.$

$3582 := (-2+3!!) \times 5 - 8 = -8 + 5 \times (3!! - 2).$

$3590 := -0! + 3!! \times 5 - 9 = -9 + 5 \times 3!! - 0!.$

$3630 := (-0!+3!) \times (3!+6!) = (6+3!!) \times (3! - 0!).$

$3798 := (3 + 7!/8) \times (\sqrt{9})! = (\sqrt{9})! \times (-87 + 3!!).$

$3840 := (-0!+3!)! \times 4 \times 8 = 8 \times 4 \times (3! - 0!)!.$

$3977 := (-3!! + 7!) - 7^{\sqrt{9}} = -(\sqrt{9})!! + 7! - 7^3.$

$4095 := -0! + \sqrt{\sqrt{4^{(-5+9)!}}} = \sqrt{\sqrt{(9-5)^4!}} - 0!.$

$4097 := 0! + \sqrt{\sqrt{4^{(\sqrt{7+9})!}}} = \sqrt{(9-7)^4!} + 0!.$

$4309 := 0! + (3!! - \sqrt{4}) \times (\sqrt{9})! = (\sqrt{9})! \times (-\sqrt{4} + 3!!) + 0!.$

$4320 := -(0!+2)!! + (3+4)! = (4+3)! - (2+0!)!!.$

$4330 := (0!+3!!) \times 3! + 4 = 4 + 3! \times (3!! + 0!).$

$4331 := -1 + 3! \times (3!! + \sqrt{4}) = (\sqrt{4} + 3!!) \times 3! - 1.$

$4334 := 3! \times (3!! + \sqrt{4}) + \sqrt{4} = \sqrt{4} + (\sqrt{4} + 3!!) \times 3!.$

$4335 := 3 \times (3!! \times \sqrt{4} + 5) = (5 + \sqrt{4} \times 3!!) \times 3.$

$4338 := 3! \times (3 + (4!/8)!!) = (8 - \sqrt{4}) \times (3 + 3!!).$

$4356 := 3! \times ((\sqrt{4+5})! + 6!) = (6 + (\sqrt{5+4})!!) \times 3!.$

$4392 := (2 \times 3!! + 4!) \times \sqrt{9} = \sqrt{9} \times (4! + 3!! \times 2).$

$4752 := -2 \times (4! + 5!) + 7! = 7! - (5! + 4!) \times 2.$

$4917 := -(1+4)! + 7! - \sqrt{9} = -\sqrt{9} + 7! - (4+1)!.$

$4947 := -4! \times 4 + 7! + \sqrt{9} = \sqrt{9} + 7! - 4 \times 4!.$

$4959 := (\sqrt{4}+5)! - 9 \times 9 = -9 \times 9 + (5 + \sqrt{4})!.$

$4967 := -\sqrt{4^6} + 7! - 9 = -9 + 7! - 64.$

$4976 := -\sqrt{4^6} + 7 \times (\sqrt{9})!! = (\sqrt{9})!! \times 7 - 64.$

$4979 := \sqrt{4} + 7 \times (-9 + (\sqrt{9})!!) = ((\sqrt{9})!! - 9) \times 7 + \sqrt{4}.$

$5075 := ((0!+5)! + 5) \times 7 = 7 \times (5 + (5+0!)!).$

$5076 := 0! + (5+6!) \times 7 = 7! + 6 \times (5 + 0!).$

$5171 := 11 + 5! + 7! = 7! + 5! + 11.$

$5391 := (-1 + 3!! - 5!) \times 9 = 9 \times (-5! + 3!! - 1).$

$5735 := 3!! - 5 \times 5 + 7! = 7! - 5 \times 5 + 3!!.$

$5759 := -5/5 + 7! + (\sqrt{9})!! = (\sqrt{9})!! + 7! - 5/5.$

$6459 := 4! + (-5+6!) \times 9 = 9 \times (6! - 5) + 4!.$

$6472 := 2 \times (-4+6!) + 7! = 7! + (6! - 4) \times 2.$

$6480 := (0!+4) \times \sqrt{6^8} = 8 \times 6! + (4-0!)!!.$

$6498 := (\sqrt{4} + (\sqrt{\sqrt{\sqrt{6^8}}})!) \times 9 = \sqrt{\sqrt{\sqrt{9^8}}} \times (6! + \sqrt{4}).$

$6549 := 4! + (5+6!) \times 9 = 9 \times (6!+5) + 4!.$

$6595 := 5! - 5 + 6! \times 9 = 9 \times 6! - 5 + 5!.$

$7920 := \sqrt{0! + (-2+7)!} \times (\sqrt{9})!! = (\sqrt{9})!! \times \sqrt{(7-2)! + 0!}.$

$8448 := 4! \times 4 \times 88 = 88 \times 4 \times 4!.$

$8595 := (-5 + 5! \times 8) \times 9 = 9 \times (8 \times 5! - 5).$

$9360 := (0! + 3! + 6) \times (\sqrt{9})!! = (\sqrt{9})!! \times (6 + 3! + 0!).$

$10079 := (0!+0!) \times (1+7!) - \sqrt{9} = (\sqrt{9})!! \times 7 \times (1+0!) - 0!.$

$10098 := (0!+0!) \times ((-1+8)! + 9) = (9 + (8-1)!) \times (0! + 0!).$

$10785 := (-0! + (1+5)!) \times (7+8) = (8+7) \times ((5+1)! - 0!).$

$10786 := 0! + (-1+6!) \times (7+8) = (8+7) \times (6! - 1) + 0!.$

$11648 := (1+1)^4 \times (6!+8) = (8+6!) \times 4^{1+1}.$

$12924 := ((1+2)!! \times 2 - 4) \times 9 = -9 \times (4 - 2 \times (2+1)!!).$

$12942 := ((1+2)!! \times 2 - \sqrt{4}) \times 9 = 9 \times (-\sqrt{4} + 2 \times (2+1)!!).$

$12943 := 1 + (2 \times 3!! - \sqrt{4}) \times 9 = 9 \times (-\sqrt{4} + 3!! \times 2) + 1.$

$12957 := (-1 - (-2+5)!! + 7!) \times \sqrt{9} = \sqrt{9} \times (7! - (5-2)!! - 1).$

$12999 := (1 + (2 + (\sqrt{9})!!) \times (\sqrt{9})!) \times \sqrt{9} = \sqrt{9} \times ((\sqrt{9})! \times ((\sqrt{9})!! + 2) + 1).$

$13189 := -11 + (-3!! + 8!)/\sqrt{9} = (-(\sqrt{9})!! + 8!)/3 - 11.$

$13198 := -(1+1)! + (-3!! + 8!)/\sqrt{9} = (-(\sqrt{9})!! + 8!)/3 - 1 - 1.$

$13448 := \sqrt{((-1+3!)! - 4)^4} - 8 = 8 + (4+4)!/3 \times 1.$

$13449 := 1 + ((3! + \sqrt{4})! + 4!)/\sqrt{9} = 9 + (4+4)!/3 \times 1.$

$13464 := -1 \times 3!!/\sqrt{4} + \sqrt{4!^6} = -6!/\sqrt{4} + 4!^3 \times 1.$

$13536 := (1+3!)! + 3!^5 + 6! = 6^5 + 3!! + (3!+1)!.$

$13560 := (-0! + (-1+3!)!) \times 5! - 6! = -6! + 5! \times ((3!-1)! - 0!).$

$13644 := -1 \times 3!!/4 + \sqrt{4!^6} = -6!/4 + 4!^3 \times 1.$

$13673 := (13+3!) \times 6! - 7 = -7 + 6! \times (3 \times 3! + 1).$

$13674 := (-1 + 3!! \times \sqrt{4}) \times 6 + 7! = 7! + 6 \times (\sqrt{4} \times 3!! - 1).$

$13832 := (1+23)^3 + 8 = (8+3!!) \times \sqrt{3!!/2 + 1}.$

$13944 := (1^3 + 4)! + 4!^{\sqrt{9}} = (9-4)! + 4!^3 \times 1.$

$14355 := ((-1+3!!) \times 4 - 5) \times 5 = 5 \times (-5 + 4 \times (3!! - 1)).$

$14373 := (-1+3!!) \times (3+4!) - 7! = -7! + (4! + 3) \times (3!! - 1).$

$14385 := \sqrt{(-1+3!)!^4} - 5!/8 = -8 + \sqrt{5!^4} - 3! - 1.$

$14390 := -0! + \sqrt{(-1+3!)!^4} - 9 = 9!/4! - 3!! - 10.$

$14391 := \sqrt{(1+1+3)!^4} - 9 = -9 + (\sqrt{4}+3)!^{1+1}.$

$14392 := 1 + \sqrt{(2+3)!^4} - 9 = -9 + (\sqrt{4}+3)!^2 + 1.$

$14393 := -1 + \sqrt{(3!!/3!)^4} - (\sqrt{9})! = 9!/4! - 3!! - 3! - 1.$

$14394 := \sqrt{(1^3+4)!^4} - (\sqrt{9})! = \sqrt{(9-4)!^4} - 3! \times 1.$

$14398 := \sqrt{(-1+3!)!^4} - 8 + (\sqrt{9})! = \sqrt{(-\sqrt{9}+8)!^4} - 3 + 1.$

$14420 := (0! + (1+2)!!) \times (-4+4!) = (-4+4!) \times ((2+1)!! + 0!).$

$14423 := -1 + \sqrt{(2+3)!^4} + 4! = 4! + (\sqrt{4}+3)!^2 - 1.$

$14424 := (1+2)!! \times (-4+4!) + 4! = 4! + (-4+4!) \times (2+1)!!.$

$14435 := (-1+(3!!+\sqrt{4})\times 4)\times 5 = \sqrt{5!^4}+4+31.$

$14495 := -1+4!\times(4-5!+(\sqrt{9})!!) = ((\sqrt{9})!!-5!+4)\times 4!-1.$

$14520 := (0!+(-1+2+4)!)\times 5! = 5!\times((4+2-1)!+0!).$

$14739 := 1\times 3\times\sqrt{(4!-7)^{(\sqrt{9})!}} = \sqrt{9}\times(-7+4!)^3\times 1.$

$14885 := 1+\sqrt{(\sqrt{4}+5!)^{\sqrt{8+8}}} = \sqrt{(\sqrt{\sqrt{8+8}}+5!)^4}+1.$

$14976 := -1\times 4!\times 6+7!\times\sqrt{9} = \sqrt{9}\times 7!-6!/(4+1).$

$15120 := (0!+1+1)\times(2+5)! = (5+2)!\times(1+1+0!).$

$15137 := 1+1+3\times(5+7!) = (7!+5)\times 3+1+1.$

$15358 := 1-3+5!\times(5!+8) = (8+5!)\times 5!-3+1.$

$15474 := (-1+4)\times(-\sqrt{4}+5!+7!) = (7!+5!-\sqrt{4})\times(4-1).$

$15565 := -\sqrt{(1+5)!\times 5}+5^6 = -\sqrt{6!\times 5}+5^{5+1}.$

$15620 := 0!-(1+2)!+5^6 = -6+5^{(2+1)!}+0!.$

$15626 := 1+\sqrt{\sqrt{25^{6+6}}} = (6-6)!+5^{(2+1)!}.$

$15630 := -01+3!+5^6 = 6+5^{3!}-1\times 0!.$

$15632 := 1+2\times 3+5^6 = 6+5^{3\times 2}+1.$

$15633 := -1+3\times 3+5^6 = 6+5^{3!}+3-1.$

$15696 := (-1+5)!\times(-66+(\sqrt{9})!!) = ((\sqrt{9})!!-66)\times(5-1)!.$

$15839 := -1+3!!\times(5+8+9) = (9+8+5)\times 3!!-1.$

$15840 := (-0!-1+4!)\times(-5+8)!! = (8-5)!!\times(4!-1-0!).$

$16445 := (-1^4+4!)\times(-5+6!) = (6!-5!/4!)\times(4!-1).$

$16490 := -0!-(1-4!)\times(6!-\sqrt{9}) = (-\sqrt{9}+6!)\times(4!-1)-0!.$

$16491 := (-1+1\times 4!)\times(6!-\sqrt{9}) = (-\sqrt{9}+6!)\times(4!\times 1-1).$

$16497 := (-1+4!)\times 6!-7\times 9 = -9\times 7+6!\times(4!-1).$

$16554 := (-1+4!\times(-5+5!))\times 6 = 6\times((-5+5!)\times 4!-1).$

$16561 := 1+(-1+5)!\times 6!-6! = -6!+6!\times(5-1)!+1.$

$16629 := (-1+(-2+6)!)\times(6!+\sqrt{9}) = (\sqrt{9}+6!)\times((6-2)!-1).$

$16798 := (1+6)\times\sqrt{7^8}-9 = -9!/8!+7^{6-1}.$

$17233 := 1+(-2+3!!)\times(-3+7)! = (7-3)!\times(3!!-2)+1.$

$17245 := (1+2)!!\times 4!-5\times 7 = -7\times 5+4!\times(2+1)!!.$

$17265 := (1+2)\times(-5+6!+7!) = (7!+6!-5)\times(2+1).$

$17273 := (1+2)!!\times(-3+7)!-7 = -7+(7-3)!\times(2+1)!!.$

$17295 := ((1+2)!!+5+7!)\times\sqrt{9} = \sqrt{9}\times(7!+5+(2+1)!!).$

$17446 := -1\times\sqrt{4}+4!\times(6!+7) = (7+6!)\times 4!-\sqrt{4}\times 1.$

$17447 := -1+4!\times((-4+7)!!+7) = (7+(7-4)!!)\times 4!-1.$

$17497 := 1+4!\times(7!/7+9) = (9+7!/7)\times 4!+1.$

$17999 := -1+(7+9+9)\times(\sqrt{9})!! = (\sqrt{9})!!\times(9+9+7)-1.$

$18424 := (-1+\sqrt{(2\times 4!)^4})\times 8 = 8\times(4\times 4!^2-1).$

$18432 := 12\times 3!\times\sqrt{4^8} = 8\times 4!^3/(2+1)!.$

$19143 := (-11+3!!)\times(4!+\sqrt{9}) = (\sqrt{9}+4!)\times(3!!-11).$

$19376 := -1+(3\times 6!-7)\times 9 = 9\times(-7+6!\times 3)-1.$

$19419 := -11\times 4!+\sqrt{9^9} = \sqrt{9^9}-4!\times 11.$

$19437 := -1\times 3+4\times 7!-(\sqrt{9})!! = -(\sqrt{9})!!+7!\times 4-3\times 1.$

$19440 := (-01+4+4!)\times(\sqrt{9})!! = \sqrt{9^4}\times 4!\times 10.$

$19446 := (-1+4)\times(\sqrt{4}+6!\times 9) = (\sqrt{9})!+6!\times(4!+4-1).$

$19539 := -(1+3)!-5!+\sqrt{9^9} = \sqrt{9^9}-5!-(3+1)!.$

$19557 := (1+5!)\times 5!+7!-\sqrt{9} = -\sqrt{9}+7!+5!\times(5!+1).$

$19559 := 1-5-5!+\sqrt{9^9} = \sqrt{9^9}-5!-5+1.$

$19569 := -1\times 5!+6+\sqrt{9^9} = \sqrt{9^9}+6-5!\times 1.$

$19659 := -(-1+5)!+(-6+9)^9 = \sqrt{9^9}-6\times(5-1).$

$19682 := -1+((-2+6)!/8)^9 = \sqrt{9^8}\times 6/2-1.$

$19689 := -\sqrt{\sqrt{16}}+8+\sqrt{9^9} = \sqrt{9^9}+(8-6+1)!.$

$19795 := -1+5!-7+\sqrt{9^9} = \sqrt{9^9}-7+5!-1.$

$19796 := (-1+6)!-7+\sqrt{9^9} = \sqrt{9^9}-7+(6-1)!.$

$19899 := (\sqrt{1+8})!^{\sqrt{9}}+\sqrt{9^9} = \sqrt{9^9}+(\sqrt{9})!^{\sqrt{\sqrt{81}}}.$

$19923 := (1+2)!!/3+\sqrt{9^9} = \sqrt{9^9}+3!!/(2+1).$

$19945 := 1+4!\times(5!-9+(\sqrt{9})!!) = (\sqrt{9})!\times(\sqrt{9})!!+5^{(4-1)!}.$

$20743 := (02\times 3!)^4+7 = 7+(4!\times 3!)^2\times 0!.$

$20879 := -0!+\sqrt{2\times 7!\times 8!}+(\sqrt{9})!! = (\sqrt{9})!!+8\times 7!/2-0!.$

$21539 := -1+(-2+3!!)\times 5\times(\sqrt{9})! = (\sqrt{9})!\times 5\times(3!!-2)-1.$

$21594 := (-1+(2+4)!\times 5)\times(\sqrt{9})! = (\sqrt{9})!\times(5\times(4+2)!-1).$

$21744 := ((1+2)!!-4!)\times 4!+7! = 7!-4!\times(4!-(2+1)!!).$

$21952 := (1+2+25)^{\sqrt{9}} = ((9+5)\times 2)^{2+1}.$

$22864 := (-22+4\times 6!)\times 8 = 8\times(6!\times 4-22).$

$22976 := 2\times(-2+6!)\times(7+9) = (9+7)\times(6!-2)\times 2.$

$23040 := ((0!+(0!+2)!)!+3!!)\times 4 = 4\times(3!!+((2+0!)!+0!)!).$

$23044 := (0!+2\times 3!!\times 4)\times 4 = 4\times(4\times 3!!\times 2+0!).$

$23048 := (0!+(2\times 3)!\times 4)\times 8 = 8\times(4\times(3\times 2)!+0!).$

$23184 := ((1+2)!-3!!)\times 4!+8! = 8!+4!\times(3!-(2+1)!!).$

$23593 := -2-33\times(5-(\sqrt{9})!!) = ((\sqrt{9})!!-5)\times 33-2.$

$23858 := 2+3!\times(-5!+\sqrt{8^8}) = (\sqrt{8^8}-5!)\times 3!+2.$

$24192 := ((1+2)^2)!/(4!-9) = 9!/(-4-2+21).$

$24334 := 23^3\times\sqrt{\sqrt{4\times 4}} = (4!-4+3)^3\times 2.$

$24389 := (2+\sqrt{\sqrt{3^{4+8}}})^{\sqrt{9}} = \sqrt{(-\sqrt{9}+8\times 4)^{3\times 2}}.$

$24395 := 2\times 3+(4!+5)^{\sqrt{9}} = (\sqrt{9})!+\sqrt{(5+4!)^{3\times 2}}.$

$24434 := 2+3!\times(\sqrt{\sqrt{4^{4!}}}-4!) = (\sqrt{\sqrt{4^{4!}}}-4!)\times 3!+2.$

$24480 := (0!+2)!!\times(\sqrt{4}+4\times 8) = (8\times 4+\sqrt{4})\times(2+0!)!!.$

$24546 := ((2\times 4)^4-5)\times 6 = 6\times(-5+4^{4+2}).$

$24564 := (-2+4\times 4^5)\times 6 = 6!/5!\times\sqrt{\sqrt{4^{4!}}}-2.$

$25137 := 1-2^{3!}+5\times 7! = 7!\times 5-3\times 21.$

$25176 := (1+2)!+5\times(-6+7!) = (7!-6)\times 5+(2+1)!.$

$25179 := -12+5\times 7!-9 = (\sqrt{9})!!\times 7\times 5-21.$

$25191 := (1+(1+2)!)!\times 5-9 = -9+5\times((2+1)!+1)!.$

$25200 := (-0!+(0!+2)!)\times(2+5)! = 5\times((2+2^0)!+0!)!.$

$25210 := ((0!+(1+2)!)!+2)\times 5 = 5\times(2+((2+1)!+0!)!).$

$25270 := ((0!+2)!!+2)\times 5\times 7 = 7\times 5\times(2!+(2+0!)!!).$

$25914 := -(1+2)!+4!\times 5!\times 9 = 9\times 5!\times 4!-(2+1)!.$

$25915 := (-1+(2+5)!)\times 5+(\sqrt{9})!! = (\sqrt{9})!!+5\times((5+2)!-1).$

$25917 := (1+2)!!+5\times 7!-\sqrt{9} = (\sqrt{9})!!+(7!\times 5-2-1).$

$25919 := -1+(-2+5)!\times(\sqrt{9})!\times(\sqrt{9})!! = 9!/(9+5)-2+1.$

$25920 := (02^2)!\times 5!\times 9 = 9!/(-(5-2)!+20).$

$25921 := 1+(2\times 2)!\times 5!\times 9 = 9!/((5+2)\times 2)+1.$

$25922 := 2+(2\times 2)!\times 5!\times 9 = 9!/((5+2)\times 2)+2.$

$25924 := 2\times 2+4!\times 5!\times 9 = 9\times 5!\times 4!+2+2.$

$25929 := (2\times 2)!\times 5!\times 9+9 = 9+9!/((5+2)\times 2).$

$25937 := 2+3!!+5\times(7!+\sqrt{9}) = (\sqrt{9}+7!)\times 5+3!!+2.$

$25938 := (2+3\times 5!\times 8)\times 9 = 9\times(8\times 5!\times 3+2).$

$25946 := 2+4!+5!\times 6^{\sqrt{9}} = \sqrt{(\sqrt{9})!^6}\times 5!+4!+2.$

$25949 := 2+(4!\times 5!+\sqrt{9})\times 9 = 9\times(\sqrt{9}+5!\times 4!)+2.$

$26064 := ((0!+2)!!+4)\times 6\times 6 = 6!\times(6!+4)/20.$

$26136 := 12\times 3\times(6!+6) = 6\times 6\times(3!!+(2+1)!).$

$26398 := -2+3!\times(-6!+8!)/9 = (-\sqrt{9}+8!-6!)/3\times 2!.$

$26640 := (0!+(2+4)\times 6)\times 6! = 6!+6^4\times 20.$

$26896 := 2\times(6+(6+8!)/\sqrt{9}) = (98+66)^2.$

$26934 := 2\times(3+\sqrt{4!^6})-(\sqrt{9})!! = (\sqrt{9})!\times(64+3)^2.$

$26998 := -2+(\sqrt{\sqrt{6^8}}-(\sqrt{9})!)^{\sqrt{9}} = \sqrt{((\sqrt{9})!\times(\sqrt{9}-8))^6}-2.$

$27436 := (2+3!!)\times(-4+6\times 7) = (7\times 6-4)^3/2.$

$27626 := \sqrt{2\times(2+6!)}\times(6!+7) = (7+6!)\times(6^2+2).$

$27634 := \sqrt{-2+3!}\times(\sqrt{4!^6}-7) = (-7+(6\times 4)^3)\times 2.$

$27643 := 2\times(-3!+\sqrt{4!^6})+7 = 7+(-6+4!^3)\times 2.$

$27839 := -2+\sqrt{(3!+7)^8-(\sqrt{9})!!} = ((\sqrt{9})!!-887)^2.$

$28319 := -1+2\times(3!!+8!/\sqrt{9}) = ((\sqrt{9})!!+8!/3)\times 2-1.$

$28552 := (-2+2\times 5!)\times 5!-8 = -8+5!\times(5!\times 2-2).$

$28558 := 2-5+\sqrt{(5+8)^8} = 8!\times 85/5!-2.$

$28832 := 2\times(2-3!!)\times 8+8! = 8!-8\times(3!!-2)\times 2.$

$28864 := 2\times(4-6!)\times 8+8! = 8!-8\times(6!-4)\times 2.$

$29438 := (-2+3!!)\times(4\times 8+9) = (9+8\times 4)\times(3!!-2).$

$29507 := -0!+(-2-5!+7!)\times(\sqrt{9})! = (\sqrt{9})!\times(7!-5!-2)-0!.$

$29517 := (1+2)!\times(-5!+7!)-\sqrt{9} = -\sqrt{9}+(7!-5!)\times(2+1)!.$

$29519 := -1+(2^5+9)\times(\sqrt{9})!! = (-9+9^5)/2-1.$

$29520 := (0!+2)!!\times(2^5+9) = (\sqrt{9})!!+5!^2\times 2+0.$

$29556 := ((2+5)!-5!+6)\times(\sqrt{9})! = (\sqrt{9})!\times(6-5!+(5+2)!).$

$29574 := (2+4)\times(-5!+7!+9) = (9+7!-5!)\times(4+2).$

$29736 := (-2\times 3!+6!)\times 7\times(\sqrt{9})! = (\sqrt{9})!\times 7\times(6!-3!\times 2).$

$29997 := (2\times 7!-9\times 9)\times\sqrt{9} = \sqrt{9}\times(-9\times 9+7!\times 2).$

$30097 := 0!+(-(0!+3)!+7!)\times(\sqrt{9})! = (\sqrt{9})!\times(7!-(3+0!)!)+0!.$

$30197 := -0!+(-1-3!+7!)\times(\sqrt{9})! = -(\sqrt{9})!\times(7-(3!+1)!)-0!.$

$30239 := -0!+(-2+3\times 3)!\times(\sqrt{9})! = 9!/((3+3)\times 2)-0!.$

$30275 := ((0!+2)!\times 3!!+5)\times 7 = 7\times(5+3!\times(2+0!)!!).$

$30287 := -0!+2\times 3\times(7!+8) = (8+7!)\times 3!-(2\times 0)!.$

$30294 := (0!+2)!\times((3+4)!+9) = (9+(4+3)!)\times(2+0!)!.$

$30347 := -0!+3!\times(-3!+4!+7!) = (7!+4!-3!)\times 3!-0!.$

$30367 := 0!+(3+3!!)\times 6\times 7 = 7\times 6\times(3!!+3)+0!.$

$30373 := (0!+3!\times(3+3!!))\times 7 = 7\times(3!\times(3+3!!)+0!).$

$30954 := (-0!+(3+4)!+5!)\times(\sqrt{9})! = (\sqrt{9})!\times(5!\times 43-0!).$

$30959 := -0!+3!!\times(5!+9)/\sqrt{9} = (\sqrt{9})!!\times(9+5!)/3-0!.$

$31249 := -1+2\times(3+\sqrt{4})^{(\sqrt{9})!} = (9-4)^{3!}\times 2-1.$

$31256 := 1\times 2\times(3+5^6) = 6+5^{3!}\times 2\times 1.$

$31614 := 11\times(-3!+4\times 6!) = (6!\times 4-3!)\times 11.$

$31680 := (0!-13)\times 6!+8! = 8!-6!\times 3!\times(1+0!).$

$31686 := (1-3!!-6!)\times 6+8! = 8!-6\times(6!+3!!-1).$

$32258 := 2-(2^3)!/5+8! = -8!/5+(3!+2)!+2.$

$32391 := (-1+(2+3)\times 3!!)\times 9 = 9\times(3!!\times(3+2)-1).$

$32398 := -2+3!!\times(-3+8)\times 9 = 9\times(8-3)\times 3!!-2.$

$32568 := 23\times(5!+\sqrt{6^8}) = 8!-6^5+(3!-2)!.$

$32888 := (2+3)!+8\times\sqrt{8^8} = 8\times\sqrt{8^8}+(3+2)!.$

$33120 := (0!+1)\times 23\times 3!! = 3!!\times(3!^2+10).$

$33264 := 2\times((3+3!!)\times 4!-6!) = (-6!+4!\times(3+3!!))\times 2.$

$33384 := (-3+3!\times(3!!-4!))\times 8 = 8\times((-4!+3!!)\times 3!-3).$

$33485 := 3!!-3+\sqrt{4^{5!/8}} = 8^{5!/4!}-3+3!!.$

$33584 := (3!\times 3!!-\sqrt{4}-5!)\times 8 = 8\times(-5!-\sqrt{4}+3!\times 3!!).$

$33594 := 33\times(4^5-(\sqrt{9})!) = -(\sqrt{9})!+5\times(\sqrt{4^3})!/3!.$

$33597 := -3+\sqrt{3!!\times 5}\times 7!/9 = (-9+7!\times 5!/3!)/3.$

$33598 := (-3!-3!+5\times 8!)/(\sqrt{9})! = (-9+8!\times 5-3)/3!.$

$33831 := -(1+3!!)\times 3\times 3+8! = 8!-3\times 3\times(3!!+1).$

$33834 := -3!!-3!+3!!\times 48 = 8!-(\sqrt{4}+3\times 3!!)\times 3.$

$33840 := -03!!+3!!\times 48 = 8!-\sqrt{4}\times 3!!-(3!+0!)!.$

$33842 := 2-3!!+3!!\times 48 = 8!+\sqrt{4}-3!!\times 3^2.$

$34384 := (3!\times(3!!-4)+\sqrt{4})\times 8 = 8\times(\sqrt{4}+(-4+3!!)\times 3!).$

$34440 := (-0!+3!!\times\sqrt{4}-4)\times 4! = 4!\times(-4+\sqrt{4}\times 3!!-0!).$

$34476 := 3\times 4\times(4\times 6!-7) = (-7+6!\times 4)\times 4\times 3.$

$34531 := (-1+3!!+3!!)\times 4!-5 = -5+4!\times(3!!+3!!-1).$

$34535 := (3!!+3!!)\times 4!-5\times 5 = -5\times 5+4!\times(3!!+3!!).$

$34541 := (-1+3!!\times\sqrt{4})\times 4!+5 = 5+4!\times(\sqrt{4}\times 3!!-1).$

$34543 := (-3!+3!!\times 4!)\times\sqrt{4}-5 = -5+\sqrt{4}\times(4!\times 3!!-3!).$

$34549 := 3!!\times(4!+4!)-5-(\sqrt{9})! = -(\sqrt{9})!-5+(4!+4!)\times 3!!.$

$34624 := 2^{3!}+(4!+4!)\times 6! = 64+4!\times 3!!\times 2.$

$34632 := (2\times 3!!+3)\times 4\times 6 = 6\times 4\times(3+3!!\times 2).$

$34638 := 3!\times(-3+(\sqrt{4}+6!)\times 8) = (8\times(6!+\sqrt{4})-3)\times 3!.$

$34698 := 3!\times((4+6!)\times 8-9) = (-9+8\times(6!+4))\times 3!.$

$34703 := -0!+3!\times(3!!+4!+7!) = (7!+4!+3!!)\times 3!-0!.$

$34768 := -\sqrt{(3!+\sqrt{4})^6}-7!+8! = 8!-7!-\sqrt{64^3}.$

$34776 := (-3\times 4\times 6+7!)\times 7 = 7\times(7!-6\times 4\times 3).$

$34784 := (-3!!+4!+4+7!)\times 8 = 8\times(7!+4+4!-3!!).$

$34832 := 2\times((3!+3!!)\times 4!-8) = (-8+4!\times(3!+3!!))\times 2.$

$34974 := (3!!+4!)\times 47+(\sqrt{9})! = 9\times(-7!/4!+4^{3!}).$

$34993 := ((3\times 3!)^4+\sqrt{9})/\sqrt{9} = ((9+9)^4+3)/3.$

$35147 := (1+3!)\times(-4!+5+7!) = 7\times(5-4!+(3!+1)!).$

$35184 := -(1+3!)!+4!-5!+8! = 8!-5!+4!-(3!+1)!.$

$35247 := 2+(3+4)\times(-5+7!) = (7!-5)\times(4+3)+2.$

$35448 := -(3!!-4!)\times(\sqrt{4}+5)+8! = 8!+(5+\sqrt{4})\times(4!-3!!).$

$35496 := (3!!-4!)\times(5!-69) = (9-\sqrt{6!\times 5})\times(4!-3!!).$

$35856 := -3!\times(5!/5+6!)+8! = 8!-(6!+5!/5)\times 3!.$

$35873 := -3!!\times 3!-5!-7+8! = 8!-7-5!-3!\times 3!!.$

$35933 := 33^3+5-9 = -9+5+33^3.$

$35934 := 33^{\sqrt{4+5}}-\sqrt{9} = -\sqrt{9}+(5!/4+3)^3.$

$35937 := ((9+7-5)\times 3)^3 = 33^{5+7-9}.$

$35943 := 33^{\sqrt{4+5}}+(\sqrt{9})! = (\sqrt{9})!+(5!/4+3)^3.$

$35950 := (-0!+3!!)\times(5+5\times 9) = (9\times 5+5)\times(3!!-0!).$

$35989 := -3!-5+8!-(\sqrt{9})!\times(\sqrt{9})!! = -(\sqrt{9})!!\times(\sqrt{9})!+8!-5-3!.$

$36384 := -3!\times(3!!-\sqrt{4^6})+8! = 8!-(6!-4^3)\times 3!.$

$36432 := 2\times(3^{3!}\times 4!+6!) = -6^4\times 3+(3!+2)!.$

$36438 := -3\times 3!^4+6+8! = 8!-6^4\times 3+3!.$

$36719 := -1+3!!\times(6\times 7+9) = (9+7\times 6)\times 3!!-1.$

$36755 := (3+5)!-5\times(6!-7) = (7-6!)\times 5+(5+3)!.$

$36840 := (-0!+3!)\times(4!-6!)+8! = 8!-(6!-4!)\times(3!-0!).$

$36936 := (3!!-36)\times 6\times 9 = 9\times 6\times(-6\times 3!+3!!).$

$36944 := (3!!+4!^{4!/6})/9 = (\sqrt{9})!!+(\sqrt{64})!-4^{3!}.$

$36975 := (3!!+5)\times(6\times 7+9) = (9+7\times 6)\times(5+3!!).$

$37248 := -(-2+3!)!\times\sqrt{4^7}+8! = 8\times(7!-4!-3!!/2).$

$37584 := -(\sqrt{\sqrt{3^4}})!^5+7!+8! = 87\times(5!+4!)\times 3.$

$37794 := (3!!/\sqrt{4}+7!)\times 7-(\sqrt{9})! = -(\sqrt{9})!+(7!+7!/4)\times 3!.$

$37804 := -0!+(3+\sqrt{4})^7-8! = 8!-7!/\sqrt{4}+3+0!.$

$37928 := (2^3)!-\sqrt{7^8}+9 = 9+8!-7^{3!-2}.$

$37944 := (3!!+4!)\times(4!-7)\times\sqrt{9} = 9\times((7-\sqrt{4})!+4^{3!}).$

$37948 := (-3!!+4)\times(-7\times 8+\sqrt{9}) = (-\sqrt{9}+8\times 7)\times(-4+3!!).$

$37998 := 3!^7-(8!+\sqrt{9})\times(\sqrt{9})! = 9\times(-98+7!-3!!).$

$38133 := -1\times 3\times 3^{3!}+8! = 8!-3^{3+3+1}.$

$38136 := -(1+3)!-3\times 6!+8! = 8!-6!\times 3-(3+1)!.$

$38159 := -1+3!!\times(5+8\times(\sqrt{9})!) = (\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}})!!\times 53-1.$

$38183 := -1+3\times(-3!!+8)+8! = 8!+(8-3!!)\times 3-1.$

$38232 := ((2\times 2)!-3!!)\times 3+8! = 8!+3\times(-3!!+(2+2)!).$

$38234 := 2-3\times(3!!-4!)+8! = 8!+(4!-3!!)\times 3+2.$

$38272 := -2\times 2^{3+7}+8! = 8!-\sqrt{\sqrt{(7-3)^2 2}}.$

$38384 := -3!^{3!}/4!+8+8! = 8!-8^4+3\times 3!!.$

$38515 := (-1-3\times 5!)\times 5+8! = 8!-5\times(5!\times 3+1).$

$38520 := (0!+2)\times(-3!!+5!)+8! = 8!-5\times 3!!/2\times 0!.$

$38527 := 2+3!!+5^7-8! = 8!+7-5\times 3!!/2.$

$38528 := (2+3!!-5!)\times 8\times 8 = 8\times 8\times(-5!+3!!+2).$

$38535 := 3\times(-3!!+5+5!)+8! = 8!-5\times(5!\times 3-3).$

$38584 := -3!!-4^5+8+8! = 8!-8-\sqrt{(5!+4!)^3}.$

$38640 := -(0!+3!)!\times\sqrt{4}/6+8! = (-8+6^4)\times 30.$

$38652 := 2\times(-3!!-5!+6)+8! = 8!+(6-5!-3!!)\times 2.$

$38760 := -(-0!+3!)!\times(6+7)+8! = 8!-7!/6-3!!\times 0!.$

$38766 := (-3!-\sqrt{6^6})\times 7+8! = 8!-7\times(6+6^3).$

$38824 := -2\times(3!!+4!)-8+8! = 8!-8-(4!+3!!)\times 2.$

$38863 := -3!!-3^6-8+8! = 8!-8-6!-3^{3!}.$

$38868 := -(3!+6!)\times\sqrt{8+8}+8! = 8!-\sqrt{8+8}\times(6+3!!).$

$38944 := -3!!+\sqrt{\sqrt{\sqrt{4^{4!}}}}+8!-(\sqrt{9})!! = -(\sqrt{9})!!+8!+\sqrt{\sqrt{\sqrt{4^{4!}}}}-3!!.$

$38961 := (1+3!\times 6!+8)\times 9 = 9\times(8+6\times 3!!+1).$

$39033 := (-0!+3!\times(3+3!!))\times 9 = 9\times(3!\times(3+3!!)-0!).$

$39088 := -03!!+8!-8^{\sqrt{9}} = -(\sqrt{9})!!+8!-8^3\times 0!.$

$39159 := (1+(3!!+5)\times(\sqrt{9})!)\times 9 = 9\times((\sqrt{9})!\times(5+3!!)+1).$

$39276 := (2+3!\times(6!+7))\times 9 = 9\times((7+6!)\times 3!+2).$

$39294 := -2\times(\sqrt{3!^4}-\sqrt{9^9}) = (\sqrt{9})!\times(9^4-3!\times 2).$

$39304 := 0\times 3+34^{\sqrt{9}} = (-9+43)^3\times 0!.$

$39328 := -2+(-3!+3^8)\times(\sqrt{9})! = (\sqrt{9^8}-3!)\times 3!-2.$

$39378 := -3!\times 37+8!-(\sqrt{9})!! = (\sqrt{9^8}+\sqrt{7-3})\times 3!.$

$39393 := (3+3!\times(3!!+9))\times 9 = 9\times(9^3\times 3!+3).$

$39408 := ((0!+3!)!-4!)\times 8-(\sqrt{9})!! = -(\sqrt{9})!!+8\times(-4!+(3!+0!)!).$

$39537 := -3!!+(3+5)!-7\times 9 = -9\times 7+(5+3)!-3!!.$

$39545 := (3!+\sqrt{4})!-55-(\sqrt{9})!! = -(\sqrt{9})!!-55+(\sqrt{4^3})!.$

$39551 := (-1+3!!)\times 55+(\sqrt{9})! = (\sqrt{9})!+55\times(3!!-1).$

$39576 := (3+5)!-6!-(\sqrt{7+9})! = -(\sqrt{9+7})!-6!+(5+3)!.$

$39580 := -(0!+3)\times 5+8!-(\sqrt{9})!! = -(\sqrt{9})!!+8!-5!/3!\times 0!.$

$39585 := -3!!-5!/5+8!+9 = 9+8!-5!/5-3!!.$

$39590 := -0!+(3+5)!-9-(\sqrt{9})!! = -(\sqrt{9})!!-9+(5+3)!-0!.$

$39760 := ((03+6)!-7!)/9 = (9!-7!)/(6+3)+0.$

$39761 := 1+((3+6)!-7!)/9 = (9!-7!)/(6+3)+1.$

$39762 := 2+((3+6)!-7!)/9 = (9!-7!)/(6+3)+2.$

$39769 := 3+6+(-7!+9!)/9 = 9+(9!-7!)/(6+3).$

$39809 := -0!-3!+8!-9!/(\sqrt{9})!! = 9!/9-8^3+0!.$

$39819 := 1\times 3+8!-9!/(\sqrt{9})!! = -9!/(\sqrt{9})!!+8!+3\times 1.$

$39825 := -2\times 3^5+8!-9 = -(\sqrt{9})!!+8!+(5\times 3)^2.$

$39840 := (-0!+3!)!\times\sqrt{4}+8!-(\sqrt{9})!! = -(\sqrt{9})!!+8!+\sqrt{4}\times(3!-0!)!.$

$39843 := -3!\times 3^4+8!+9 = \sqrt{9}+8!-4\times 3!!/3!.$

$39846 := -3!!\times 4/6+8!+(\sqrt{9})! = (\sqrt{9})!+8!-6!\times 4/3!.$

$39852 := 2\times(3!+5!)+8!-(\sqrt{9})!! = -(\sqrt{9})!!+8!+(5!+3!)\times 2.$

$39872 := 2^{3!}\times 7\times 89 = ((\sqrt{9})!!-8)\times 7\times(3!+2).$

$39875 := (3!!+5)\times(\sqrt{\sqrt{7^8}}+(\sqrt{9})!) = ((\sqrt{9})!\times 8+7)\times(5+3!!).$

$39924 := (2^3)!-4\times 99 = -99\times 4+(3!+2)!.$

$39954 := -3\times(\sqrt{4}+5!)+9!/9 = -(\sqrt{9})!-\sqrt{9}\times 5!+(\sqrt{4^3})!.$

$39955 := -3\times 5!-5+9!/9 = 9!/9-5-5!\times 3.$

$39959 := -3\times 5!+(-9+9!)/9 = (9!-9)/9-5!\times 3.$

$39960 := ((-0!+3!)!+6\times(\sqrt{9})!!)\times 9 = 9!/9-6!/(3-0!).$

$39996 := -36\times 9+9!/9 = 9!/9-9\times 6\times 3!.$

$40080 := -(0!+0!)\times(0!+4)!+8! = 8!-(4+0!)!\times(0!+0!).$

$40224 := ((0!+2)!+2)!-4\times 4! = -4!\times 4+(2^{2+0!})!.$

$40249 := 0!+(2\times 4)!-4!\times\sqrt{9} = -\sqrt{9}\times 4!+(4\times 2)!+0!.$

$40259 := -0!+(2\times 4)!-\sqrt{5\times(\sqrt{9})!!} = -\sqrt{(\sqrt{9})!!\times 5}+(4\times 2)!-0!.$

$40279 := 0!+(2\times 4)!-7\times(\sqrt{9})! = -(\sqrt{9})!\times 7+(4\times 2)!+0!.$

$40304 := (0!+0!+3!)!-4\times 4 = -4\times 4+(3!+0!+0!)!.$

$40330 := (0!+0!+3!)!+3!+4 = 4+3!+(3!+0!+0!)!.$

$40331 := \sqrt{0!+(-1+3!)!}+(3!+\sqrt{4})! = (\sqrt{4^3})!+\sqrt{(3!-1)!+0!}.$

$40333 := 0!+3!+3!+(3!+\sqrt{4})! = (4!/3)!+3!+3!+0!.$

$40339 := 0!+3\times 3!+(\sqrt{4^{\sqrt{9}}})! = ((\sqrt{9})!+\sqrt{4})!+3\times 3!+0!.$

$40340 := (0!+0!+3!)!-4+4! = 4!-4+(3!+0!+0!)!.$

$40347 := -0!+(3!+\sqrt{4})!+4\times 7 = 7\times 4+(4!/3)!-0!.$

$40348 := (03+4)\times 4+8! = 8!+4\times(4+3\times 0!).$

$40349 := -0!+3!+4!+(\sqrt{4^{\sqrt{9}}})! = (\sqrt{9})!+4!+(\sqrt{4^3})!-0!.$

$40367 := -0!+(3!+\sqrt{4})\times(6+7!) = (7!+6)\times(4!/3)-0!.$

$40376 := (0!+3!!)\times\sqrt{\sqrt{4^6}}\times 7 = 7\times\sqrt{64}\times(3!!+0!).$

$40377 := 0!+(3!+\sqrt{4})\times(7+7!) = (7+7!)\times 4!/3+0!.$

$40391 := \sqrt{0!+(1+3!)!}+(\sqrt{4^{\sqrt{9}}})! = ((\sqrt{9})!+\sqrt{4})!+\sqrt{(3!+1)!+0!}.$

$40399 := -0!+((\sqrt{\sqrt{3^4}})!!+9!)/9 = (\sqrt{9})!!/9+(\sqrt{4^3})!-0!.$

$40418 := 0!+1+4\times 4!+8! = 8!+4\times 4!+1+0!.$

$40436 := (-0!+3!)!-4+(\sqrt{\sqrt{4^6}})! = (\sqrt{64})!-4+(3!-0!)!.$

$40439 := -0!+(3!+\sqrt{4})!+(-4+9)! = (9-4)!+(4!/3)!-0!.$

$40463 := -0!+3!\times 4!+(\sqrt{\sqrt{4^6}})! = 6\times 4!+(4!/3)!-0!.$

$40559 := -0!+\sqrt{4}\times 5!+(5+\sqrt{9})! = (\sqrt{9}+5)!+5!\times\sqrt{4}-0!.$

$40583 := -0!+3!\times 4!+5!+8! = 8!+5!+4!\times 3!-0!.$

$40687 := -0!+(46+7!)\times 8 = 8!+\sqrt{7^6}+4!\times 0!.$

$40688 := 046\times 8+8! = 8!+8\times(6+40).$

$40768 := \sqrt{04^6} \times 7 + 8! = 8! + 7 \times 64 \times 0!.$

$40804 := (0! + (0! + 4)!) \times 4 + 8! = 8! + 4 \times ((4 + 0!)! + 0!).$

$40824 := (-0! - 2 + 4!) \times 4! + 8! = 8! + 4! + 4! \times 20.$

$40872 := (0! + 2)!! - 4! \times 7 + 8! = 8! - 7 \times 4! + (2 + 0!)!!.$

$40873 := 0! + 3!! - 4! \times 7 + 8! = 8! - 7 \times 4! + 3!! + 0!.$

$40879 := (0! - 4!) \times 7 + 8! + (\sqrt{9})!! = (\sqrt{9})!! + 8! - 7 \times (4! - 0!).$

$40893 := \sqrt{(0! + 3)!^4} + 8! - \sqrt{9} = -\sqrt{9} + 8! + \sqrt{4!^{3+0!}}.$

$40894 := 0! + \sqrt{4!^4} + 8! - \sqrt{9} = -\sqrt{9} + 8! + \sqrt{4!^4} + 0!.$

$40983 := (-0! + 3!!) \times (48 + 9) = (\sqrt{\sqrt{9^8}} - 4!) \times (3!! - 0!).$

$41039 := -0! + (1 + 3 + 4)! + (\sqrt{9})!! = (\sqrt{9})!! + (4 \times (3 - 1))! - 0!.$

$41040 := (0! + 0! + 1)!! + (4 + 4)! = (4 + 4)! + (1 + 0! + 0!)!!.$

$41352 := 12^3 \times 4! - 5! = -5! + 4!^3 \times (2 + 1).$

$41473 := 1 + 3 \times 4!^{-4+7} = (7 - 4) \times 4!^3 + 1.$

$41585 := (-1 + 4!) \times 55 + 8! = 8! + 55 \times (4! - 1).$

$41768 := 1 + \sqrt{4} \times 6! + 7 + 8! = 8 \times (7! + 6!/4 + 1).$

$41832 := (-1 + 2^{3!}) \times 4! + 8! = 8! + 4! \times 3 \times 21.$

$42480 := (0! + 2) \times (4!/4)! + 8! = 8! + (4!/4)! \times (2 + 0!).$

$43184 := (1 \times 3!! - 4) \times 4 + 8! = 8! + 4 \times (-4 + 3!! \times 1).$

$43230 := (0! + 2 \times 3!!) \times (3! + 4!) = (4! + 3!) \times (3!! \times 2 + 0!).$

$43238 := 2 + 3^{3!} \times 4 + 8! = 8! + 4 \times 3^{3!} + 2.$

$43535 := 3!^{3!} + 4 - 5^5 = -5^5 + 4 + 3!^{3!}.$

$43595 := 3!! + ((\sqrt{4} + 5) \times 5)^{\sqrt{9}} = (\sqrt{9})!! + (5 + 5!/4)^3.$

$43631 := -1 + 3 \times (3!! + \sqrt{4!^6}) = (6! + 4!^3) \times 3 - 1.$

$43656 := -3!! \times 4 - 5! + 6^6 = 6^6 - 5! - 4 \times 3!!.$

$43680 := (0! + 3!)! \times 4/6 + 8! = (8 + 6!) \times \sqrt{4} \times 30.$

$43805 := (0! + 3!! - 4!) \times 5 + 8! = 8! - 5 \times (4! - 3!! + 0!).$

$43824 := (2 + 3! \times 4!) \times 4! + 8! = 8! + 4! \times (4! \times 3! + 2).$

$43872 := -2 \times (3!! + 4!) + 7! + 8! = 8! + 7! - (4! + 3!!) \times 2.$

$43919 := -1 + (-3 + 4^{\sqrt{9}}) \times (\sqrt{9})!! = -(\sqrt{9})!! \times (\sqrt{9} - 4^3) - 1.$

$43920 := (0! + (2 + 3)!/\sqrt{4}) \times (\sqrt{9})!! = (\sqrt{9})!! \times (4^3 - 2 - 0!).$

$43928 := (2 + 3!!) \times 4 + 8! + (\sqrt{9})!! = 9!/8 + (4 - 3!!) \times 2.$

$43974 := (3!! - 4! + \sqrt{4}) \times 7 \times 9 = 9 \times 7 \times (\sqrt{4} - 4! + 3!!).$

$44383 := -33 + \sqrt{\sqrt{4^{4!}}} + 8! = 8! + \sqrt{\sqrt{4^{4!}}} - 33.$

$44386 := -3! - 4! + 4^6 + 8! = 8! - 6 - 4! + 4^{3!}.$

$44392 := (2^3)! - 4! + 4^{(\sqrt{9})!} = ((\sqrt{9})!! - 4) \times (4^3 - 2).$

$44418 := 1 \times \sqrt{\sqrt{4^{4!}}} + \sqrt{4} + 8! = 8! + \sqrt{4} + 4^{(4-1)!}.$

$44428 := \sqrt{2^{4!}} + 4!/\sqrt{4} + 8! = 8! + \sqrt{\sqrt{4^{4!}}} + 4!/2.$

$44544 := 4 \times 4 \times 4! \times (-4 + 5!) = (5! - 4) \times 4 \times 4 \times 4!.$

$44634 := -3! + (\sqrt{\sqrt{\sqrt{4^{4!}}}} - \sqrt{4}) \times 6! = 6! \times (\sqrt{\sqrt{\sqrt{4^{4!}}}} - \sqrt{4}) - 3!.$

$44733 := (3 + 3!! \times \sqrt{4}) \times (4! + 7) = (7 + 4!) \times (\sqrt{4} \times 3!! + 3).$

$44798 := -\sqrt{4} + ((\sqrt{4} + 7)! + 8!)/9 = (9! + 8!)/(7 + \sqrt{4}) - \sqrt{4}.$

$44937 := ((3 + 4)! - 47) \times 9 = 9 \times (7! - 4 - 43).$

$44957 := \sqrt{4} + (-45 + 7!) \times 9 = \sqrt{9} + (7!/4! + \sqrt{4})^{\sqrt{4}}.$

$44976 := -\sqrt{\sqrt{\sqrt{4^{4!}}}} \times 6 + 7! \times 9 = 9 \times 7! - 6 \times \sqrt{\sqrt{\sqrt{4^{4!}}}}.$

$45179 := -1 + (-4 \times 5 + 7!) \times 9 = 9 \times (7! - 5 \times 4) - 1.$

$45238 := -2 + (3 + 4)! - 5! + 8! = 8! - 5! + (4 + 3)! - 2.$

$45372 := 2 \times 3! + (4 + 5) \times 7! = 7! \times (5 + 4) + 3! \times 2.$

$45380 := (0! + 3!)! + 4 \times 5 + 8! = 8! + 5 \times 4 + (3! + 0!)!.$

$45385 := (3 + 4)! - 5 \times 5 + 8! = 8! + 5 \times 5 + (4 + 3)!.$

$45399 := ((3 + 4)! + 5) \times 9 - (\sqrt{9})! = -(\sqrt{9})! + 9 \times (5 + (4 + 3)!).$

$45475 := (4 + 4)! + 5! - 5 + 7! = 7! + 5! - 5 + (4 + 4)!.$

$45478 := -\sqrt{\sqrt{4 \times 4}} + 5! + 7! + 8! = 8! + 7! + 5! - \sqrt{\sqrt{4 \times 4}}.$

$45479 := -4/4 + 5! + 7! \times 9 = 9 \times 7! + 5! - 4/4.$

$45480 := (-0! + 44) \times 5! + 8! = 8! + 5! \times (44 - 0!).$

$45675 := (4 + 5) \times (5 + 6!) \times 7 = 7 \times (6! + 5) \times (5 + 4).$

$45696 := -\sqrt{4} \times 5! + 6^6 - (\sqrt{9})!! = -(\sqrt{9})!! + 6^6 - 5! \times \sqrt{4}.$

$45795 := 4 \times 5! + (-5 + 7!) \times 9 = 9 \times (7! - 5) + 5! \times 4.$

$45835 := (3!! - \sqrt{4}) \times 5! - 5 - 8! = -8! - 5 + 5! \times (-\sqrt{4} + 3!!).$

$45840 := ((-0! + 4)!! - \sqrt{4}) \times 5! - 8! = -8! + 5! \times (-\sqrt{4} + (4 - 0!)!!).$

$45864 := 44 \times (5! + 6) + 8! = 8! + (6 + 5!) \times 44.$

$45938 := -3!! + \sqrt{4} + (-5 + 8)!^{(\sqrt{9})!} = (\sqrt{9})!^{(8-5)!} + \sqrt{4} - 3!!.$

$45957 := 4! \times (-5^5 + 7!) - \sqrt{9} = -\sqrt{9} + (7! - 5^5) \times 4!.$

$45987 := ((4 + 5)! + 7!)/8 - \sqrt{9} = \sqrt{9^8} \times 7 + 5!/\sqrt{4}.$

$45999 := ((\sqrt{4} + 5)! - 9) \times 9 + (\sqrt{9})!! = (\sqrt{9})!! + 9 \times (-9 + (5 + \sqrt{4})!).$

$46056 := -(-0! + 4)!! + 5! + 6^6 = 6^6 - 5 \times (4 + 0!)!.$

$46073 := 03!! \times \sqrt{4^6} - 7 = -7 + 64 \times (3 - 0)!!.$

$46074 := 0! + \sqrt{\sqrt{\sqrt{\sqrt{4^{4!}}}}} \times 6! - 7 = -7 + 6! \times \sqrt{\sqrt{\sqrt{\sqrt{4^{4!}}}}} + 0!.$

$46296 := \sqrt{\sqrt{2^{4!}}} \times 6! + 6^{\sqrt{9}} = (\sqrt{9})!^6 - 6!/(4 - 2).$

$46394 := -3! - 4^4 + 6^{(\sqrt{9})!} = (\sqrt{9})!^6 - 4^4 - 3!.$

$46416 := -(1 + 4)! \times \sqrt{4} + 6^6 = 6^6 - \sqrt{4} \times (4 + 1)!.$

$46462 := -2 + \sqrt{\sqrt{\sqrt{\sqrt{4^{4!}}}}} \times (6 + 6!) = (6 + 6!) \times \sqrt{\sqrt{\sqrt{\sqrt{4^{4!}}}}} - 2.$

$46464 := 4 \times 4 \times 4 \times (6! + 6) = (6! + 6) \times 4 \times 4 \times 4.$

$46526 := -(2 + 4!) \times 5 + 6^6 = 6^6 - 5 \times (4! + 2).$

$46539 := \sqrt{\sqrt{3^4}} - 5! + 6^{(\sqrt{9})!} = (\sqrt{9})!^6 - (\sqrt{\sqrt{5^4}})! + 3.$

$46546 := (\sqrt{4} - 4!) \times 5 + 6^6 = 6^6 + 5 \times (\sqrt{4} - 4!).$

$46556 := -4 \times 5 \times 5 + 6^6 = 6^6 - 5 \times 5 \times 4.$

$46608 := (-0! + 4)!^6 - 6 \times 8 = -8 + 6^6 - 40.$

$46630 := 0! - 3 - 4! + 6^6 = 6^6 + 4 - 30.$

$46635 := -3 \times (\sqrt{4} + 5) + 6^6 = 6 \times (6^5 - 4) + 3.$

$46650 := -(0 \times 4)! - 5 + 6^6 = 6^6 - 5 - (4 \times 0)!.$

$46657 := (\sqrt{4 + 5})!^6 - 6 + 7 = 7 - 6 + 6^{(\sqrt{5+4})!}.$

$46675 := 7 + 6^6 + \sqrt{5! + 4!} = \sqrt{4! + 5!} + 6^6 + 7.$

$46689 := 4! + 6^{\sqrt{\sqrt{\sqrt{6^8}}}} + 9 = 9!/8! + 6^6 + 4!.$

$46690 := 0! + 4! + 6^6 + 9 = -(\sqrt{9})! + 6^6 + 40.$

$46719 := (-1 + 4)!^6 + 7 \times 9 = 9 \times 7 + 6^{(4-1)!}.$

$46765 := -4 + 5! + 6^6 - 7 = -7 + 6^6 + 5! - 4.$

$46792 := 2 \times (-4 + 6!) + 7! \times 9 = 9 \times 7! + (6! - 4) \times 2.$

$46800 := (0! + (0! + 4)!) \times 6! - 8! = -8! + 6! \times ((4 + 0!)! + 0!).$

$46926 := (2 + \sqrt{4^6}) \times (6! - 9) = (-9 + 6!) \times (64 + 2).$

$46944 := \sqrt{4!^4/4} + 6^{(\sqrt{9})!} = (\sqrt{9})!^6 + \sqrt{4!^4/4}.$

$46968 := -4! + 66 \times (-8 + (\sqrt{9})!!) = ((\sqrt{9})!! - 8) \times 66 - 4!.$

$47264 := 2 \times (\sqrt{\sqrt{4^{4!}}} - 6!) \times 7 = 7 \times (-6! + \sqrt{\sqrt{4^{4!}}}) \times 2.$

$47369 := (\sqrt{\sqrt{3^4}})!^6 - 7 + (\sqrt{9})!! = (\sqrt{9})!! - 7 + \sqrt{6^{4 \times 3}}.$

$47394 := (3+4!^4)/7-\sqrt{9} = -\sqrt{9^7}\times(\sqrt{4}-4!)-3!!.$

$47519 := -1+(4!\times 5!+7!)\times(\sqrt{9})! = (\sqrt{9})!\times(7!+5!\times 4!)-1.$

$47520 := (0!+2)!\times(4!\times 5!+7!) = (7!+5!\times 4!)\times(2+0!)!.$

$47592 := (2\times(4+5!)+7!)\times 9 = 9\times(7!+(5!+4)\times 2).$

$47952 := (2\times(4!+5!)+7!)\times 9 = (-9+7!/5)\times 4!\times 2.$

$48488 := -4!+4^8/8+8! = 8!+\sqrt{8^8\times 4}-4!.$

$48736 := -3!!+4^6+7!+8! = 8!+7!-6!+4^{3!}.$

$48926 := (-2+4\times 6!)\times(8+9) = (9+8)\times(6!\times 4-2).$

$48984 := 4!+(4+8\times 8)\times(\sqrt{9})!! = (\sqrt{9})!!\times(8\times 8+4)+4!.$

$48996 := 4\times(6!\times(8+9)+9) = (9+(9+8)\times 6!)\times 4.$

$49153 := 1+3\times\sqrt{4^{5+9}} = \sqrt{(\sqrt{9})!!/5}\times 4^{3!}+1.$

$49158 := (1+\sqrt{4^{5+8}})\times(\sqrt{9})! = (\sqrt{9})!\times(8^5/4+1).$

$49173 := (1+3!+4^7)\times\sqrt{9} = \sqrt{9}\times(7+4^{3!+1}).$

$49197 := (-1+4!)\times(-7+(\sqrt{9})!!)\times\sqrt{9} = \sqrt{9}\times((\sqrt{9})!!-7)\times(4!-1).$

$49474 := \sqrt{\sqrt{4^{4!}}}+(\sqrt{4}+7!)\times 9 = 9\times(7!+\sqrt{4})+\sqrt{\sqrt{4^{4!}}}.$

$49533 := 3!^{3!}+4!\times 5!-\sqrt{9} = -\sqrt{9}+5!\times 4!+3!^{3!}.$

$49539 := 3+4!\times 5!+(\sqrt{9})!^{(\sqrt{9})!} = (\sqrt{9})!^{(\sqrt{9})!}+5!\times 4!+3.$

$49676 := -4+6!\times(6+7\times 9) = (9\times 7+6)\times 6!-4.$

$49728 := 2\times(4!+7!)+8!-(\sqrt{9})!! = -(\sqrt{9})!!+8!+(7!+4!)\times 2.$

$49933 := (3+34)^{\sqrt{9}}-(\sqrt{9})!! = -(\sqrt{9})!!+(-(\sqrt{9})!+43)^3.$

$50386 := (-0!+3!!\times 5)\times(6+8) = (8+6)\times(5\times 3!!-0!).$

$50397 := \sqrt{0!+3}\times 5\times 7!-\sqrt{9} = \sqrt{9}\times 7^5-(3+0!)!.$

$50399 := -0!+35\times((\sqrt{9})!!+(\sqrt{9})!!) = 9!/(\sqrt{9})!\times 5/3!-0!.$

$50447 := -0!+\sqrt{4}\times(4!+5\times 7!) = (7!\times 5+4!)\times\sqrt{4}-0!.$

$50694 := -\sqrt{0!+(\sqrt{4}+5)!}\times(6-(\sqrt{9})!!) = (-(\sqrt{9})!+6!)\times\sqrt{(5+\sqrt{4})!+0!}.$

$50759 := -0!+(5\times 5!+7!)\times 9 = 9\times(7!+5\times 5!)-0!.$

$51795 := ((1+5)!-5+7!)\times 9 = 9\times(7!-5+(5+1)!).$

$51796 := 1+(-5+6!+7!)\times 9 = 9\times(7!+6!-5)+1.$

$51839 := -1+3!\times 5!\times 8\times 9 = 9!/(-8+5\times 3)-1.$

$51843 := (1+3!!\times 4!)\times(-5+8) = (8-5)\times(4!\times 3!!+1).$

$51849 := (1+(\sqrt{4+5})!!\times 8)\times 9 = 9\times(8\times(\sqrt{5+4})!!+1).$

$52488 := (2-4+5)^8\times 8 = 8\times(85-4)^2.$

$53248 := 2^{3\times 4}\times(5+8) = (8+5)\times 4^{3\times 2}.$

$53856 := 3!^5+5!\times 6!-8! = -8!+6^5+5!\times 3!!.$

$53994 := -3!+\sqrt{4}\times(5\times(\sqrt{9})!)^{\sqrt{9}} = -(\sqrt{9})!+\sqrt{9\times 5^4}\times 3!!.$

$54480 := -(0!+4)!\times(\sqrt{4}-5!)+8! = 8!+5!\times(-\sqrt{4}+(4+0!)!).$

$54678 := (-4!+5+6!)\times 78 = 8!-7\times 6+\sqrt{5!^4}.$

$54688 := 4\times(5\times 6!-8)+8! = 8\times(8!/6+5!-4).$

$54840 := \sqrt{(0!+4)!^4}+5!+8! = 8!+\sqrt{5!^4}+(4+0!)!.$

$54936 := (-(\sqrt{3^4})!+(5+6)!)/(\sqrt{9})!! = (-9!+(6+5!/4!)!)/3!!.$

$55437 := -3+\sqrt{-4+5+5!}\times 7! = 7!\times\sqrt{5!+5-4}-3.$

$55439 := (-3!!+(\sqrt{-4+5+5!}!))/(\sqrt{9})!! = (-(\sqrt{9})!!+(\sqrt{5!+5-4})!)/3!!.$

$55462 := (2+(\sqrt{4}+5)!)\times(5+6) = (6+5)\times((5+\sqrt{4})!+2).$

$55464 := 4!+(\sqrt{-4+5+5!})!/6! = (6+5)!/(\sqrt{5+4})!!+4!.$

$55808 := (0!+5!)\times(5!+8)+8! = 8!+(8+5!)\times(5!+0!).$

$55939 := (3+5)!+5^{(\sqrt{9})!}-(\sqrt{9})! = -(\sqrt{9})!+(\sqrt{9}+5)!+5^{3!}.$

$55944 := (4!+4\times 5!)\times(5!-9) = (-9+5!)\times(5!\times 4+4!).$

$55945 := (\sqrt{4+5}+5)!+5^{(\sqrt{9})!} = (\sqrt{9}+5)!+5^{(\sqrt{5+4})!}.$

$56250 := (0!+2)\times 5^5\times 6 = 6\times 5^5\times(2+0!).$

$56760 := \sqrt{0!+5!}\times(6!/6+7!) = (7!+6!/6)\times\sqrt{5!+0!}.$

$57344 := (3!+\sqrt{4})\times 4^5\times 7 = (7+5+\sqrt{4})\times 4^{3!}.$

$57592 := (-2+5!\times 5!)\times\sqrt{7+9} = \sqrt{9+7}\times(5!\times 5!-2).$

$57594 := 4\times 5!^{-5+7}-(\sqrt{9})! = -(\sqrt{9})!+((7-5)\times 5!)^{\sqrt{4}}.$

$57600 := (0!+0!)\times 5\times(6!+7!) = (7!+6!)\times 5\times(0!+0!).$

$57696 := (5\times 6!+6)\times(7+9) = (9+7)\times(6+6!\times 5).$

$58315 := (-1+3!!\times 5)\times 5+8! = 8!+5\times(5\times 3!!-1).$

$58335 := (3+3!!\times 5)\times 5+8! = 8!+5\times(5\times 3!!+3).$

$58564 := 4\times\sqrt{\sqrt{(5!-5+6)^8}} = (8-6+5!+5!)^{\sqrt{4}}.$

$59043 := \sqrt{03^{4\times 5}}-(\sqrt{9})! = 9^5+4!-30.$

$59045 := -0!+(4+5)^5-\sqrt{9} = 9^5-5+(4\times 0)!.$

$59048 := -0!+\sqrt{(4+5)^8}\times 9 = (9!/8!)^5-(4\times 0)!.$

$59052 := (0!+2)^{5+5}+\sqrt{9} = 9^5+5-2\times 0!.$

$59053 := 0!+3^{5+5}+\sqrt{9} = 9^5+5!/30.$

$59054 := -0!+(4+5)^5+(\sqrt{9})! = 9^5+5-4\times 0.$

$59055 := (-0!+5+5)^5+(\sqrt{9})! = 9^5+5+(5\times 0)!.$

$59318 := -1+(3\times(5+8))^{\sqrt{9}} = (\sqrt{9}\times(8+5))^3-1.$

$59409 := (-0!+4)\times(5!+\sqrt{9^9}) = (\sqrt{9^9}+5!)\times(4-0!).$

$59544 := 4\times((4+5!)\times 5!+(\sqrt{9})!) = ((\sqrt{9})!+5!\times(5!+4))\times 4.$

$59772 := (2-5!+7!+7!)\times(\sqrt{9})! = (\sqrt{9})!\times(7!+7!-5!+2).$

$59784 := 4!+(5+78)\times(\sqrt{9})!! = (\sqrt{9})!!\times(8+75)+4!.$

$59967 := (5!+(6!+7)\times 9)\times 9 = 9\times(9\times(7+6!)+5!).$

$59976 := (5!+6-7)\times 9!/(\sqrt{9})!! = 9!/(\sqrt{9})!!\times(-7+6+5!).$

$59994 := -4\times 5!-(\sqrt{9})!+9!/(\sqrt{9})! = 9!/(\sqrt{9})!-9\times 54.$

$60467 := -0!+\sqrt{4}\times(-6+6\times 7!) = (7!\times 6-6)\times\sqrt{4}-0!.$

$60476 := -04+(6+6)\times 7! = 7!\times(6+6)-4\times 0!.$

$60477 := 0!-4+6\times(7!+7!) = (7!+7!)\times 6-4+0!.$

$60497 := -0!+\sqrt{4}\times(6\times 7!+9) = (9+7!\times 6)\times\sqrt{4}-0!.$

$61834 := (1-3!!)\times(4-6!/8) = \sqrt{\sqrt{86^4}}\times(3!!-1).$

$62208 := (0!+2)\times\sqrt{(2\times 6)^8} = 8\times 6^{2\times 2+0!}.$

$62744 := 2\times 44\times(6!-7) = (-7+6!)\times 44\times 2.$

$63357 := -3+(3!+5)\times(6!+7!) = (7!+6!)\times(5+3!)-3.$

$63994 := (34+6)^{\sqrt{9}}-(\sqrt{9})! = -(\sqrt{9})!+((\sqrt{9})!!/(-6+4!))^3.$

$64638 := (-3!^4+6!\times 6!)/8 = 8!+6^6/\sqrt{4}+3!!.$

$64798 := -\sqrt{4}+6\times(7+8)\times(\sqrt{9})!! = (\sqrt{9})!!\times(8+7)\times 6-\sqrt{4}.$

$64824 := 2^{4\times 4}-6!+8 = (8-6!)+4^{4\times 2}.$

$64893 := 3!\times 4^6+8!-\sqrt{9} = -\sqrt{9}+8!+6\times 4^{3!}.$

$64983 := (3!!+\sqrt{4})\times 6!/8+\sqrt{9} = (\sqrt{9})!!/8\times(6!+\sqrt{4})+3.$

$65735 := 3!!\times 5!-5^6-7! = -7!+6!\times 5!-5^{3!}.$

$66238 := -2+36\times 6!+8! = (86+6)\times 3!!-2.$

$67228 := (2+26)\times\sqrt{7^8} = 8!+7\times 62^2.$

$67424 := 2\times(\sqrt{\sqrt{4^{4!}}}+6!)\times 7 = 7\times(6!+\sqrt{\sqrt{4^{4!}}})\times 2.$

$68352 := (-(-2+3!)!+5!)\times(6!-8) = (8-6!)\times(-5!+(3!-2)!).$

$68875 := (5+6!)\times(7+88) = (8+87)\times(6!+5).$

$68928 := (-2+6!)\times(8+8)\times(\sqrt{9})! = (\sqrt{9})!\times(8+8)\times(6!-2).$

$69119 := -1+16\times(\sqrt{9})!\times(\sqrt{9})!! = (\sqrt{9})!!\times 96-(-1+1)!.$

$69255 := (-25+5!)\times(6!+9) = (9+6!)\times(5!-5^2).$

$69840 := (0!+\sqrt{4}\times 6\times 8)\times(\sqrt{9})!! = 98\times 6!-(4-0!)!!.$

$69876 := 6\times(6+7!)+8!-(\sqrt{9})!! = -(\sqrt{9})!!+8!+(7!+6)\times 6.$

$69948 := (-4+\sqrt{6^8}\times(\sqrt{9})!)\times 9 = -(\sqrt{9})!+((\sqrt{9})!^8-6!)/4!.$

$69982 := -2+\sqrt{6^8}\times 9\times(\sqrt{9})! = 9\times\sqrt{(\sqrt{9})!^8}\times 6-2.$

$70570 := (0!+0!)\times(5+7\times 7!) = (7\times 7!+5)\times(0!+0!).$

$71279 := -1+2\times 7\times 7!+(\sqrt{9})!! = (\sqrt{9})!!+7!\times 7\times 2-1.$

$73088 := (-0!+3)^{7+8}+8! = 8!+8^{7-3+0!}.$

$73395 := 3\times(-3!!+5\times(7!-\sqrt{9})) = ((-\sqrt{9}+7!)\times 5-3!!)\times 3.$

$74159 := -1+(-4!+5!+7)\times(\sqrt{9})!! = (\sqrt{9})!!\times(7+5!-4!)-1.$

$74303 := -0!-3!^{3!}+4!\times 7! = 7!\times 4!-3!^{3!}-0!.$

$74352 := (2+3!!)\times(-4!+5!)+7! = 7!+(5!-4!)\times(3!!+2).$

$74536 := \sqrt{(3+4!-5)^6}\times 7 = 7\times((6+5)\times\sqrt{4})^3.$

$74758 := 8!+7\times(7!-5!)-\sqrt{4} = -\sqrt{4}-5!\times(7-7!/8).$

$74856 := -4!+5!\times(-6+7!/8) = (8+7)\times 7!-6!-4.$

$74880 := (0!+4)!\times 78\times 8 = 8!+8!/7\times(4-0!)!.$

$74984 := (4\times 4!+7)\times(8+(\sqrt{9})!!) = ((\sqrt{9})!!+8)\times(7+4\times 4!).$

$75453 := 3\times(-4!-5\times(5-7!)) = ((7!-5)\times 5-4!)\times 3.$

$75478 := -\sqrt{4}-5!+7!\times(7+8) = (8+7)\times 7!-5!-\sqrt{4}.$

$75497 := \sqrt{4}+5\times(-7+7!)\times\sqrt{9} = \sqrt{9}\times(-7+7!)\times 5+\sqrt{4}.$

$75523 := -2+3\times 5\times(-5+7!) = (7!-5)\times 5\times 3-2.$

$75549 := 4!+5\times(-5+7!)\times\sqrt{9} = \sqrt{9}\times(7!-5)\times 5+4!.$

$75594 := \sqrt{45\times 5}\times 7!-(\sqrt{9})! = -(\sqrt{9})!+7!\times(-5+5\times 4).$

$75599 := -(-5+5)!+7!\times((\sqrt{9})!+9) = ((\sqrt{9})!+9)\times 7!-(-5+5)!.$

$75678 := 5!+(-6+7!)\times 7+8! = 8!+7\times(7!-6)+5!.$

$75954 := (-\sqrt{4}+5!+5\times 7!)\times\sqrt{9} = \sqrt{9}\times(7!\times 5+5!-\sqrt{4}).$

$75955 := -5+(5!+5\times 7!)\times\sqrt{9} = \sqrt{9}\times(7!\times 5+5!)-5.$

$75984 := 4!+5!\times(7!/8+\sqrt{9}) = ((\sqrt{9})!!-87)\times 5!+4!.$

$76517 := (-1+5!)\times(6!-77) = (77-6!)\times(-5!+1).$

$77159 := -1-5!\times(77-(\sqrt{9})!!) = ((\sqrt{9})!!-77)\times 5!-1.$

$78149 := (1+4)^7+8\times\sqrt{9} = (-\sqrt{9}+8)^7+4!\times 1.$

$78624 := 2\times(-4!\times 6\times 7+8!) = 8!-7\times 6\times 4!\times 2.$

$78954 := \sqrt{4}\times(-5!\times 7+8!-\sqrt{9}) = (-\sqrt{9}+8!-7\times 5!)\times\sqrt{4}.$

$79228 := 2\times(2\times 7+8!-(\sqrt{9})!!) = (-(\sqrt{9})!!+8!+7\times 2)\times 2.$

$79248 := 2\times(4!+7!\times 8-(\sqrt{9})!!) = (-(\sqrt{9})!!+8\times 7!+4!)\times 2.$

$79680 := (-0!+6)!\times(-7\times 8+(\sqrt{9})!!) = ((\sqrt{9})!!-8\times 7)\times(6-0!)!.$

$79885 := -5\times 7+8!+8!-(\sqrt{9})!! = -(\sqrt{9})!!+8!+8!-7\times 5.$

$79899 := -7\times(8!+\sqrt{9})+9!-(\sqrt{9})!! = -(\sqrt{9})!!+9!-(\sqrt{9}+8!)\times 7.$

$79928 := 2\times(7+8!)-(\sqrt{9})!-(\sqrt{9})!! = -(\sqrt{9})!!-(\sqrt{9})!+(8!+7)\times 2.$

$79929 := ((-2+7)!-9)\times(\sqrt{9})!!+9 = 9-(\sqrt{9})!!\times(9-(7-2)!).$

$79934 := -3!!+\sqrt{4}\times(7+9!/9) = (9!/9+7)\times\sqrt{4}-3!!.$

$79938 := \sqrt{-3+7}\times(8!+9)-(\sqrt{9})!! = -(\sqrt{9})!!+(9+8!)\times\sqrt{7-3}.$

$79944 := 4\times(4\times 7!+(\sqrt{9})!)-(\sqrt{9})!! = -(\sqrt{9})!!+((\sqrt{9})!+7!\times 4)\times 4.$

$79983 := -3!!-(7\times(8!-9)-9!) = 9!+(9-8!)\times 7-3!!.$

$80400 := (0!+0!)!\times(-(0!+4)!+8!) = (8!-(4+0!)!)\times(0!+0!).$

$80447 := -0!+(-4!+\sqrt{4}\times 7!)\times 8 = 8\times(7!\times\sqrt{4}-4!)-0!.$

$80570 := (0!+0!)\times(-5\times 7+8!) = (8!-7\times 5)\times(0!+0!).$

$80585 := -055+8!+8! = 8!+8!-55\times 0!.$

$80604 := (0!+0!)!\times(-4!+6+8!) = (8!+6-4!)\times(0!+0!).$

$80616 := (0!+1)!\times(-6-6+8!) = (8!-6-6)\times(1+0!).$

$80619 := (0!+1)!\times(-6+8!)-9 = -9+(8!-6)\times(1+0!).$

$80627 := -0!-2\times(6-7!\times 8) = (8\times 7!-6)\times 2-0!.$

$80651 := -0!+\sqrt{-1+5}\times(6+8!) = (8!+6)\times\sqrt{5-1}-0!.$

$80653 := 0!+(-3+5)\times(6+8!) = (8!+6)\times(5-3)+0!.$

$80658 := (-0!+5)!-6+8!+8! = 8!+8!-6+(5-0!)!.$

$80687 := -0!+(6+7!)\times 8+8! = 8!+8\times(7!+6)-0!.$

$80704 := (0!+0!)\times(4+7!)\times 8 = 8\times(7!+4)\times(0!+0!).$

$80723 := -0!+2\times(3!\times 7+8!) = (8!+7\times 3!)\times 2-0!.$

$80736 := (-0!+3)\times(6+7!)\times 8 = 8\times(7!+6)\times\sqrt{3+0!}.$

$80759 := -0!+5!-7\times 8!+9! = 9!-8!\times 7+5!-0!.$

$80856 := \sqrt{(0!+5)^6}+8!+8! = 8!+8!+\sqrt{6^{5+0!}}.$

$81347 := 1+3!!+\sqrt{4}\times(-7+8!) = (8!-7)\times\sqrt{4}+(3!!+1).$

$81349 := 1+3!!+\sqrt{4}\times(8!-(\sqrt{9})!) = (-(\sqrt{9})!+8!)\times\sqrt{4}+3!!+1.$

$81374 := 1\times 3!!+\sqrt{4}\times(7+8!) = (8!+7)\times\sqrt{4}+3!!\times 1.$

$81966 := (-1+6!)\times(-6+(8-\sqrt{9})!) = ((-\sqrt{9}+8)!-6)\times(6!-1).$

$82067 := 0!+2\times(6!-7+8!) = (8!-7+6!)\times 2+0!.$

$82069 := 0!+2\times(-6+8!+(\sqrt{9})!!) = ((\sqrt{9})!!+8!-6)\times 2+0!.$

$82079 := -0!+2\times(7!\times 8+(\sqrt{9})!!) = ((\sqrt{9})!!+8\times 7!)\times 2-0!.$

$82080 := (0!+0!)\times((-2+8)!+8!) = (8!+(8-2)!)\times(0!+0!).$

$82093 := 0!+2\times(3!+8!+(\sqrt{9})!!) = ((\sqrt{9})!!+8!+3!)\times 2+0!.$

$82099 := 0!+2\times(8!+9+(\sqrt{9})!!) = ((\sqrt{9})!!+9+8!)\times 2+0!.$

$82528 := 2\times((-2+5!)\times 8+8!) = (8!+8\times(5!-2))\times 2.$

$82592 := (2\times 2-5!)\times(8-(\sqrt{9})!!) = ((\sqrt{9})!!-8)\times(5!-2-2).$

$82594 := 2+(4-5!)\times(8-(\sqrt{9})!!) = ((\sqrt{9})!!-8)\times(5!-4)+2.$

$82946 := 2+\sqrt{4!^{\sqrt{\sqrt{6^8}}}}\times(\sqrt{9})! = \sqrt{(\sqrt{9})!^8}\times 64+2.$

$83584 := 3!!\times(-4+5!)+8\times 8 = 8\times 8+(5!-4)\times 3!!.$

$83664 := 3!!+4\times\sqrt{(6+6)^8} = (8\times 6\times 6)^{\sqrt{4}}+3!!.$

$84576 := -4!+5!\times(6!-7-8) = (-8-7+6!)\times 5!-4!.$

$84956 := -4+(5!+6-8)\times(\sqrt{9})!! = -(\sqrt{9})!!\times(8-6-5!)-4.$

$84958 := -\sqrt{4}+(5!-\sqrt{\sqrt{8+8}})\times(\sqrt{9})!! = (\sqrt{9})!!\times(-\sqrt{\sqrt{8+8}}+5!)-\sqrt{4}.$

$85416 := -1\times 4!+5!\times(6!-8) = (-8+6!)\times 5!-4!\times 1.$

$85436 := (-3!+(\sqrt{4}+(5!\times(6!-8)))) = (-8+6!)\times 5!-4!/3!.$

$85439 := 3-4+5!\times(-8+(\sqrt{9})!!) = ((\sqrt{9})!!-8)\times 5!-4+3.$

$85440 := (0!+4)!\times((\sqrt{4+5})!!-8) = (-8+(\sqrt{5+4})!!)\times(4+0!)!.$

$85446 := 4!/4+5!\times(6!-8) = (-8+6!)\times 5!+4!/4.$

$85459 := 4!-5-5!\times(8-(\sqrt{9})!!) = ((\sqrt{9})!!-8)\times 5!-5+4!.$

$85462 := -2+4!+5!\times(6!-8) = (-8+6!)\times 5!+4!-2.$

$85464 := 4!+4!\times 5\times(6!-8) = (-8+6!)\times 5\times 4!+4!.$

$85680 := (-0!+5!)\times(6-8+8)! = (8-8+6)!\times(5!-0!).$

$85681 := (-1+5!)\times 6!+(-8+8)! = (-8+8)!+6!\times(5!-1).$

$85691 := (-1+5!)\times 6!+8+\sqrt{9} = \sqrt{9}+8+6!\times(5!-1).$

$85697 := (-5+6+7!)\times(8+9) = (9+8)\times(7!+6-5).$

$85736 := 3!!\times 5!-6!+7\times 8 = 8\times 7-6!+5!\times 3!!.$

$85904 := (-\sqrt{04}+5!)\times(8+(\sqrt{9})!!) = ((\sqrt{9})!!+8)\times(5!-\sqrt{4}\times 0!).$

$85918 := (-1+5!)\times(\sqrt{\sqrt{8+8}}+(\sqrt{9})!!) = ((\sqrt{9})!!+\sqrt{\sqrt{8+8}})\times(5!-1).$

$85934 := (3!!-4)\times 5!+8+(\sqrt{9})! = (\sqrt{9})!+8+5!\times(-4+3!!).$

$86039 := -0!+(-3+6!)\times(8-\sqrt{9})! = (-\sqrt{9}+8)!\times(6!-3)-0!.$

$86159 := -1+5!\times(6-8+(\sqrt{9})!!) = ((\sqrt{9})!!-8+6)\times 5!-1.$

$86400 := (0!+0!)\times(4\times 6!+8!) = (8!+6!\times 4)\times(0!+0!).$

$86405 := 0!-4+5!\times 6!+8 = 8+6!\times 5!-4+0!.$

$86408 := (0!+4)!\times 6!+\sqrt{8\times 8} = \sqrt{8\times 8}+6!\times(4+0!)!.$

$86409 := (0!+4)!\times(\sqrt{\sqrt{\sqrt{6^8}}})!+9 = 9!/8!+6!\times(4+0!)!.$

$86415 := -1+4!+5!\times 6!-8 = -8+6!\times 5!+4!-1.$

$86435 := 3+4!+5!\times 6!+8 = -8+6!\times 5!+43.$

$86440 := (0!+4)\times(4!\times 6!+8) = (8+6!\times 4!)\times(4+0!).$

$86519 := -1+5!\times(6!-8+9) = (9-8+6!)\times 5!-1.$

$86640 := (0!+4)!\times(6!-6+8) = (8-6+6!)\times(4+0!)!.$

$86856 := -5!+6^6+(\sqrt{8\times 8})! = (\sqrt{8\times 8})!+6^6-5!.$

$86967 := 6^6+7!\times 8-9 = -9+8\times 7!+6^6.$

$86973 := 3!^6+7!\times 8-\sqrt{9} = -\sqrt{9}+8\times 7!+6^{3!}.$

$87357 := -3+5!\times(7!/7+8) = (8+7!/7)\times 5!-3.$

$87699 := (6!-7)\times((8-\sqrt{9})!+\sqrt{9}) = (\sqrt{9}+(-\sqrt{9}+8)!)\times(-7+6!).$

$88560 := \sqrt{0!+5!}\times 6!+8!+8! = 8!+8!+6!\times\sqrt{5!+0!}.$

$88824 := 2\times(-4+8!+\sqrt{8^8}) = -8+(8!+8^4)\times 2.$

$88829 := 2\times(\sqrt{8^8}+8!)-\sqrt{9} = -\sqrt{9}+(\sqrt{8^8}+8!)\times 2.$

$88848 := \sqrt{4}\times(8+8!+\sqrt{8^8}) = (8+8!+\sqrt{8^8})\times\sqrt{4}.$

$89976 := (6\times 7!-8)\times\sqrt{9}-(\sqrt{9})!! = -(\sqrt{9})!!+\sqrt{9}\times(-8+7!\times 6).$

$90647 := -0!+(-4!+6\times 7!)\times\sqrt{9} = \sqrt{9}\times(7!\times 6-4!)-0!.$

$90677 := -0!-6\times(7-7!\times\sqrt{9}) = (\sqrt{9}\times 7!-7)\times 6-0!.$

$90708 := (-(\sqrt{9})!+8!+7!)\times(0!+0!)! = (0!+0!)\times(7!+8!-(\sqrt{9})!).$

$90712 := 0!+(-1+2\times 7!)\times 9 = 9\times(7!\times 2-1)+0!.$

$90713 := -0!+(-1+3\times 7!)\times(\sqrt{9})! = (\sqrt{9})!\times(7!\times 3-1)-0!.$

$90716 := -0!+(-1+6\times 7!)\times\sqrt{9} = \sqrt{9}\times(7!\times 6-1)-0!.$

$90719 := 0-1+7!\times(9+9) = (9+9)\times 7!-1\times 0!.$

$90739 := 0!+(3\times 7!+\sqrt{9})\times(\sqrt{9})! = (\sqrt{9})!\times(\sqrt{9}+7!\times 3)+0!.$

$90743 := -0!+3!\times(4+7!\times\sqrt{9}) = (\sqrt{9}\times 7!+4)\times 3!-0!.$

$90756 := (0!+5)\times(6+7!\times\sqrt{9}) = (\sqrt{9}\times 7!+6)\times(5+0!).$

$90773 := -0!+(3!+7!+7!)\times 9 = 9\times(7!+7!+3!)-0!.$

$90867 := (0!+6\times(7!+8))\times\sqrt{9} = \sqrt{9}\times((8+7!)\times 6+0!).$

$91125 := ((11-2)\times 5)^{\sqrt{9}} = (9\times 5)^{2+1}\times 1.$

$92158 := -1\times 2+(5!+8)\times(\sqrt{9})!! = (\sqrt{9})!!\times(8+5!)-2\times 1.$

$92159 := -1+\sqrt{2^{5+9}}\times(\sqrt{9})!! = (\sqrt{9})!!\times((\sqrt{9})!+5!+2)-1.$

$92160 := (0!+1)\times 2^6\times(\sqrt{9})!! = 96^2\times 10.$

$92880 := (0!+2\times 8\times 8)\times(\sqrt{9})!! = (\sqrt{9})!!\times(8\times 8\times 2+0!).$

$92928 := \sqrt{\sqrt{2^{28}}}\times((\sqrt{9})!+(\sqrt{9})!!) = ((\sqrt{9})!+(\sqrt{9})!!)\times 8^2\times 2.$

$93072 := (-(0!+2)!!+3!^7)/\sqrt{9} = ((\sqrt{9})!^7-3!!)/(2+0!).$

$93073 := 0!+(-3!!+3!^7)/\sqrt{9} = ((\sqrt{9})!^7-3!!)/3+0!.$

$93292 := -2+2\times(3!^{(\sqrt{9})!}-9) = (-9+(\sqrt{9})!^{3!})\times 2!-2.$

$93300 := (0!+0!)\times(3!^{3!}-(\sqrt{9})!) = (-(\sqrt{9})!+3!^{3!})\times(0!+0!)!.$

$93307 := 0!-3!+3!^7/\sqrt{9} = (\sqrt{9})!^7/3-3!+0!.$

$93317 := -1+3!+3!^7/\sqrt{9} = (\sqrt{9})!^7/3+3!-1.$

$93320 := -0!+2\times 3!^{3!}+9 = 9+3!^{3!}\times 2-0!.$

$93330 := (-0!+3)\times(3!^{3!}+9) = (9+3!^{3!})\times(3-0!).$

$93384 := 3!^{3!}\times\sqrt{4}+8\times 9 = 9\times 8+\sqrt{4}\times 3!^{3!}.$

$93392 := 2\times 3!^{3!}+(\sqrt{9})!!/9 = (\sqrt{9})!!/9+3!^{3!}\times 2.$

$93525 := ((2\times 3)!+5)\times(5!+9) = (9+5!)\times(5+(3\times 2)!).$

$93534 := (-3!+3!!)\times(\sqrt{4}+5!+9) = (9+5!+\sqrt{4})\times(3!!-3!).$

$93744 := (3!!+4!)\times\sqrt{4}\times 7\times 9 = 9!\times(7!/4!-4!)/3!!.$

$93756 := (-3!+5^6+7)\times(\sqrt{9})! = (\sqrt{9})!\times(7-6+5^{3!}).$

$93837 := (-3^{3!}+7\times 8!)/\sqrt{9} = (-9+8!\times 7-3!!)/3.$

$93957 := -3+5!\times(7\times 9+(\sqrt{9})!!) = ((\sqrt{9})!!+9\times 7)\times 5!-3.$

$94033 := 0!+3!^{3!}\times\sqrt{4}+(\sqrt{9})!! = (\sqrt{9})!!+\sqrt{4}\times 3!^{3!}+0!.$

$94078 := -\sqrt{04}+7\times 8!/\sqrt{9} = (-(\sqrt{9})!+8!\times 7)/(4-0!).$

$94087 := -0!+(4!+7\times 8!)/\sqrt{9} = (\sqrt{9}+8!)\times 7/(4-0!).$

$94656 := -4!+5!\times(6!+69) = (96+6!)\times(5!-4).$

$94766 := \sqrt{4}\times(6^6+7+(\sqrt{9})!!) = ((\sqrt{9})!!+7+6^6)\times\sqrt{4}.$

$94798 := -\sqrt{4}+7\times 8!/\sqrt{9}+(\sqrt{9})!! = 988\times 4\times 4!.$

$94974 := (\sqrt{4}-4!)\times(-7!+\sqrt{9}+(\sqrt{9})!!) = ((\sqrt{9})!!+\sqrt{9}-7!)\times(\sqrt{4}-4!).$

$95037 := (\sqrt{03!!/5})!/7!-\sqrt{9} = -\sqrt{9}+(7+5)!/(3!+0!)!.$

$95039 := -0!+(3+5!+9)\times(\sqrt{9})!! = (\sqrt{9})!!\times(9+5!+3)-0!.$

$95436 := (3\times 4+5!)\times(6!+\sqrt{9}) = (\sqrt{9}+6!)\times(5!+4\times 3).$

$95565 := (5!-5)\times(5!+6!-9) = (-9+6!+5!)\times(-5+5!).$

$95703 := \sqrt{0!+3\times 5!}\times(7!-\sqrt{9}) = (\sqrt{9}-7!)\times(5-(3+0!)!).$

$95704 := 0!+(4!-5)\times(7!-\sqrt{9}) = (-\sqrt{9}+7!)\times(-5+4!)+0!.$

$95747 := (4!-5)\times 7!-7-(\sqrt{9})! = -(\sqrt{9})!-7+7!\times(-5+4!).$

$95751 := ((-1+5)!-5)\times 7!-9 = -9+7!\times(-5+(5-1)!).$

$95754 := (4!-\sqrt{5\times 5})\times 7!-(\sqrt{9})! = -(\sqrt{9})!+7!\times(-\sqrt{5\times 5}+4!).$

$95785 := 5\times(5-7!)+8!\times\sqrt{9} = \sqrt{9}\times 8!-(7!-5)\times 5.$

$95874 := (4!-5)\times((\sqrt{\sqrt{\sqrt{7^8}}})!+(\sqrt{9})!) = ((\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}})!+7!)\times(-5+4!).$

$95995 := -5+5!^{\sqrt{9}}/(9+9) = ((\sqrt{9})!!+(\sqrt{9})!!/9)\times 5!-5.$

$96384 := -3!\times(4^6+8!)+9! = \sqrt{9}\times 8!-6\times 4^{3!}.$

$96480 := ((0!+4)!+6+8)\times(\sqrt{9})!! = (\sqrt{9})!!\times(8+6+(4+0!)!).$

$97336 := (3+36+7)^{\sqrt{9}} = (-\sqrt{9}+7^{6/3})^3.$

$97784 := (4!-7)\times(7!-8+(\sqrt{9})!!) = (-(\sqrt{9})!!+8-7!)\times(7-4!).$

$97835 := (3!!-5+7!)\times(8+9) = (9+8)\times(7!-5+3!!).$

$98295 := 2^{5!/8}\times\sqrt{9}-9 = -\sqrt{9}+\sqrt{9}\times(8^5-2).$

$98448 := (\sqrt{4\times 4})!\times(\sqrt{8^8}+(\sqrt{9})!) = ((\sqrt{9})!+8^{8-4})\times 4!.$

$98459 := 4+5\times(8+\sqrt{9^9}) = (\sqrt{9^9}+8)\times 5+4.$

$98478 := 4!\times(7+\sqrt{8^8})+(\sqrt{9})! = (\sqrt{9})!+(\sqrt{8^8}+7)\times 4!.$

$98496 := 4!\times(-\sqrt{\sqrt{6^8}}+(\sqrt{9})!!)\times(\sqrt{9})! = ((\sqrt{9})!!-\sqrt{\sqrt{(\sqrt{9})!^8}})\times 6\times 4!.$

$98640 := (0!+\sqrt{4}\times 68)\times(\sqrt{9})!! = (\sqrt{9})!!\times(-8+6\times 4!+0!).$

$99135 := 1\times 3!!+5\times\sqrt{9^9} = \sqrt{9^9}\times 5+3!!\times 1.$

$99360 := (-0!+3)\times 69\times(\sqrt{9})!! = 9!/\sqrt{9}-6!\times 30.$

$79344 := (3!!-4!)\times((-\sqrt{4}+7)!-(\sqrt{9})!) = (-(\sqrt{9})!+(7-\sqrt{4})!)\times(-4!+3!!).$

$79894 := \sqrt{4}\times(-7+8!-(\sqrt{9})!)-(\sqrt{9})!! = -(\sqrt{9})!!+(-(\sqrt{9})!+8!-7)\times\sqrt{4}.$

## 6.1 Selfie Numbers in Increasing Order of Digits

$64 := \sqrt{4^6}$.

$121 := 11^2$.
$127 := -1 + 2^7$.
$719 := -1^7 + (\sqrt{9})!!$.
$736 := 3^6 + 7$.
$864 := 4! \times \sqrt{\sqrt{6^8}}$.

$1288 := \sqrt{(1+2)!^8} - 8$.
$1331 := \sqrt{11^{3+3}}$.
$1534 := -13 \times (\sqrt{4} - 5!)$.
$1679 := -1^6 + 7!/\sqrt{9}$.
$2047 := -0! + 2^{4+7}$.
$2049 := 0! + 2^{\sqrt{4}+9}$.
$2187 := (1+2)^{\sqrt{\sqrt{7^8}}}$.
$2196 := (12 + 6!) \times \sqrt{9}$.
$2378 := -23 + \sqrt{7^8}$.
$2401 := (0! + (1+2)!)^4$.
$2753 := 23 \times 5! - 7$.
$2944 := \sqrt{\sqrt{2^4!}} + 4 \times (\sqrt{9})!!$.
$3453 := -3 + 3!! \times 4!/5$.
$3564 := -\sqrt{3!^4} + 5 \times 6!$.
$3565 := -35 + 5 \times 6!$.
$3585 := 3!! \times 5 - 5!/8$.
$3742 := -2 - 3!^4 + 7!$.
$3891 := (1 + \sqrt{3!^8}) \times \sqrt{9}$.
$3993 := 33^{\sqrt{9}}/9$.
$4090 := \sqrt{(0! + 0!)^4!} - (\sqrt{9})!$.
$4092 := -0! + \sqrt{2^4!} - \sqrt{9}$.
$4096 := 04^{(-6+9)!}$.
$4099 := 04^{(\sqrt{9})!} + \sqrt{9}$.
$4215 := -1 + \sqrt{2^4!} + 5!$.
$4336 := 3!!/3 + 4^6$.
$4536 := 3^4 \times 56$.
$4598 := -\sqrt{4} + 5! + 8!/9$.
$4609 := 0! + \sqrt{4!^6/9}$.
$4896 := 4! \times 68 \times \sqrt{9}$.
$4913 := (13+4)^{\sqrt{9}}$.
$5072 := 02^5 + 7!$.
$5376 := 3! \times 56 + 7!$.
$5782 := (-2 + 5!) \times \sqrt{\sqrt{7^8}}$.
$5792 := 2^5 + 7! + (\sqrt{9})!!$.
$6145 := 1 + 4^5 \times 6$.
$6435 := \sqrt{3^4} \times (-5 + 6!)$.
$6473 := \sqrt{3^4} \times 6! - 7$.
$6655 := 5 \times \sqrt{(5+6)^6}$.
$6859 := (5 + 6 + 8)^{\sqrt{9}}$.

$7911 := 11!/7! - 9$.
$8397 := -3 - 7! + 8!/\sqrt{9}$.
$8974 := \sqrt{4} \times (7 + 8!/9)$.
$8984 := 4! + (8! + 8!)/9$.
$9375 := 3 \times \sqrt{5^{7+\sqrt{9}}}$.
$9599 := (5! \times (\sqrt{9})!! - 9)/9$.
$9865 := 5^6 - 8 \times (\sqrt{9})!!$.

$10076 := (0! + 0!)! \times (-\sqrt{\sqrt{16}} + 7!)$.
$10078 := (0!+0!)! \times (-1+(\sqrt{\sqrt{\sqrt{7^8}}})!)$.
$10362 := (-0! + 12^3) \times 6$.
$10384 := (0! + 1 + 3!^4) \times 8$.
$10648 := \sqrt{(0! + 1 - 4!)^{\sqrt{\sqrt{\sqrt{6^8}}}}}$.
$11264 := 11 \times 2^{4+6}$.
$11349 := (1 + (1+3!)!/4) \times 9$.
$11528 := (1 + 12 \times 5!) \times 8$.
$11880 := (0! + 11)!/(\sqrt{8 \times 8})!$.
$11881 := ((1+11)! + 8!)/8!$.
$11882 := 1 + (12! + 8!)/8!$.
$11943 := (11^3 - 4) \times 9$.
$12166 := -1 + \sqrt{(1 - (-2+6)!)^6}$.
$12951 := (-1 + 12 \times 5!) \times 9$.
$13398 := -(1+3!) \times 3! + 8!/\sqrt{9}$.
$13452 := (-12 + 3!!) \times (4! - 5)$.
$13489 := \sqrt{(1+3!)^4} + 8!/\sqrt{9}$.
$13537 := 1 + 3!! + 3!^5 + 7!$.
$13577 := (-1 + (\sqrt{3!!/5})!/7!)/7$.
$13687 := 1 - 3!! + 6 \times \sqrt{7^8}$.
$13768 := \sqrt{(1+3)!^6} - 7 \times 8$.
$13816 := 1 \times \sqrt{(1+3)!^6} - 8$.
$13825 := 1 + (-2 + 3!)!^{-5+8}$.
$13831 := -1 + (1+3)!^3 + 8$.
$13833 := (1+3)!^3 + \sqrt{\sqrt{3^8}}$.
$13873 := (1+3)!^3 + \sqrt{\sqrt{7^8}}$.
$13896 := \sqrt{(1+3)!^6} + 8 \times 9$.
$13921 := \sqrt{11^{2^3}} - (\sqrt{9})!!$.
$13935 := (1+3)!^3 + 5! - 9$.
$13943 := -1 + 3!!/3! + 4!^{\sqrt{9}}$.
$13953 := (1+3)!^3 + 5! + 9$.
$13959 := (13 \times 5! - 9) \times 9$.
$14256 := (1+2)!^4 \times (5+6)$.
$14359 := -1 + (3!! - \sqrt{4}) \times 5!/(\sqrt{9})!$.
$14365 := -(1+3!)!/4 + 5^6$.
$14379 := \sqrt{(-1+3!)!^4} - 7 \times \sqrt{9}$.
$14384 := \sqrt{(-1+3!)!^4} - \sqrt{\sqrt{4^8}}$.

$14386 := \sqrt{(-1+3!)!^4} - 6 - 8$.
$14389 := \sqrt{(-1+3!)!^4} - 8 - \sqrt{9}$.
$14402 := \sqrt{(-0! + (1+2)!)!^4} + \sqrt{4}$.
$14403 := -0! + \sqrt{(-1+3!)!^4} + 4$.
$14404 := \sqrt{(01+4)!^4} + 4$.
$14406 := (0! + (-1+4)!)^4 \times 6$.
$14411 := 11 + \sqrt{(1+4)!^4}$.
$14464 := \sqrt{(1+4)!^4} + \sqrt{4^6}$.
$14499 := \sqrt{(1+4)!^4} + 99$.
$14516 := 11^4 - \sqrt{5^6}$.
$14521 := (-1+12)^4 - 5!$.
$14641 := (1 + (1+4)!)^{-4+6}$.
$14644 := \sqrt{((1+4)! - \sqrt{4})^4} + 6!$.
$14664 := (1+4)! + \sqrt{4!^6} + 6!$.
$14689 := 1 + 4! \times 68 \times 9$.
$14737 := 1 - 3 \times (\sqrt{4^7} - 7!)$.
$14749 := (-1+44) \times 7^{\sqrt{9}}$.
$14884 := \sqrt{((1+4)! + \sqrt{4})^{\sqrt{8+8}}}$.
$14906 := 0! + (1+4)^6 - (\sqrt{9})!!$.
$14927 := -1 + (-\sqrt{\sqrt{2^{4!}}} + 7!) \times \sqrt{9}$.
$15125 := 11^2 \times (5 + 5!)$.
$15265 := -(1+2) \times 5! + 5^6$.
$15361 := \sqrt{11^{3+5}} + 6!$.
$15432 := 12 \times 3!^4 - 5!$.
$15496 := -(1+4)! + 5^6 - 9$.
$15499 := -(1+4)! + 5^{(\sqrt{9})!} - (\sqrt{9})!$.
$15592 := -1 - 2^5 + 5^{(\sqrt{9})!}$.
$15593 := (1-3)^5 + 5^{(\sqrt{9})!}$.
$15594 := 1 - \sqrt{4^5} + 5^{(\sqrt{9})!}$.
$15612 := -11 - 2 + 5^6$.
$15613 := 1 - 13 + 5^6$.
$15614 := -\sqrt{\sqrt{11^4}} + 5^6$.
$15615 := -(1+1)! \times 5 + 5^6$.
$15617 := -(-1+1)! + 5^6 - 7$.
$15618 := (-1+1)! + 5^6 - 8$.
$15619 := (1 - 1 + 5)^6 - (\sqrt{9})!$.
$15621 := -1 - 1 - 2 + 5^6$.
$15622 := -1 - 2 + \sqrt{25^6}$.
$15623 := -(12/3!)! + 5^6$.
$15628 := 1 + 2 + 5^{\sqrt{\sqrt{\sqrt{6^8}}}}$.
$15629 := 1 + \sqrt{25^6} + \sqrt{9}$.
$15634 := 13 - 4 + 5^6$.
$15640 := 0! + 14 + 5^6$.
$15641 := (1+1)^4 + 5^6$.
$15642 := 1 + 2^4 + 5^6$.
$15643 := -1 \times 3! + 4! + 5^6$.
$15644 := -1 - 4 + 4! + 5^6$.
$15645 := 1 \times 4 \times 5 + 5^6$.

$15648 := -1 + 4! + 5^{\sqrt{\sqrt{6^8}}}$.

$15649 := 1 \times 4! + 5^{(-6+9)!}$.

$15650 := 0! + (-1+5)! + 5^6$.

$15654 := 1 \times 4! + 5 + 5^6$.

$15667 := 1 \times 5^6 + 6 \times 7$.

$15688 := -1 + 5^6 + 8 \times 8$.

$15698 := 1 + 5^6 + 8 \times 9$.

$15745 := (1+4)! + \sqrt{5^{5+7}}$.

$15765 := 15 \times (-5 + 6!) + 7!$.

$15936 := (1+3)! \times (-56 + (\sqrt{9})!!)$.

$15967 := -1 + 5^6 + 7^{\sqrt{9}}$.

$16339 := (-1+3!)^{3!} - 6 + (\sqrt{9})!!$.

$16343 := (-1+3!)^{3!} - \sqrt{4} + 6!$.

$16344 := (1+3!)!/\sqrt{4} + \sqrt{4!^6}$.

$16346 := 1 + (3+\sqrt{4})^6 + 6!$.

$16353 := -1 + 3^{3!} + 5^6$.

$16377 := (1-3+6)^7 - 7$.

$16383 := -1 + (3!/3)^{6+8}$.

$16385 := 1 + (-3+5)^{6+8}$.

$16465 := (1+4)! + 5^6 + 6!$.

$16799 := -1 + 6! \times 7!/(\sqrt{9})!^{\sqrt{9}}$.

$16839 := 13 \times \sqrt{6^8} - 9$.

$16896 := (-16+6!) \times 8 \times \sqrt{9}$.

$16937 := (1+3)! \times 6! - 7^{\sqrt{9}}$.

$17104 := (0! + 1 + 1)!! + 4^7$.

$17159 := -1 + (1+5+7)!/9!$.

$17488 := (-1+4)^7 \times 8 - 8$.

$17856 := (-1+5^6)/7 \times 8$.

$17948 := 1 \times 4 \times (7 + 8!/9)$.

$18025 := (0! + (1+2)!!) \times \sqrt{\sqrt{5^8}}$.

$18479 := -1^4 + 7! + 8!/\sqrt{9}$.

$18726 := (1+2)! \times (6! + \sqrt{7^8})$.

$18864 := 1 \times \sqrt{4!^6} + 8!/8$.

$19279 := 1 - 27 \times ((\sqrt{9})! - (\sqrt{9})!!)$.

$19332 := (-12 + 3 \times 3!!) \times 9$.

$19549 := -14 - 5! + \sqrt{9^9}$.

$19737 := (-1 + 3^7 + 7) \times 9$.

$19965 := \sqrt{\sqrt{(1+5!)^6}} \times ((\sqrt{9})! + 9)$.

$19992 := (-1+29) \times (-(\sqrt{9})! + (\sqrt{9})!!)$.

$20147 := -0! - 12 + 4 \times 7!$.

$20485 := (0! + \sqrt{2^{4!}}) \times \sqrt{\sqrt{\sqrt{5^8}}}$.

$21953 := 1 + (23+5)^{\sqrt{9}}$.

$22264 := 22^2 \times 46$.

$22398 := -2 + (2+3) \times 8!/9$.

$22594 := 22 \times (4^5 + \sqrt{9})$.

$23335 := -2 + 3 \times (3 + 3!^5)$.

$23352 := (2 \times 2)! + 3 \times 3!^5$.

$23472 := 22 \times 3!^4 - 7!$.

$23546 := 23 \times 4^5 - 6$.

$23549 := 23 \times 4^5 - \sqrt{9}$.

$23595 := (-2+35) \times (-5 + (\sqrt{9})!!)$.

$23669 := \sqrt{(23+6)^6} - (\sqrt{9})!!$.

$24195 := (1 + (2 \times 4)!/5) \times \sqrt{9}$.

$24332 := 2 \times 23^3 - \sqrt{4}$.

$24346 := 2 + 34 \times (-4 + 6!)$.

$24365 := -(-2+3!)! + \sqrt{(4!+5)^6}$.

$24390 := 0! + (2+3+4!)^{\sqrt{9}}$.

$24456 := (\sqrt{2^{4!}} - 4 \times 5) \times 6$.

$24568 := 2^{\sqrt{4!+5!}} \times 6 - 8$.

$24576 := \sqrt{2^{4!}} \times (5 - 6 + 7)$.

$24584 := 24 \times 4^5 + 8$.

$24605 := -0! + (\sqrt{2^{4!}} + 5) \times 6$.

$24606 := (-0! + \sqrt{2^{4!}} + 6) \times 6$.

$24612 := (1+2)! \times (\sqrt{2^{4!}} + 6)$.

$24695 := (2 \times 4)! - 5^{(-6+9)!}$.

$24696 := \sqrt{(2 \times 4 + 6)^6} \times 9$.

$25177 := 12 + 5 \times (-7 + 7!)$.

$25188 := -12 + 5 \times 8!/8$.

$25199 := -1 + (2^5 + \sqrt{9}) \times (\sqrt{9})!!$.

$25294 := -2 + (\sqrt{2^{4!}} + 5!) \times (\sqrt{9})!$.

$25668 := (-2 - 5 + 6!) \times \sqrt{\sqrt{6^8}}$.

$25998 := -2 + 5 \times (8!/9 + (\sqrt{9})!!)$.

$26172 := (1+2)!^2 \times (6! + 7)$.

$26208 := (0! + 2)!^2 \times (6! + 8)$.

$26448 := -2 \times 4! - \sqrt{4!^6} + 8!$.

$26487 := -2 - \sqrt{4!^6} - 7 + 8!$.

$26488 := -\sqrt{24^6} - 8 + 8!$.

$26489 := 2 - \sqrt{4!^6} + 8! - 9$.

$26493 := (2^3)! - \sqrt{4!^6} - \sqrt{9}$.

$26638 := -2 + 3!! + 6! \times \sqrt{\sqrt{6^8}}$.

$26891 := -1 + 2 \times (6 + 8!/\sqrt{9})$.

$26924 := -2 \times (2 - \sqrt{4!^6}) - (\sqrt{9})!!$.

$26928 := 2 \times ((-2+6)! + 8!/\sqrt{9})$.

$26994 := (24+6)^{\sqrt{9}} - (\sqrt{9})!$.

$26995 := -2 + (5 \times 6)^{\sqrt{9}} - \sqrt{9}$.

$27409 := 0! + (\sqrt{2^{4!}} + 7!) \times \sqrt{9}$.

$27640 := -0! + 2 \times \sqrt{4!^6} - 7$.

$27641 := 1 \times 2 \times \sqrt{4!^6} - 7$.

$27646 := 2 \times (\sqrt{4!^6} + 6 - 7)$.

$27647 := 2 \times \sqrt{4!^6} - (-7 + 7)!$.

$27649 := 2 \times \sqrt{4!^6} + 7 - (\sqrt{9})!$.

$27655 := 2 \times \sqrt{(5!/5)^6} + 7$.

$27662 := 2 \times (\sqrt{(-2+6)!^6} + 7)$.

$27720 := (0! + 2)!!/2 \times 77$.

$27724 := 2 \times (-2 + 4^7) - 7!$.

$27734 := 2 \times (3 + 4^7) - 7!$.

$27735 := 2^{3 \times 5} + 7 - 7!$.

$27746 := 2 \times (\sqrt{4!^6} + 7 \times 7)$.

$27837 := -2 + 3! \times 7! - \sqrt{7^8}$.

$27936 := (-2^{3!} \times 6 + 7!) \times (\sqrt{9})!$.

$27949 := \sqrt{2^{4!}} \times 7 - \sqrt{9} - (\sqrt{9})!!$.

$28438 := -2 - (3 \times 4)!/8! + 8!$.

$28438 := -2 - (3 \times 4)!/8! + 8!$.

$28560 := -0! + \sqrt{(2+5+6)^8}$.

$28561 := \sqrt{(12 - 5 + 6)^8}$.

$28567 := (-2+5)! + \sqrt{(6+7)^8}$.

$28672 := (2+2)^6 \times \sqrt{\sqrt{\sqrt{7^8}}}$.

$28674 := 2 + 4^6 \times \sqrt{\sqrt{\sqrt{7^8}}}$.

$28764 := 2 \times (-4! + 6 \times \sqrt{7^8})$.

$29472 := (-2 \times \sqrt{\sqrt{2^{4!}}} + 7!) \times (\sqrt{9})!$.

$29688 := (-2 + (-6! + 8!)/8) \times (\sqrt{9})!$.

$29744 := -\sqrt{2^{4!}} + 47 \times (\sqrt{9})!!$.

$29789 := -2 + (7 + 8 \times \sqrt{9})^{\sqrt{9}}$.

$29791 := (1 + 27 + \sqrt{9})^{\sqrt{9}}$.

$29793 := 2 + (37 - (\sqrt{9})!)^{\sqrt{9}}$.

$29794 := (24+7)^{\sqrt{9}} + \sqrt{9}$.

$30365 := (0! + 3!)! \times 3! + \sqrt{5^6}$.

$30576 := 03! \times (56 + 7!)$.

$31756 := 1 + 3 \times (5^6 - 7!)$.

$31941 := 11^3 \times 4! - \sqrt{9}$.

$32254 := -2 + (2^3)! \times 4/5$.

$32256 := 2^{2^3} \times (5! + 6)$.

$32424 := (2 \times 2)! + (3!!/4)^{\sqrt{4}}$.

$32537 := (2^3)! - 3!^5 - 7$.

$32538 := -2 \times 3 - 3!^5 + 8!$.

$32544 := (2^3)! - (4!/4)^5$.

$32648 := -(2+3)! + 4^6 \times 8$.

$32744 := 2 \times (-3 \times 4 + 4^7)$.

$32759 := 2^{3+5+7} - 9$.

$32772 := 2 \times (2 + (-3+7)^7)$.

$32775 := 2^{3+5+7} + 7$.

$32864 := 2 \times 3! + 4^6 \times 8$.

$33235 := 23 \times (3!! + 3!! + 5)$.

$33494 := 3! + 3!! + \sqrt{4^{4!-9}}$.

$33495 := 33 \times (4^5 - 9)$.

$33595 := (-3! + (3+5)!) \times 5/(\sqrt{9})!$.

$33738 := (3! + 3!! \times 3!!)/7 - 8!$.

$34207 := -0! + 2 \times (3!! + 4^7)$.

$34432 := (-2^{3!} + 3!! \times 4!) \times \sqrt{4}$.

$34445 := \sqrt{(3^4 + \sqrt{4})^4} \times 5$.

$34492 := 2 \times (-34 + 4! \times (\sqrt{9})!!)$.

$34713 := (1+3!) \times (-3^4 + 7!)$.

$34727 := (2 - 3^4 + 7!) \times 7$.

$34728 := -23 \times 4! - 7! + 8!$.

$34839 := (3! + 3!!) \times 48 - 9.$

$34844 := -\sqrt{(3 \times 4! + \sqrt{4})^4} + 8!.$

$34875 := -3^4 \times 5 - 7! + 8!.$

$34944 := (-3!! \times 4! + 4!^4)/9.$

$34983 := 3^{3!} \times 48 - 9.$

$35378 := (3!! - 3 + 5) \times \sqrt{\sqrt{7^8}}.$

$35476 := (3!! + 4) \times (56 - 7).$

$35547 := (-3 + \sqrt{(4! + 5!)^5})/7.$

$35748 := -\sqrt{3!^4} \times (5! + 7) + 8!.$

$35982 := 2 \times (3!! \times \sqrt{\sqrt{5^8}} - 9).$

$35999 := (\sqrt{(3!! \times 5)^{\sqrt{9}}} - (\sqrt{9})!)/(\sqrt{9})!.$

$36224 := (2 + 2 \times 3)! - 4^6.$

$36248 := (-2 + 3!)! - 4^6 + 8!.$

$36486 := (3^4 - 6!) \times 6 + 8!.$

$36927 := (2^{3!+6} + 7) \times 9.$

$36960 := (0! + 3!)! \times 66/9.$

$37085 := -03!! + 5^7 - 8!.$

$37445 := ((((3!)!/4)^{\sqrt{4}}) + (5 + 7!)).$

$37485 := -3^4 \times 5 \times 7 + 8!.$

$37544 := (3!! + \sqrt{4}) \times (45 + 7).$

$37582 := -2 - 3!^5 + 7! + 8!.$

$37883 := -3! \times 3! - \sqrt{7^8} + 8!.$

$37899 := 3^7 \times (8 + 9) + (\sqrt{9})!!.$

$37952 := 2^{3!} \times (-5! - 7 + (\sqrt{9})!!).$

$37968 := (3!! - 6 \times 7) \times 8!/(\sqrt{9})!!.$

$37974 := (3!^4 - 7 + 7!) \times (\sqrt{9})!.$

$38123 := -(1 + 2 \times 3!)^3 + 8!.$

$38127 := -(1 + 2)! - 3^7 + 8!.$

$38134 := 1 - 3^{3+4} + 8!.$

$38137 := 1 + 3 - 3^7 + 8!.$

$38304 := -03!! - 3!^4 + 8!.$

$38373 := 3!!/3 - 3^7 + 8!.$

$38424 := (2 + 3 \times 4)^4 + 8.$

$38448 := -3!! - 4! \times 48 + 8!.$

$38688 := -3 \times 68 \times 8 + 8!.$

$38782 := -2 \times (3!! + \sqrt{\sqrt{7^8}}) + 8!.$

$38838 := 3! \times (3^8 - 88).$

$38855 := -3!! - 5! - \sqrt{5^8} + 8!.$

$38862 := -2 \times (3^6 - 8!) - 8!.$

$38895 := -3!! + 5!/8 + 8! - (\sqrt{9})!!.$

$39298 := (-2 + \sqrt{\sqrt{3!^8}})^{\sqrt{9}} - (\sqrt{9})!.$

$39313 := (1 + 33)^3 + 9.$

$39372 := 2 \times (3 + 3^7 \times 9).$

$39435 := (-3 + 3!!) \times (-4 + 59).$

$39472 := (2^3)! - \sqrt{4^7} - (\sqrt{9})!!.$

$39474 := -3! + (4 + 4)! - 7!/(\sqrt{9})!.$

$39475 := (3! + \sqrt{4})! - 5 - 7!/(\sqrt{9})!.$

$39477 := -3 + 47 \times 7!/(\sqrt{9})!.$

$39479 := (3! + \sqrt{4})! - (7! + (\sqrt{9})!)/(\sqrt{9})!.$

$39496 := -3!! - 4! + (-6! + 9!)/9.$

$39568 := -35 - 6! + 8! + \sqrt{9}.$

$39628 := \sqrt{2^{3!} + 6!} + 8! - (\sqrt{9})!!.$

$39679 := (-3^6 - 7! + 9!)/9.$

$39684 := 3^4 - 6! + 8! + \sqrt{9}.$

$39688 := -3!!/6 + 8! - 8^{\sqrt{9}}.$

$39728 := \sqrt{(-2 + 3!)^7} + 8! - (\sqrt{9})!!.$

$39755 := (3 + 5)! - 5 - 7!/9.$

$39759 := (3 + 5)! - (7! + 9)/9.$

$39793 := 33 - (7! - 9!)/9.$

$39794 := 34 + (-7! + 9!)/9.$

$39795 := 35 + (-7! + 9!)/9.$

$39796 := 36 - (7! - 9!)/9.$

$39797 := 37 + (-7! + 9!)/9.$

$39808 := (0 \times 3 + 8)! - 8^{\sqrt{9}}.$

$39928 := ((2 + 3!!) \times 8! - 9!)/(\sqrt{9})!!.$

$39945 := (3! + \sqrt{4})! - 5^{\sqrt{9}} \times \sqrt{9}.$

$39948 := -3!!/\sqrt{4} + 8! - 9 - \sqrt{9}.$

$39974 := (3! + \sqrt{4})! - 7^{\sqrt{9}} - \sqrt{9}.$

$39976 := \sqrt{3!^6} + (-7! + 9!)/9.$

$39994 := (-3!! \times 4 + 9!)/9 - (\sqrt{9})!.$

$39997 := (-3^7 + 9! - (\sqrt{9})!!)/9.$

$40138 := -(0! + 1)! - 3!!/4 + 8!.$

$40185 := -0! - 14 - 5! + 8!.$

$40195 := ((0! + 1) \times 4)! - 5^{\sqrt{9}}.$

$40238 := 0! - 2 - 3^4 + 8!.$

$40265 := 0! + (2 \times 4)! - 56.$

$40268 := -(0! + 2)! - 46 + 8!.$

$40273 := (02^3)! - 47.$

$40274 := 0! + (2 \times 4)! - 47.$

$40352 := (\sqrt{02^{3!}})! + \sqrt{4^5}.$

$40359 := -0! + (3! + \sqrt{4})! + 5!/\sqrt{9}.$

$40482 := (0! + 2)^4 \times \sqrt{4} + 8!.$

$40483 := 0! + 3^4 \times \sqrt{4} + 8!.$

$40755 := ((-0! + 4)!! - 5) \times 57.$

$40786 := -0! + 467 + 8!.$

$40788 := (-0! + 4)! \times 78 + 8!.$

$40854 := \sqrt{(-0! + 4!)^4} + 5 + 8!.$

$40945 := (0! + 4)^4 + (5 + \sqrt{9})!.$

$41345 := 1 + (3! + \sqrt{4})! + 4^5.$

$41424 := (12^4 - 4!) \times \sqrt{4}.$

$41458 := 1 + (4!^4 - 5!)/8.$

$41466 := (-1 + 4) \times \sqrt{4!^6} - 6.$

$41469 := (-1^4 + \sqrt{4!^6}) \times \sqrt{9}.$

$41469 := (-1 + 4) \times \sqrt{4!^6} - \sqrt{9}.$

$41496 := 1 \times 4! + \sqrt{4!^6} \times \sqrt{9}.$

$41528 := ((1 + 2)!! - 4) \times 58.$

$41580 := (\sqrt{0! + (1 + 4)!})!/(5! \times 8).$

$41997 := ((1 + 4!) \times 7! - 9)/\sqrt{9}.$

$42338 := 2 + 3!! + 3!^4 + 8!.$

$42840 := (0! + 2 + 4)!/\sqrt{4} + 8!.$

$42976 := \sqrt{2^{4!}} + (-6! + 7!) \times 9.$

$43179 := (\sqrt{(-1 + 3!)!^4} - 7) \times \sqrt{9}.$

$43185 := (-1 + 3!! \times 4) \times 5!/8.$

$43194 := (\sqrt{(-1 + 3!)!^4} - \sqrt{4}) \times \sqrt{9}.$

$43200 := (-0! + (0! + 2)!)! \times 3!!/\sqrt{4}.$

$43392 := (2^3)! + 3! \times \sqrt{4^9}.$

$43597 := 3!! + \sqrt{4} + (5 \times 7)^{\sqrt{9}}.$

$43676 := (3!! - 4) \times (-6 + 67).$

$43749 := ((-3!! + 4)/4 + 7!) \times 9.$

$43794 := ((-3!! + 4!)/4 + 7!) \times 9.$

$43848 := \sqrt{(3 - 4!)^4} \times 8 + 8!.$

$43904 := \sqrt{0! + 3} \times (4 + 4!)^{\sqrt{9}}.$

$43923 := (2 + 3 \times 3)^4 \times \sqrt{9}.$

$43995 := -3!! \times 4 + 5^{(\sqrt{9})!} \times \sqrt{9}.$

$44176 := 14^4 + 6! + 7!.$

$45268 := -2 + ((4 + 5)! - 6!)/8.$

$45394 := 34 + (\sqrt{4} + 5)! \times 9.$

$45568 := \sqrt{\sqrt{\sqrt{4^{5!/5}}}} \times (6! - 8).$

$45632 := 2^{3!} \times (-\sqrt{4} - 5 + 6!).$

$45720 := (0! + 2)!!/\sqrt{4} \times (5! + 7).$

$45824 := -\sqrt{\sqrt{2^{4!}}} \times (4 - (-5 + 8)!!).$

$45872 := 2^{4+5} + 7! + 8!.$

$46072 := -0! + \sqrt{\sqrt{2^{4!}}} \times 6! - 7.$

$46280 := (0! + \sqrt{\sqrt{2^{4!}}}) \times (6! - 8).$

$46328 := 2^{3!} \times (4 + 6!) - 8.$

$46335 := 3 \times (-3!!/4 + 5^6).$

$46356 := -3!!/4 - 5! + 6^6.$

$46515 := (-1 + 4) \times (-5! + 5^6).$

$46533 := 3!^{3!} + \sqrt{4} - \sqrt{5^6}.$

$46578 := (\sqrt{4 + 5})!^6 - 78.$

$46592 := -2 \times \sqrt{4^5} + 6^{(\sqrt{9})!}.$

$46609 := -0! - 46 + 6^{(\sqrt{9})!}.$

$46620 := -\sqrt{(0! + 2)!^4} + 6^6.$

$46636 := -(3 + \sqrt{4})!/6 + 6^6.$

$46699 := 46 + 6^{(\sqrt{9})!} - \sqrt{9}.$

$46836 := 3!!/4 + 6^{\sqrt{\sqrt{\sqrt{6^8}}}}.$

$46851 := (-1 + 4) \times (5^6 - 8).$

$46881 := (1 - 4 + 6)^8 + 8!.$

$46895 := -4 + (5^6 + 8) \times \sqrt{9}.$

$46945 := -\sqrt{4} + (4! + 5^6) \times \sqrt{9}.$

$46950 := (0! + 4! + 5^6) \times \sqrt{9}.$

$46953 := 3 \times (4! + 5^6 + (\sqrt{9})!).$

$46965 := (4! + 5^6 + 6) \times \sqrt{9}.$

$46992 := \sqrt{\sqrt{2^{4!}}} \times (6! + \sqrt{9}) + (\sqrt{9})!!.$

$47039 := -0! + (3! + \sqrt{4})! \times 7/(\sqrt{9})!.$

$47286 := (2+4)^6 + 7!/8.$

$47436 := (3!! - 4!/\sqrt{4}) \times 67.$

$47598 := -\sqrt{4} + 5 \times (7! + 8!/9).$

$47623 := 2^{3!} \times (4! + 6!) + 7.$

$47664 := -4! \times 4! + 6! \times 67.$

$47744 := -\sqrt{\sqrt{4^{4!}}} + (\sqrt{4} + 7)!/7.$

$47769 := -\sqrt{4} - 67 \times (7 - (\sqrt{9})!!).$

$47824 := 2 \times (-4! - 4^7 + 8!).$

$47872 := 2! \times (-4^7 + 7! \times 8).$

$47963 := (3!! - 4) \times 67 - 9.$

$47966 := (-4 + 6!) \times 67 - (\sqrt{9})!.$

$48464 := \sqrt{4} \times (-4! + 4^6) + 8!.$

$48522 := 2 \times (\sqrt{2^{4!}} + 5) + 8!.$

$48528 := (2 + 4^5) \times 8 + 8!.$

$48664 := -4! + (-4 + 6!) \times 68.$

$48896 := 4^6 + 8! + 8!/9.$

$48936 := -3! \times 4 + 68 \times (\sqrt{9})!!.$

$49137 := (1 - 3! + 4^7) \times \sqrt{9}.$

$49146 := (-1 + \sqrt{4} \times 4^6) \times (\sqrt{9})!.$

$49147 := -1 - 4 + 4^7 \times \sqrt{9}.$

$49149 := (-1 + 4^{\sqrt{49}}) \times \sqrt{9}.$

$49179 := (1 \times 4^7 + 9) \times \sqrt{9}.$

$49266 := ((2+4)! - 6) \times 69.$

$49278 := -2 + (4+7) \times 8!/9.$

$49611 := (-1 + (-1+4)!!) \times 69.$

$49656 := -4! + 5! \times 6 \times 69.$

$49664 := -4 \times 4 + 6! \times 69.$

$49669 := -\sqrt{4} + 6! \times 69 - 9.$

$51847 := -1 + (4+5)!/7 + 8.$

$52822 := 22 \times \sqrt{(2+5)^8}.$

$53448 := (3^{4+4} + 5!) \times 8.$

$53495 := 3!! \times (-4! + 5!) - 5^{(\sqrt{9})!}.$

$53557 := (3!^5 - 5 - 5!) \times 7.$

$53712 := -(1+2)!! + 3!^5 \times 7.$

$53713 := 1 - 3!! + 3!^5 \times 7.$

$53719 := (1 + 3!^5) \times 7 - (\sqrt{9})!!.$

$53725 := (2^{3!} \times 5! - 5) \times 7.$

$53733 := -3!! + (3 + 3!^5) \times 7.$

$53985 := 3 \times (-5 + \sqrt{\sqrt{5^8}} \times (\sqrt{9})!!).$

$54696 := -4! + (5+6)!/6! - (\sqrt{9})!!.$

$54738 := -3! - 4! \times (5! - \sqrt{7^8}).$

$54748 := 4 - 4! \times (5! - \sqrt{7^8}).$

$54864 := 4!^{\sqrt{4+5}} + 6! + 8!.$

$54869 := \sqrt{(4! - 5)^6} \times 8 - \sqrt{9}.$

$54896 := 4! + (5 \times 6 + 8)^{\sqrt{9}}.$

$55097 := (-0! + 5!) \times (5! + 7^{\sqrt{9}}).$

$55294 := -2 + 4 \times (5!/5)^{\sqrt{9}}.$

$55469 := 4! + 5 + (5+6)!/(\sqrt{9})!!.$

$55488 := (-4! + 5! \times 58) \times 8.$

$55936 := (3+5)! + 5^6 - 9.$

$56177 := \sqrt{1 + 5!} \times (67 + 7!).$

$56278 := -2 + 5! + 6! \times 78.$

$56997 := 5! + 6! \times 79 - \sqrt{9}.$

$57196 := (-1 + 5 + 6!) \times 79.$

$57274 := (\sqrt{2^{4!}} - 5) \times (7+7).$

$57369 := (3^{5+6} - 7!)/\sqrt{9}.$

$57498 := -4! \times (5 - \sqrt{7^8}) - (\sqrt{9})!.$

$57599 := ((5+5)!/7 - 9)/9.$

$58344 := 3!! + 4! \times \sqrt{(\sqrt{4} + 5)^8}.$

$58795 := -5 + 5 \times (-7! + 8!)/\sqrt{9}.$

$58799 := (5 \times (-7! + 8!) - \sqrt{9})/\sqrt{9}.$

$58995 := (5 \times 5!/8)^{\sqrt{9}} - 9!.$

$59397 := -3^5 + (-7! + 9!)/(\sqrt{9})!.$

$59644 := 4! + 4 \times (5^6 - (\sqrt{9})!!).$

$59875 := 5 \times 5 \times (\sqrt{7^8} - (\sqrt{9})!).$

$59982 := (\sqrt{(2 \times 5)^8} - \sqrt{9}) \times (\sqrt{9})!.$

$59985 := (-55 + 8!/(\sqrt{9})!) \times 9.$

$59988 := -5!/8 + 8! + \sqrt{9^9}.$

$61440 := (0! + 14) \times 4^6.$

$62495 := -2 + 4 \times 5^6 - \sqrt{9}.$

$62500 := (0! + 0!) \times 2 \times 5^6.$

$62524 := (2 \times 2)! + 4 \times 5^6.$

$62640 := ((0! + 2)^4 + 6) \times 6!.$

$63888 := (3! + \sqrt{\sqrt{\sqrt{6^8}}!}) \times 88.$

$63991 := (-1 + 3!!) \times (6!/9 + 9).$

$64680 := -(0! + 4)! + 6! \times 6!/8.$

$64686 := -4! - (6! - 6! \times 6!)/8.$

$64826 := 2 + 4! + 6! \times 6!/8.$

$64836 := \sqrt{3!^4} + 6! \times 6!/8.$

$64864 := \sqrt{\sqrt{\sqrt{4^{4!}}}} + 6! \times 6!/8.$

$64866 := -4! + (6! + 6! \times 6!)/8.$

$64986 := (\sqrt{4} + 6!) \times 6!/8 + (\sqrt{9})!.$

$65422 := 2^{2^4} - 5! + 6.$

$65528 := 2^{5+5+6} - 8.$

$65998 := (5 \times (-6! + 8!) - (\sqrt{9})!)/\sqrt{9}.$

$66234 := 23 \times 4 \times 6! - 6.$

$66244 := 2 \times (\sqrt{4} + 46 \times 6!).$

$67534 := -3! + 4 \times 5^6 + 7!.$

$67564 := 4 \times (5^6 + 6) + 7!.$

$68305 := (-0! + 3!!) \times (5 + 6!/8).$

$68881 := \sqrt{(-1 + 6 + 8)^8} + 8!.$

$68945 := 4! + (5 + \sqrt{\sqrt{6^8}})^{\sqrt{9}}.$

$69552 := (2+5)!/5 \times 69.$

$71199 := (11!/7! - 9) \times 9.$

$72448 := 2 \times (-4^{-4+7}! + 8!).$

$73079 := (-0! + 3!)^7 - 7! - (\sqrt{9})!.$

$73085 := -(0! + 3!)! + 5^{\sqrt{\sqrt{\sqrt{7^8}}}}.$

$73236 := (-2 + 3!!) \times (-3! + 6!)/7.$

$73433 := 3!! \times 3 \times 34 - 7.$

$73434 := -3! + (-3! + 4!)!/(\sqrt{4} \times 7)!.$

$73437 := -3 + (-3! + 4!)!/(7+7)!.$

$73965 := -3 - 5! + (6 \times 7)^{\sqrt{9}}.$

$74057 := (-0! + (\sqrt{4} \times 5)!/7)/7.$

$74144 := 14 \times (4^4 + 7!).$

$74160 := (0! + (-1+4)!!) \times 6!/7.$

$74348 := (3!! + 4) \times 47 + 8!.$

$74525 := -(2+4)! \times 5 + 5^7.$

$74535 := (-3!! + \sqrt{4}) \times 5 + 5^7.$

$74876 := -4 - 6! + 7! \times (7+8).$

$75243 := -2 - 3!! \times 4 + 5^7.$

$75245 := -24 \times 5! + 5^7.$

$75438 := (-3!^4 + 5! \times 7!)/8.$

$75456 := 4 \times (\sqrt{(5!/5)^6} + 7!).$

$75486 := -4! + 5! \times (-6 + 7!)/8.$

$75519 := 15 \times (-5 + 7!) - (\sqrt{9})!.$

$75585 := 5! \times (-5/5 + 7!)/8.$

$75589 := -5 + 5! \times 7!/8 - (\sqrt{9})!.$

$75598 := -5 + 5! \times 7!/8 + \sqrt{9}.$

$75601 := 0! + 15 \times 6! \times 7.$

$75615 := 15 \times (-5 + 6 + 7!).$

$75685 := -5 + 5! \times (6 + 7!)/8.$

$75748 := 4! + 5^7 - \sqrt{7^8}.$

$75828 := 2 \times (-5 - \sqrt{7^8} + 8!).$

$75838 := (3-5) \times (\sqrt{7^8} - 8!).$

$75848 := \sqrt{4} \times (5 - \sqrt{7^8} + 8!).$

$75884 := (\sqrt{4} + 5!) \times (7!/8 - 8).$

$75989 := 5^7 + (8 - (\sqrt{9})!!) \times \sqrt{9}.$

$76335 := 3 \times 35 \times (6! + 7).$

$77329 := -(2^3)! + (7 \times 7)^{\sqrt{9}}.$

$77395 := -3!! + 5^7 - 7 - \sqrt{9}.$

$77405 := -(-0! + 4)!! + 5^{\sqrt{7 \times 7}}.$

$77896 := -6^7 - 7! - 8 + 9!.$

$77903 := -0! - 3!^7 - 7! + 9!.$

$77904 := -(-0! + 4)!^7 - 7! + 9!.$

$77957 := 5^7 - 7 \times (\sqrt{7+9})!.$

$78047 := (0! + 4)^7 - 78.$

$78069 := (-0! + 6)^7 - 8!/(\sqrt{9})!!.$

$78075 := -0! + 5^7 - \sqrt{\sqrt{7^8}}.$

$78076 := (-0! + 6)^7 - \sqrt{\sqrt{7^8}}.$

$78115 := -(1+1)! + 5^7 - 8.$

$78116 := -1 + (-1+6)^7 + 8.$

$78117 := (-1 - 1 + 7)^7 - 8.$

$78125 := 1 \times \sqrt{25^{\sqrt{\sqrt{\sqrt{7^8}}}}}.$

$78132 := -1 + (2+3)^7 + 8.$
$78133 := (-1+3+3)^7 + 8.$
$78134 := 1 + (3+\sqrt{4})^7 + 8.$
$78135 := -1 + 3 + 5^7 + 8.$
$78139 := (-1+3!)^7 + 8 + (\sqrt{9})!.$
$78174 := (1+4)^7 + \sqrt{\sqrt{7^8}}.$
$78175 := 1 + 5^7 + \sqrt{\sqrt{7^8}}.$
$78253 := (2+3)! + 5^7 + 8.$
$78255 := 2 + 5! + 5^7 + 8.$
$78755 := \sqrt{(5\times 5)^7} + 7!/8.$
$78853 := 3!! + 5^7 + \sqrt{8\times 8}.$
$78944 := \sqrt{4} \times (-\sqrt{4^7} + 8! - (\sqrt{9})!!).$
$79056 := (\sqrt{(-0!+5)!^6} - 7!) \times 9.$
$79186 := \sqrt{\sqrt{16}} \times (-7 + 8! - (\sqrt{9})!!).$
$79507 := (05! - 77)^{\sqrt{9}}.$
$79508 := 0! + (5\times 7+8)^{\sqrt{9}}.$
$79555 := -5 + 5! \times (-57 + (\sqrt{9})!!).$
$79864 := (-4! + 6^7 - 8!)/\sqrt{9}.$
$79866 := -6 + (6^7 - 8!)/\sqrt{9}.$
$79869 := (6^7 - 8! - 9)/\sqrt{9}.$
$79872 := 2^7 \times (7!/8 - (\sqrt{9})!).$
$79883 := -37 + 8! + 8! - (\sqrt{9})!!.$
$80128 := (0!+1)! \times (-2^8 + 8!).$
$80352 := 02 \times (-3!!/5 + 8!).$
$80527 := 0! + 2 \times (-57 + 8!).$
$80568 := \sqrt{-0!+5} \times (-\sqrt{\sqrt{6^8}} + 8!).$
$80599 := -0! + (-5! + 8! \times (\sqrt{9})!)/\sqrt{9}.$
$80689 := 0! + 6 \times (8 + 8!/\sqrt{9}).$
$80696 := (0! + 6! + 6!) \times 8!/(\sqrt{9})!!.$
$80734 := (-0!+3) \times (47+8!).$
$80738 := \sqrt{0!+3} \times (\sqrt{\sqrt{7^8}} + 8!).$
$80754 := \sqrt{04} \times (57 + 8!).$
$81368 := -1 + 3^6 + 8! + 8!.$
$82368 := \sqrt{(2\times 3!)^6} + 8! + 8!.$
$83159 := -1 + (\sqrt{3!!/5})!/(8 \times (\sqrt{9})!!).$
$83160 := (-0!+13)!/(6! \times 8).$
$83228 := 2 \times (-2 + \sqrt{3!^8} + 8!).$
$83238 := 2 \times (3 + \sqrt{3!^8} + 8!).$
$83248 := 2 \times (3!^4 + 8 + 8!).$
$83532 := 2 \times (3! + 3!! \times 58).$
$83545 := 3!! \times (-4+5!) + \sqrt{\sqrt{5^8}}.$
$83595 := 3 \times (5! + 5^8 - 9!).$
$83655 := (-3+5!) \times (-5 + (\sqrt{\sqrt{\sqrt{6^8}}})!).$
$84680 := (0!+4)^6 \times 8 - 8!.$
$84936 := 3! \times (-4 + 6! + 8!/\sqrt{9}).$
$85536 := 3!^5 \times \sqrt{\sqrt{\sqrt{(5+6)^8}}}.$
$85673 := -3!! + 5! \times 6! - \sqrt{\sqrt{\sqrt{7^8}}}.$
$85746 := -4! + 5! \times 6! - 7!/8.$
$85765 := -5 + 5! \times 6! - 7!/8.$
$85896 := 5! \times 6! + 8 - 8^{\sqrt{9}}.$
$86332 := (2+3)! \times 3!! - 68.$
$86335 := (3 + 3!! \times 5!) - 68.$
$86357 := 3! + 5! \times 6! - \sqrt{\sqrt{7^8}}.$
$86364 := (3+\sqrt{4})! \times 6! - \sqrt{\sqrt{6^8}}.$
$86436 := (3+\sqrt{4})! \times 6! + \sqrt{\sqrt{6^8}}.$
$86515 := (1+5!) \times (-5 + (\sqrt{\sqrt{\sqrt{6^8}}})!).$
$86556 := 5! + 5! \times 6! + \sqrt{\sqrt{6^8}}.$
$87399 := (3!+7) \times (8!/(\sqrt{9})! + \sqrt{9}).$
$87894 := (\sqrt{(4+7)^8} + 8) \times (\sqrt{9})!.$
$87976 := -6^7 + 7! - 8 + 9!.$
$89594 := 4 \times 5 \times 8!/9 - (\sqrt{9})!.$
$89595 := -5 + (5! \times 8!/9)/(\sqrt{9})!.$
$89599 := (5! \times 8!/9 - (\sqrt{9})!)/(\sqrt{9})!.$
$89664 := \sqrt{4!^6} \times 6 + 8!/(\sqrt{9})!.$
$89946 := (\sqrt{(4+6)^8} - (\sqrt{9})!) \times 9.$
$89955 := 5 \times (\sqrt{\sqrt{5^8}} \times (\sqrt{9})!! - 9).$
$89973 := (\sqrt{(3+7)^8} - \sqrt{9}) \times 9.$
$90125 := (0! + (1+2)!!) \times 5^{\sqrt{9}}.$
$90297 := (-0! + 2^7) \times (-9 + (\sqrt{9})!!).$
$92171 := 11 + 2^7 \times (\sqrt{9})!!.$
$92172 := 12 + 2^7 \times (\sqrt{9})!!.$
$93253 := 2 \times 3!^{3!} - 59.$
$93352 := 2 \times 3!^{3!} + 5!/\sqrt{9}.$
$93654 := (\sqrt{3^4} + 5!) \times (6 + (\sqrt{9})!!).$
$93750 := \sqrt{(-0!+3!)^{5+7}} \times (\sqrt{9})!.$
$93888 := (\sqrt{3!^8} + 8) \times 8 \times 9.$
$93894 := 3! \times (4! + (8 - \sqrt{9})^{(\sqrt{9})!}).$
$93954 := (34 + 5^{(\sqrt{9})!}) \times (\sqrt{9})!.$
$93984 := (-3!! + \sqrt{\sqrt{4} \times 8^9}) \times (\sqrt{9})!.$
$94080 := (0! + (-0!+4)!) \times 8!/\sqrt{9}.$
$94081 := 0! + 14 \times 8!/(\sqrt{9})!.$
$94178 := 14 \times (7 + 8!/(\sqrt{9})!).$
$95047 := 0! + (\sqrt{4! + 5!})!/7! + (\sqrt{9})!.$
$95265 := (-(2+5)! + 5^6) \times 9.$
$95267 := 2 + (5^6 - 7!) \times 9.$
$95361 := (13 + 5!) \times (6! - \sqrt{9}).$
$95985 := (5! + 5!/8) \times ((\sqrt{9})!! - 9).$
$95999 := (5!^{\sqrt{9}}/\sqrt{9} - (\sqrt{9})!)/(\sqrt{9})!.$
$96047 := -0! + \sqrt{4!^6} \times 7 - (\sqrt{9})!!.$
$96336 := 3!^{3!} + 6! \times 69.$
$96472 := 2 \times (-4 + 67 \times (\sqrt{9})!!).$
$96672 := 2 \times (6^6 + 7!/\sqrt{9}).$
$96744 := -4! + \sqrt{4!^6} \times 7!/(\sqrt{9})!!.$
$96747 := \sqrt{4!^6} \times 7 - 7 \times \sqrt{9}.$
$96762 := \sqrt{(-2+6)!^6} \times 7 - (\sqrt{9})!.$
$96774 := \sqrt{4!^6} \times \sqrt{7\times 7} + (\sqrt{9})!.$
$97339 := 3 + (37+9)^{\sqrt{9}}.$
$97440 := ((0!+4)! - 4) \times 7!/(\sqrt{9})!.$
$97464 := 4! \times 4^6 - 7!/(\sqrt{9})!.$
$97755 := 5 \times 57 \times 7^{\sqrt{9}}.$
$97917 := 17 \times (7! + (\sqrt{9})!!) - \sqrt{9}.$
$97920 := (-0! + 2^7 + 9) \times (\sqrt{9})!!.$
$97971 := 17 \times (7! + \sqrt{9} + (\sqrt{9})!!).$
$98292 := (-2 + \sqrt{2\times 8^9}) \times (\sqrt{9})!.$
$98298 := (-2 + 8^{8-\sqrt{9}}) \times \sqrt{9}.$
$98424 := \sqrt{2^{4!}} \times 4! + (8 - \sqrt{9})!.$
$98472 := (\sqrt{2^{4!}} + 7) \times 8 \times \sqrt{9}.$
$98494 := (4! - \sqrt{4}) \times (8!/9 - \sqrt{9}).$
$98634 := 3^4 \times 6! + 8! - (\sqrt{9})!.$
$98643 := 3^4 \times 6! + 8! + \sqrt{9}.$
$99363 := (3!! + 3!!) \times 69 + \sqrt{9}.$
$99366 := (3!! + 6!) \times 69 + (\sqrt{9})!.$
$99384 := ((((3!)! + ((-4)^8)) \times 9)/(\sqrt{9})!).$
$99496 := 46^{\sqrt{9}} + \sqrt{9} \times (\sqrt{9})!!.$
$99744 := \sqrt{4} \times (4^7 \times \sqrt{9} + (\sqrt{9})!!).$

## 6.2 Selfie Numbers in Decreasing Orders of Digits

$25 := 5^2.$

$125 := 5^{2+1}.$
$126 := 6 \times 21.$
$289 := (9+8)^2.$
$324 := (4! - 3!)^2.$
$337 := 7^3 - 3!.$
$343 := (4+3)^3.$
$360 := 6!/(3-0!).$
$384 := \sqrt{8^4} \times 3!.$
$464 := 6! - 4^4.$
$660 := 6! - 60.$
$688 := 8 \times 86.$

$1022 := -2 + 2^{[}10].$
$1024 := (4-2)^{[}10].$
$1260 := 6 \times 210.$
$1294 := (\sqrt{9})!^4 - 2 \times 1.$

$1298 := \sqrt{(\sqrt{9})!^8} + 2 \times 1.$
$1345 := 5^4 + 3!! \times 1.$
$1359 := 9 \times (5! + 31).$
$1395 := 9 \times 5 \times 31.$
$1430 := \sqrt{4} \times 3!! - 10.$
$1477 := 7 \times (7!/4! + 1).$
$1593 := \sqrt{9} \times 531.$
$1673 := 7 \times (6!/3 - 1).$
$1680 := 8!/(-6 + 10)!.$
$1764 := \sqrt{(7 \times 6)^4} \times 1.$
$1827 := 87 \times 21.$
$1944 := \sqrt{9^4} \times 4! \times 1.$
$1945 := (\sqrt{9})!^5/4 + 1.$
$2048 := 8^4/2 + 0.$
$2139 := \sqrt{9} \times 3!! - 21.$
$2304 := 4!^3/(2 + 0!)!.$
$2407 := 7^4 + (2 + 0!)!.$
$2437 := 7^4 + 3!^2.$
$2496 := 96 \times (4! + 2).$
$2515 := -5 + 5! \times 21.$
$2547 := (7! + 54)/2.$
$2736 := -7! + 6^{3+2}.$
$2744 := \sqrt{(7 \times \sqrt{4})^{4+2}}.$
$2876 := (-8 + 7! + 6!)/2.$
$2916 := (9 \times 6)^2 \times 1.$
$3369 := (9 + 6)^3 - 3!.$
$3372 := (7!/3 + 3!) \times 2.$
$3375 := \sqrt{(75 \times 3)^3}.$
$3378 := (8 + 7)^3 + 3.$
$3384 := 8 + 4^3! - 3!!.$
$3529 := (\sqrt{9})!! + 53^2.$
$3540 := (5! - \sqrt{4}) \times 30.$
$3774 := 7! - 7!/4 - 3!.$
$3864 := (-8 + 6^4) \times 3.$
$3894 := (\sqrt{(\sqrt{9})!^8} + \sqrt{4}) \times 3.$
$4088 := -8 + 8^4 \times 0!.$
$4089 := -(\sqrt{9})! + 8^4 - 0!.$
$4098 := \sqrt{9} + 8^4 - 0!.$
$4375 := ((7! \times ((-5)^4))/(3!)!).$
$4478 := ((8!/(7 + \sqrt{4})) - \sqrt{4}).$
$4480 := (8!/((4 - (-4)) + 0!)).$
$4489 := \sqrt{(\sqrt{9} + \sqrt{8^4})^4}.$
$4560 := (((-6) + 5!) \times (40)).$
$4624 := (((64) - (-4))^2).$
$4760 := (7 \times (6! - (40))).$
$4973 := -\sqrt{9} + 7! - 4^3.$
$4977 := -9 \times 7 + (\sqrt{\sqrt{7^4}})!.$

$5120 := 5 \times 2^{[}10].$
$5170 := 7! + 5! + 10.$
$5748 := 8!/7 - \sqrt{5! + 4!}.$
$5785 := 8!/7 + 5 \times 5.$
$5994 := 9 \times ((\sqrt{9})!! - 54).$
$6048 := 8! \times 6/40.$
$6144 := 6 \times 4^{4+1}.$
$6291 := 9 \times (6! - 21).$
$6478 := 8!/7 + 6! - \sqrt{4}.$
$6492 := 9 \times 6! + 4!/2.$
$6552 := (6 + 5!) \times 52.$
$6684 := 8!/6 - \sqrt{6^4}.$
$6768 := 8 \times (7!/6 + 6).$
$6840 := 8!/6 + (4 + 0!)!.$
$6864 := 8!/6 + 6 \times 4!.$
$6880 := 8 \times 860.$
$7057 := 7 \times 7!/5 + 0!.$
$7130 := (-7 + 3!!) \times 10.$
$7560 := 7! \times 6/(5 - 0!).$
$8059 := -(\sqrt{9})! + 8!/5 + 0!.$
$8064 := 8!/(6 - 4^0).$
$8644 := (8 + 6! \times 4!)/\sqrt{4}.$
$9025 := 95^2 \times 0!.$
$9216 := 96^2 \times 1.$
$9648 := -(\sqrt{9})!! + 8 \times 6^4.$
$9826 := \sqrt{(9 + 8)^6} \times 2.$
$9894 := -(\sqrt{9})! - ((\sqrt{9})!! - 8!)/4.$

$10000 := 100^{0!+0!}.$
$10344 := 4! \times 431 \times 0!.$
$10369 := 9!/(6 \times 3! - 1) + 0!.$
$10935 := 9 \times 5 \times \sqrt{3^{10}}.$
$11025 := (-5 \times 21)^{1+0!}.$
$11329 := 9!/32 - 11.$
$11339 := 9!/(33 - 1) - 1.$
$11495 := 95 \times (4 + 1)! + 1.$
$11663 := 6^6/(3 + 1) - 1.$
$11665 := 6^6/(5 - 1) + 1.$
$11767 := -7! + 7^{-6+11}.$
$11859 := 98 \times (5! + 1) + 1.$
$12095 := 9!/(5 \times (2 + 1)!) - 0!.$
$12096 := 9!/(6/2 \times 10).$
$12143 := (4 \times 3!)!/(21)! - 1.$
$12144 := 4!!/(42/(1 + 1))!.$
$12149 := (\sqrt{9})! + 4!!/21! - 1.$
$12543 := (5! - 4!/3)^2 - 1.$
$12544 := (5! - 4 - 4)^2 \times 1.$
$12597 := (-\sqrt{9} + 7! \times 5/2) \times 1.$
$12600 := 6 \times 2100.$

$12759 := -9 + (-7 + 5!)^2 - 1.$
$12768 := 8 \times 76 \times 21.$
$12775 := 7 + (-7 + 5!)^2 - 1.$
$12939 := (9 + 9) \times 3!! - 21.$
$12940 := ((\sqrt{9})!^4 - 2) \times 10.$
$12964 := (9 \times 6! + \sqrt{4}) \times 2 \times 1.$
$12980 := (\sqrt{(\sqrt{9})!^8} + 2) \times 10.$
$12995 := ((\sqrt{\sqrt{9 \times 9}})! - 5!)^2 - 1.$
$13094 := -(\sqrt{9})!! + 4!^3 - 10.$
$13104 := 4!^3 - (1 + 1 + 0!)!!.$
$13224 := (-4! + 3!!) \times (-2 + 21).$
$13225 := (-5 + (3 + 2)!)^2 \times 1.$
$13248 := (8! - 4!^3)/2 \times 1.$
$13368 := (8! - 6^3)/3 \times 1.$
$13380 := 8!/3 - 3! \times 10.$
$13430 := (4!/3)!/3 - 10.$
$13433 := (4!/3)!/3 - 3! - 1.$
$13434 := (4 + 4)!/3 - 3! \times 1.$
$13435 := -5 + (4!/3)!/3 \times 1.$
$13436 := (\sqrt{64})!/3 - 3 - 1.$
$13438 := (8! - 4!)/3 + 3! \times 1.$
$13450 := (5^4 + 3!!) \times 10.$
$13454 := \sqrt{(5! - 4)^4} - 3 + 1.$
$13456 := (-6 + 5! + \sqrt{4})^{3-1}.$
$13458 := (8! + 54)/3 \times 1.$
$13459 := \sqrt{9} + (5! - 4)^{3-1}.$
$13488 := 8 \times (8!/4! + 3! \times 1).$
$13608 := 8!/6! \times \sqrt{3^{10}}.$
$13623 := (6! - 3) \times \sqrt{3!!/2 + 1}.$
$13642 := (6! - \sqrt{4}) \times \sqrt{3!!/2 + 1}.$
$13680 := (8! + 6!)/3 \times 1 \times 0!.$
$13681 := (8! + 6!)/3 + (-1 + 1)!.$
$13682 := (8! + 6 + 3!!)/(2 + 1).$
$13683 := (8! + 6!)/3 + 3 \times 1.$
$13747 := -77 + 4!^3 \times 1.$
$13774 := -7 \times 7 + 4!^3 - 1.$
$13793 := (\sqrt{9 + 7})!^3 - 31.$
$13813 := (8 \times 3)^3 - 11.$
$13814 := -8 + 4!^3 - 1 - 1.$
$13848 := (\sqrt{8 + 8})! + 4!^3 \times 1.$
$13849 := \sqrt{9} \times 8 + 4!^3 + 1.$
$13950 := 9 \times 5 \times 310.$
$13954 := 9 + 5! + 4!^3 + 1.$
$14168 := (-8 + 6^4) \times 11.$
$14257 := 7! + (5! - 4!)^2 + 1.$
$14320 := (-4 + 3!!) \times 2 \times 10.$
$14345 := \sqrt{5!^4} - 4! - 31.$
$14350 := 5 \times (4 \times 3!! - 10).$
$14360 := (6! - 4 + 3!!) \times 10.$
$14369 := (9! - 6!)/4! - 3!! - 1.$

$14396 := \sqrt{((\sqrt{9})!!/6)^4} - 3 - 1.$

$14407 := 7^4 \times (4-1)! + 0!.$

$14519 := (9! + 5!)/(4! + 1) - 1.$

$14539 := (\sqrt{9})!! - 5 + 4!^3 \times 1.$

$14545 := 5! + \sqrt{5!^4} + 4! + 1.$

$14549 := (\sqrt{9})!! + 5 + 4!^{4-1}.$

$14579 := \sqrt{9} \times 7! - 541.$

$14635 := (6+5)^4 - 3! \times 1.$

$14640 := (6! \times \sqrt{4} + 4!) \times 10.$

$14645 := ((6+5)^4 + 4) \times 1.$

$14879 := (9! - 8!/7)/4! - 1.$

$14957 := \sqrt{9} \times (7! - 54) - 1.$

$14979 := -\sqrt{9} \times ((\sqrt{9})! - 7! + 41).$

$14995 := (9! - 9!/5!)/4! + 1.$

$14999 := -(\sqrt{9})!!/(\sqrt{9})! + 9!/4! - 1.$

$15126 := 6 \times (5! \times 21 + 1).$

$15129 := (\sqrt{9} + 5!)^2 - 1 + 1.$

$15130 := (5! + 3)^{1+1} + 0!.$

$15225 := (5 + (5-2)!!) \times 21.$

$15235 := 5! - 5 + 3!! \times 21.$

$15246 := (6 + (\sqrt{5+4})!!) \times 21.$

$15267 := (7 + 6 \times 5!) \times 21.$

$15279 := \sqrt{9} \times (7! + 52 + 1).$

$15288 := (8 + (8-5)!!) \times 21.$

$15297 := \sqrt{9} \times (7! + 5!/2 - 1).$

$15324 := 5! + (4 + 3!!) \times 21.$

$15372 := (7 + 5 + 3!!) \times 21.$

$15384 := 8 + (5! + 4)^{3-1}.$

$15498 := 9!/(8 \times 5!) \times 41.$

$15503 := -5! + 5^{3!} - 1 - 0!.$

$15504 := -5! + 5^{(4-1)!} - 0!.$

$15505 := -5! + 5^{5+1\times 0!}.$

$15562 := (6^5 + 5) \times 2 \times 1.$

$15568 := (8 + 6^5) \times \sqrt{5-1}.$

$15604 := 6! + (5! + \sqrt{4})^{1+0!}.$

$15752 := 7 + 5! + 5^{(2+1)!}.$

$15753 := 7 + 5! + 5^{3!} + 1.$

$15930 := \sqrt{9} \times 5310.$

$16225 := 6 \times 52^2 + 1.$

$16254 := (6! + 54) \times 21.$

$16354 := -6 \times 5 + 4^{3!+1}.$

$16368 := 8 \times 66 \times 31.$

$16797 := -\sqrt{9} - 7 + 7^{6-1}.$

$16875 := \sqrt{(8+7)^6} \times 5 \times 1.$

$16879 := 9 \times 8 + 7^{6-1}.$

$16897 := (\sqrt{9})!!/8 + 7^{6-1}.$

$17160 := (7+6)!/(-1+10)!.$

$17280 := 8!/7 \times (2 + 1 \times 0!).$

$17281 := 8!/7 \times (2+1) + 1.$

$17283 := 8!/7 \times 3 + 2 + 1.$

$17288 := 8 + 8!/7 \times (2+1).$

$17289 := 9 + 8!/7 \times (2+1).$

$17298 := \sqrt{9} \times (8!/7 + (2+1)!).$

$17354 := 75 + 4! \times 3!! - 1.$

$17495 := \sqrt{\sqrt{9^{7+5}}} \times 4! - 1.$

$17527 := \sqrt{(7\times 7)^5} + (2+1)!!.$

$17529 := (\sqrt{9})!! + 7^5 + 2 \times 1.$

$17533 := 7^5 + 3! + 3!! \times 1.$

$17580 := (8! - 7! - 5!)/(1 + 0!).$

$17637 := (7 \times 7! - 6)/(3-1).$

$17640 := \sqrt{(7\times 6)^4} \times 10.$

$17647 := 7 \times ((7!/(6 + (-4))) + 1).$

$17724 := 7 \times (7! + 4!)/2 \times 1.$

$17973 := -\sqrt{9^7} + 7! \times (3+1).$

$17974 := -\sqrt{9^7} + 7! \times 4 + 1.$

$18270 := 87 \times 210.$

$18433 := 8 \times 4!^3/3! + 1.$

$19197 := \sqrt{9} \times 9 \times 711.$

$19208 := 98^2 \times (1 + 0!).$

$19428 := -(\sqrt{9})!! + (8! - 4!)/2 \times 1.$

$19430 := (\sqrt{9})!! \times (4! + 3) - 10.$

$19438 := -(\sqrt{9})!! + (8! - 4)/(3-1).$

$19467 := \sqrt{9^7} + 6! \times 4! \times 1.$

$19512 := 9 \times (5! + 2^{11}).$

$19598 := \sqrt{9^9} - 85 \times 1.$

$19629 := 9 \times (\sqrt{9} \times 6! + 21).$

$19662 := \sqrt{\sqrt{\sqrt{9^{6\times 6}}}} - 21.$

$19759 := \sqrt{9^9} + 75 + 1.$

$19800 := (-(\sqrt{9})!! + 8!)/(1 \times 0! + 0!).$

$19801 := (-(\sqrt{9})!! + 8!)/(1+1) + 0!.$

$19802 := (-(\sqrt{9})!! + 8!)/2! + 1 + 0!.$

$19803 := (-(\sqrt{9})!! + 8! + 3!)/(1 + 0!).$

$19806 := (\sqrt{9})! + (8! - 6!)/(1 + 0!).$

$19809 := 9 + (-(\sqrt{9})!! + 8!)/(1 + 0!).$

$19908 := (-9!/(\sqrt{9})!! + 8!)/(1 + 0!).$

$20128 := 8!/2 - \sqrt{2^{10}}.$

$20148 := (8! - 4!)/2 \times 1 \times 0!.$

$20159 := (\sqrt{9} + 5)!/2 - 1 \times 0!.$

$20160 := (6+2)!/(1 \times 0! + 0!).$

$20161 := (6+2)!/(1+1) + 0!.$

$20162 := (6+2)!/2 + 1 + 0!.$

$20163 := (6 + (3! + 2)!)/(1 + 0!).$

$20164 := (6 \times 4! - 2)^{1+0!}.$

$20182 := 8!/2 + 21 + 0!.$

$20184 := (8! + 4! \times 2)/(1 + 0!).$

$20280 := 8!/2 + ((2 + 0!)! - 0!)!.$

$20448 := (8! + 4! \times 4!)/2 \times 0!.$

$20480 := 8^4 \times ((2 + 0!)! - 0!).$

$20735 := (7+5)^{3!-2} - 0!.$

$20884 := (8 + 8!)/\sqrt{4} + (2 + 0!)!!.$

$20889 := (\sqrt{9})!! + 8 + 8!/2 + 0!.$

$21579 := (-(\sqrt{9})!! + 7!) \times 5 - 21.$

$22175 := 7!/5 \times 22 - 1.$

$22472 := (7!/4! + 2)^2/2.$

$22599 := 9 \times (-9 + (5+2)!/2).$

$22678 := (8! + 7! - 6 + 2)/2.$

$22679 := (9 \times 7 \times 6! - 2)/2.$

$22687 := (8! + 7 \times (6! + 2))/2.$

$22698 := (9!/8 + 6^2)/2.$

$22966 := (-(\sqrt{9})!! + 6^6)/2 - 2.$

$22969 := ((\sqrt{9})!^{(\sqrt{9})!} - 6! + 2)/2.$

$23033 := -3! + 3!! \times 32 - 0!.$

$23035 := -5 + 3!! \times 32 \times 0!.$

$23039 := (9-3)! \times 32 - 0!.$

$23042 := \sqrt{4} + 3!! \times \sqrt{\sqrt{2^{20}}}.$

$23043 := 4 + 3!! \times 32 - 0!.$

$23064 := (6! + 4!) \times (32 - 0!).$

$23104 := (\sqrt{4} + 3!!) \times \sqrt{2^{10}}.$

$23136 := (6! + 3) \times 32 \times 1.$

$23298 := ((\sqrt{9})!! + 8) \times 32 + 2.$

$23304 := -4! + 3!^{3!}/2 \times 0!.$

$23319 := -9 + 3!^{3!}/2 \times 1.$

$23323 := -3! + (3!^{3!} + 2)/2.$

$23325 := -5 + 3!^{3!}/2 + 2.$

$23326 := 6^{3+3}/2 - 2.$

$23329 := ((9-3)^{3!} + 2)/2.$

$23330 := 3 + 3!^{3!}/2 - 0!.$

$23331 := 3 \times (3!^{3+2} + 1).$

$23332 := (3!^{3!} + 3! + 2)/2.$

$23343 := (4! + 3! + 3!^{3!})/2.$

$23364 := \sqrt{6^4} + 3!^{3!}/2.$

$23377 := 7 \times 7 + 3!^{3!}/2.$

$23409 := (9 + 4! \times 3!)^2 \times 0!.$

$23465 := 65 \times (\sqrt{4} + 3!!)/2.$

$23754 := -7! + (\sqrt{5!^4} - 3) \times 2.$

$23758 := (-87 + 5!) \times 3!! - 2.$

$23760 := 7! + 6! \times (3! + 20).$

$24191 := 9!/(4^2 - 1) - 1.$

$24193 := 9!/(4! - 3^2) + 1.$

$24276 := 7 \times 6 \times (4!^2 + 2).$

$24336 := 6^4 + 3!! \times 32.$

$24353 := (5 + 4!)^3 - 3!^2.$

$24360 := (6! - 4!) \times (3!^2 - 0!).$

$24575 := 7! \times 5 - \sqrt{5^{4\times 2}}.$

$24579 := (-9 + 7!) \times 5 - 4!^2.$

$24649 := (9 + 6 \times 4! + 4)^2.$

$24964 := (9 \times (6 - 4!) + 4)^2.$

$25075 := 7! \times 5 - 5^{2+0!}$.
$25150 := 5 \times ((5+2)! - 10)$.
$25187 := 8 + 7! \times 5 - 21$.
$25207 := 7 \times ((5!/2)^2 + 0!)$.
$25249 := -9! + (5^4 - 2)^2$.
$25577 := (7! + 75) \times 5 + 2$.
$25733 := -7 + (-5 + 3!!) \times 3!^2$.
$25746 := (7! - 6) \times 5 + 4!^2$.
$25768 := -8 + 7! + (6!/5)^2$.
$25774 := 7! + (7+5)^4 - 2$.
$25776 := (\sqrt{7 \times 7})! + (6!/5)^2$.
$25784 := 8 + (7! \times 5 + 4!^2)$.
$25918 := -\sqrt{9} + 8! - 5!^2 + 1$.
$25926 := (\sqrt{9})! + 6! \times (5-2)!^2$.
$25928 := (\sqrt{9})! + 8! - 5!^2 + 2$.
$25932 := (\sqrt{9})! \times (5! \times 3!^2 + 2)$.
$25947 := (9!/7 + 54)/2$.
$25974 := (-9 + 7!/5) \times (4! + 2)$.
$26173 := (7 + 6!) \times 3!^2 + 1$.
$26244 := (-6 + 4 \times 42)^2$.
$26279 := (9!/7 + 6! - 2)/2$.
$26384 := (8! - 6! - 4!)/3 \times 2$.
$26455 := (6! - 5) \times (-5 + 42)$.
$26754 := \sqrt{7^6} \times (5! - 42)$.
$26836 := (8! - 66)/3 \times 2$.
$26848 := (-8 + 8!/6) \times \sqrt{4^2}$.
$26864 := 8! - (6!/6 - 4)^2$.
$26868 := 8! - (8!/6 + 6) \times 2$.
$26883 := (8 \times 8!/6 + 3!)/2$.
$26884 := 8 \times (8! + 6)/(4!/2)$.
$26893 := 9 + (8! + 6)/3 \times 2$.
$26898 := 9 + (8! + 8!)/6 \times 2$.
$27363 := (76 \times 3!! + 3!)/2$.
$27497 := -(\sqrt{9})!! - 7 + (7 \times 4!)^2$.
$27719 := (\sqrt{9})!! \times 77/2 - 1$.
$27984 := (\sqrt{9})! \times 8 \times (7 + 4!^2)$.
$28184 := 8 + 8! - 4!!/21!$.
$28224 := (8 \times 42/2)^2$.
$28368 := 8!/8 + 6^{3!}/2$.
$28376 := 8 + 7! + 6^{3!}/2$.
$28640 := (-8 + 6! \times \sqrt{4}) \times 20$.
$28656 := 8! - (6 + 6 - 5!)^2$.
$28678 := \sqrt{8^8} \times 7 + \sqrt{6^2}$.
$28758 := (-8 + 8!/7) \times 5 - 2$.
$28795 := -\sqrt{9} + 8!/7 \times 5 - 2$.
$28797 := -\sqrt{9} + 8!/7 \times (7-2)$.
$28798 := (-\sqrt{9} + 8) \times 8!/7 - 2$.
$28944 := (\sqrt{9})!! + (84 \times \sqrt{4})^2$.
$28960 := ((\sqrt{9})!! + 8 + 6!) \times 20$.
$29160 := (9 \times 6)^2 \times 10$.
$29169 := 9 \times (9 \times 6!/2 + 1)$.
$29282 := (\sqrt{9} + 8)^{2\times 2} \times 2$.
$29284 := (\sqrt{9} + 8)^4 \times 2 + 2$.
$29523 := (9^5 - 3!/2)/2$.
$29524 := (9^5 - \sqrt{4}/2)/2$.
$29525 := (9^5 + 5)/2 - 2$.
$29529 := (\sqrt{9})!! + 9 + 5!^2 \times 2$.
$29584 := \sqrt{9} + \sqrt{(8+5)^{4\times 2}}$.
$29643 := (\sqrt{9} + 6!) \times (43 - 2)$.
$29664 := 9!/(6+6) - 4!^2$.
$29735 := 9 \times 7! - 5^{3\times 2}$.
$29754 := (\sqrt{9})! \times (7! - (5+4)^2)$.
$29808 := \sqrt{(\sqrt{9})!^8} \times ((8/2)! - 0!)$.
$29868 := (\sqrt{9})! \times (8!/8 - 62)$.
$29929 := (9 \times 9 + 92)^2$.
$29994 := (\sqrt{9})! - ((\sqrt{9})! - (\sqrt{9})!!) \times 42$.
$30272 := 7! \times 3! + \sqrt{\sqrt{2^{20}}}$.
$30299 := ((\sqrt{9})!! + 9!)/(3! \times 2) - 0!$.
$30497 := (\sqrt{9})! \times (7! + 43) - 0!$.
$30529 := -(\sqrt{9})!! + 5^{3!} \times 2 - 0!$.
$30564 := 6 \times (54 + (3! + 0!)!)$.
$30964 := \sqrt{9} + 6! \times 43 + 0!$.
$30984 := \sqrt{(\sqrt{9})!^8} \times 4! - (3! - 0!)!$.
$31104 := 4 \times \sqrt{(3! \times 1)^{10}}$.
$31684 := ((8 - 6!)/4)^{3-1}$.
$31744 := (7 + 4!) \times 4^{3!-1}$.
$31950 := 9 \times 5 \times (3!! - 10)$.
$32048 := (8 \times 4)^3 - (2 + 0!)!!$.
$32175 := (7^5 - 3!!) \times 2 + 1$.
$32355 := (-5 + 5 \times 3!!) \times 3^2$.
$32394 := -(\sqrt{9})! + ((4! + 3!) \times 3!)^2$.
$32448 := (8! + \sqrt{\sqrt{4^{4!}}} \times 3!)/2$.
$32476 := 7! + \sqrt{(6! + \sqrt{4})^3 \times 2}$.
$32528 := 8^5 - (3+2)! \times 2$.
$32546 := -6^5 + (4!/3)! + 2$.
$32805 := 8^5 + 3!^2 + 0!$.
$32848 := 8 \times (8 + 4^{3!} + 2)$.
$32854 := 8^5 + 43 \times 2$.
$32880 := (8! - 8!/3! - (2 + 0!)!!)$.
$33074 := (\sqrt{7^4} - 3) \times (3!! - 0!)$.
$33180 := 8! + (3! - 3!!) \times 10$.
$33458 := 8^5 - 4! - 3! + 3!!$.
$33579 := 9 \times 7 \times 533$.
$33589 := (-(\sqrt{9})! + 8!) \times 5/3! - 3!$.
$33599 := (9!/9 \times 5 - 3!)/3!$.
$33720 := (7!/3 + 3!) \times 20$.
$33876 := (8!/7 + 6) \times 3! - 3!!$.
$34248 := 8! - 4!!/(4! - 3)!/2$.
$34377 := 7 \times (7! - 43 \times 3)$.
$34452 := (-54 + 4! \times 3!!) \times 2$.
$34496 := ((\sqrt{9})!! + 6!) \times 4! - 4^3$.
$34578 := (8!/7 + \sqrt{5+4}) \times 3!$.
$34847 := 8! - \sqrt{74^4} + 3$.
$34858 := 8! - (8^5 + 4)/3!$.
$34937 := ((\sqrt{9})!! - 7) \times (43 + 3!)$.
$34938 := (\sqrt{(\sqrt{9})!^8} - \sqrt{4}) \times 3^3$.
$34965 := 9 \times (6^5/\sqrt{4} - 3)$.
$34968 := (-9 + 8!/6!) \times (4! + 3!!)$.
$34988 := ((\sqrt{9})!^8/8 - 4!)/3!$.
$34995 := \sqrt{9} + \sqrt{9^5} \times 4! \times 3!$.
$35268 := 8! - 6 \times (5! + 3!! + 2)$.
$35384 := 8! - 5! - 4^{3!} - 3!!$.
$35400 := (5! - \sqrt{4}) \times 300$.
$35557 := 7^5 + 5^5 \times 3!$.
$35784 := 8! - 7! + (5+4)!/3!!$.
$35785 := 8!/(7-5) + 5^{3!}$.
$35793 := 97 \times (5! + 3) \times 3$.
$35910 := (-9 + 5 \times 3!!) \times 10$.
$35928 := (9 \times 8!/5 - 3!!)/2$.
$35964 := 9 \times 6 \times (-54 + 3!!)$.
$35973 := -\sqrt{9^7} + 53 \times 3!!$.
$35985 := 9!/8 - 5^5 \times 3$.
$35991 := 9 \times (9 + 5!) \times 31$.
$36144 := 6^4 \times 4! + (3! + 1)!$.
$36186 := 8! - 6 \times (6! - 31)$.
$36294 := 9!/(6+4) + 3 \times 2$.
$36568 := 8!/6! \times 653$.
$36594 := 9 \times (-6 \times 5 + 4^{3!})$.
$36684 := 8! - \sqrt{66^4} + 3!!$.
$36768 := 8 \times 766 \times 3!$.
$36792 := (9! + 7!)/(6 + 3! - 2)$.
$36798 := \sqrt{9^8} + 7! \times 6 - 3$.
$37179 := \sqrt{9^7} \times (-7 + (3+1)!)$.
$37294 := 9! \times 74/3!! - 2$.
$37297 := -(\sqrt{9})! + 7 \times 73^2$.
$37424 := (7! + 4!^4)/3^2$.
$37428 := 8! - (7! + 4! + 3!!)/2$.
$37484 := 8! + 7!/4 - 4^{3!}$.
$37536 := -76 \times 5! + 3!^{3!}$.
$37576 := -\sqrt{(7+7)^6} + (5+3)!$.
$37742 := (7! + 7 + 4!^3) \times 2$.
$37791 := 9 \times (7! - 7!/3! - 1)$.
$37800 := 8! - 7!/(3 \times 0! - 0!)$.
$37801 := 8! - 7!/(3-1) + 0!$.
$37802 := 8! - (7! - 3!)/2 - 0!$.
$37803 := 8! - (7! - 3!)/(3 - 0!)$.

$37824 := 8! - 7!/\sqrt{4} + (3! - 2)!.$
$37854 := 8! - (7! - 5!)/\sqrt{4} - 3!.$
$37919 := 9!/9 - 7^{3+1}.$
$38024 := (8 \times 4! + 3)^2 - 0!.$
$38130 := 8! - 3 \times (3!! + 10).$
$38139 := (\sqrt{9})! + 8! - 3^{3!+1}.$
$38152 := -8 + 53 \times (2 + 1)!!.$
$38153 := -8 + 53 \times 3!! + 1.$
$38328 := 8! - 83 \times (3! - 2)!.$
$38368 := 8! - \sqrt{8^6} - 3!! - 3!!.$
$38376 := 8 \times (7! - 6!/3 - 3).$
$38409 := ((\sqrt{9})! + 8)^4 - 3! - 0!.$
$38416 := (8 + 6)^{4!/3!} \times 1.$
$38419 := ((\sqrt{9})! + 8)^4 + 3 \times 1.$
$38445 := 8! - (5!/4!)^4 \times 3.$
$38446 := (8 + 6)^4 + 4! + 3!.$
$38512 := -8 + 5! \times 321.$
$38523 := 8! - (5 \times 3!! - 3!)/2.$
$38597 := -\sqrt{9} + 8! - (7! + 5!)/3.$
$38598 := (\sqrt{9^8} - 8 - 5!) \times 3!.$
$38634 := 8! - 6 - (4 + 3)!/3.$
$38637 := 8! - 7!/(6 - 3) - 3.$
$38744 := 8! + 7!/\sqrt{4} - 4^{3!}.$
$38745 := 8! - 75 \times (4! - 3).$
$38784 := 8! - 8^{7-4} \times 3.$
$38847 := 8! - (8! - 7!)/4! - 3.$
$38874 := 8! - 8!/(7 \times 4) - 3!.$
$38940 := (\sqrt{(\sqrt{9})!^8} + \sqrt{4}) \times 30.$
$38952 := 9 \times (8 + 5! \times 3!^2).$
$38983 := -(\sqrt{9})! + 8! - (8 + 3)^3.$
$38985 := 9 + 8! - 8!/(5 \times 3!).$
$39024 := -(\sqrt{9})!^4 + (3! + 2)! \times 0!.$
$39203 := ((\sqrt{9})! \times 33)^2 - 0!.$
$39204 := ((9 + 4!) \times 3!)^2 \times 0!.$
$39280 := -(\sqrt{9})!! + 8! - 320.$
$39305 := (-(\sqrt{9})! + 5!/3)^3 + 0!.$
$39342 := 9^4 \times 3! - (3! - 2)!.$
$39357 := 9 \times (7! + 53 - 3!!).$
$39368 := \sqrt{9^8} \times 6 + 3!/3.$
$39402 := (9^4 + 3!) \times (2 + 0!)!.$
$39403 := (9^4 + 3!) \times 3! + 0!.$
$39419 := (9 + 9^4) \times 3! - 1.$
$39528 := 9 \times (8!/5 + 3!!)/2.$
$39538 := -9 + 8! - 53 - 3!!.$
$39658 := -9 + 8! - 653.$
$39672 := 9 \times (7! - 632).$
$39682 := -(\sqrt{9})! + 8! - 632.$
$39690 := 9!/9 - 630.$
$39780 := (\sqrt{9})!! + 8! - 7!/(3 + 0!).$
$39798 := 9!/9 - 87 \times 3!.$
$39817 := -(\sqrt{9})!! + 8! + 7 \times 31.$
$39818 := 9 + 8! - 8^3 + 1.$
$39849 := \sqrt{9^9} + 8!/\sqrt{4} + 3!.$
$39867 := \sqrt{9} + 8! - 76 \times 3!.$
$39873 := -9 + 8! - 73 \times 3!.$
$39876 := -\sqrt{9} + 8! - 7 \times 63.$
$39887 := -(\sqrt{9})!!/8 + 8! - 7^3.$
$39889 := 9 \times 9 + 8! - 8^3.$
$39897 := -(\sqrt{9})!!/9 + 8! - 7^3.$
$39936 := -9!/(9 \times 6) + 3!^{3!}.$
$39977 := ((-9 + 9)! + 7)! - 7^3.$
$39982 := ((\sqrt{9})!! - (\sqrt{9})!) \times 8!/3!! - 2.$
$40081 := 8! - 4! \times 10 + 0!.$
$40086 := 8! - 6 \times (40 - 0!).$
$40158 := 8! - 5! - 41 - 0!.$
$40184 := 8! - 4 \times (4! + 10).$
$40186 := 8! - 6 \times 4! + 10.$
$40188 := 8! - (8 + 4)!/10!.$
$40239 := -\sqrt{9^4} + (3! + 2 \times 0!)!.$
$40247 := -74 + (4 \times 2)! + 0!.$
$40256 := -65 + (4 \times 2)! + 0!.$
$40258 := 8! - (5! + 4)/2 \times 0!.$
$40271 := -\sqrt{7^4} + (-2 + 10)!.$
$40280 := 8! - 42 + 0! + 0!.$
$40286 := 8! - \sqrt{6^4} + 2 \times 0!.$
$40345 := -5 + (4 + 4)! + 30.$
$40350 := 5!/4 + (3! + 0! + 0!)!.$
$40364 := (\sqrt{64})! + 43 + 0!.$
$40378 := 8! + 7 \times 4 + 30.$
$40465 := 6!/5 + (4 + 4)! + 0!.$
$40480 := 8! + 4 \times 40 \times 0!.$
$40489 := 8! + 9 + 4 \times 40.$
$40680 := 8! + 6!/(4^0 + 0!).$
$40681 := 8! + 6!/\sqrt{4} + 1 \times 0!.$
$40682 := 8! + (6! + 4)/2 \times 0!.$
$40683 := 8! + 6!/\sqrt{4} + 3 \times 0!.$
$40684 := 8! + 6!/\sqrt{4} + 4 \times 0!.$
$40686 := 8! + 6 + 6!/\sqrt{4} \times 0!.$
$40689 := 9 + 8! + 6!/\sqrt{4} \times 0!.$
$40833 := 8! + (4!/3)^3 + 0!.$
$40855 := 8! - 5 + 540.$
$40890 := -(\sqrt{9})! + 8! + 4!^{0!+0!}.$
$40892 := -\sqrt{9} + 8! + 4!^2 - 0!.$
$40985 := (\sqrt{9})!! + 8! - 54 - 0!.$
$41344 := (4 + 4)! + 4^{3!-1}.$
$41348 := 8! + 4 + 4^{3!-1}.$
$41353 := -5! + 4!^3 \times 3 + 1.$
$42384 := 8! + 4! \times 43 \times 2.$
$42385 := 8! + 5^4 + 3!! \times 2.$
$42624 := (\sqrt{64})! + (4! \times 2)^2.$
$42659 := ((-9 + 6!) \times 5! - \sqrt{4})/2.$
$42718 := 8! + 7^4 - 2 - 1.$
$42721 := 7^4 + (2^{2+1})!.$
$42723 := 7^4 + (3! + 2)! + 2.$
$42768 := 8! + 7! - 6^4 \times 2.$
$42827 := 8! + 7! - (4! + 2)/2.$
$42835 := 8! - 5 + (4 + 3)!/2.$
$42837 := 8! + 7!/\sqrt{4} - \sqrt{3^2}.$
$42849 := (9 - 8 \times 4! - 4!)^2.$
$42864 := 8! + (6^4 - 4!) \times 2.$
$42877 := 8! + (7! + 74)/2.$
$42960 := \sqrt{9} \times (6! - 4) \times 20.$
$43205 := 5 \times (4! \times 3!!/2 + 0!).$
$43245 := 5 \times (4 \times 4! - 3)^2.$
$43280 := 8! + 4 \times (3!! + 20).$
$43320 := (\sqrt{4} + 3!!) \times 3 \times 20.$
$43328 := 8! + 4 \times (3!! + 32).$
$43350 := (5 + \sqrt{4} \times 3!!) \times 30.$
$43374 := (7!/4!)^{\sqrt{4}} - 3! - 3!!.$
$43398 := 9 \times (8^4 + 3!) + 3!!.$
$43554 := (5! + \sqrt{5!^4} - \sqrt{4}) \times 3.$
$43555 := -5 + (5! + \sqrt{5!^4}) \times 3.$
$43562 := (6! \times 5! + 4 + 3!!)/2.$
$43566 := (6 + 6!) \times 5!/\sqrt{4} + 3!.$
$43632 := (6! + 4!^3) \times 3!/2.$
$43648 := (8^6 - 4^4)/3!.$
$43689 := (\sqrt{9})! + (8^6 - 4)/3!.$
$43698 := (\sqrt{9^8} + 6! + \sqrt{4}) \times 3!.$
$43784 := 8 \times (\sqrt{74^4} - 3).$
$43856 := 8! + (6! \times 5 - 4^3).$
$43918 := 9!/8 - \sqrt{4} \times (3!! + 1).$
$43925 := ((\sqrt{9})! + 5)^4 \times 3 + 2.$
$43981 := (-\sqrt{9} + \sqrt{8^4}) \times (3!! + 1).$
$44097 := -\sqrt{9} + (7!/4!)^{\sqrt{4}} \times 0!.$
$44099 := (-(\sqrt{9})! + 9 \times 4!)^{\sqrt{4}} - 0!.$
$44389 := -\sqrt{9} + 8! - 4! + 4^{3!}.$
$44398 := (\sqrt{9})! + 8! - 4! + 4^{3!}.$
$44438 := 8! - \sqrt{4} + 4! + 4^{3!}.$
$44538 := 8! + 5! + \sqrt{4} + 4^{3!}.$
$44652 := (6! \times (5! + 4) + 4!)/2.$
$44729 := ((9! - 7!)/4 - \sqrt{4})/2.$
$44735 := 7! - 5^4 + (4!/3)!.$
$44759 := 9 \times 7! - 5^4 + 4!.$
$44896 := 9!/8 - 6! + 4^4.$
$44942 := (9 \times 4! - 4)^{\sqrt{4}} - 2.$
$44944 := ((9 + 44) \times 4)^{\sqrt{4}}.$
$44946 := (\sqrt{(\sqrt{9})!^6} - 4)^{\sqrt{4}} + \sqrt{4}.$

$44973 := 9 \times ((\sqrt{\sqrt{7^4}})! - 43)$.
$44991 := 9 \times ((\sqrt{9} + 4)! - 41)$.
$45276 := \sqrt{7^6} \times (5! + 4!/2)$.
$45298 := 9!/8 - (5! + 4)/2$.
$45324 := ((5 + \sqrt{4})! - 4) \times 3^2$.
$45328 := 8! + (5 + \sqrt{4})! - 32$.
$45345 := (-5! + (5 + 4)!)/(4!/3)$.
$45389 := 9!/8 + 5 + 4 \times 3!$.
$45390 := 9 \times (5 + \sqrt{4})! + 30$.
$45391 := 9 \times (5 + \sqrt{4})! + 31$.
$45392 := 9 \times (5 + \sqrt{4})! + 32$.
$45398 := 9!/8 - 5 + 43$.
$45576 := 76 \times 5 \times 5! - 4!$.
$45598 := 9!/8 + 5! + 5! - \sqrt{4}$.
$45600 := (-6 + 5!) \times 400$.
$45719 := (\sqrt{9})!! \times (7 + 5!)/\sqrt{4} - 1$.
$45738 := 8! + 7 \times (54 + 3!!)$.
$45792 := 9 \times (7! + (5! - 4!)/2)$.
$45796 := (9 - \sqrt{7^6} + 5!)^{\sqrt{4}}$.
$45897 := \sqrt{9^8} \times 7 - 5!/4$.
$45927 := \sqrt{9^7} \times (5 + 4^2)$.
$45958 := 9!/8 + 5 \times 5! - \sqrt{4}$.
$45966 := -(\sqrt{9})!! + 6^6 + 5!/4$.
$45978 := 9!/8 - 7 + 5^4$.
$45979 := -(\sqrt{9})! + 9 \times 7! + 5^4$.
$45985 := 9!/8 + \sqrt{(5 \times 5)^4}$.
$45996 := -(\sqrt{9})!! + (\sqrt{9})!^6 + 5!/\sqrt{4}$.
$46256 := 6^6 - (5 \times 4)^2$.
$46295 := (\sqrt{9})!^6 - (-5 + 4!)^2$.
$46337 := -\sqrt{7^6} + 4! + 3!^{3!}$.
$46368 := 8! + (6! + 6^4) \times 3$.
$46506 := 6 \times (6^5 - 4! - 0!)$.
$46512 := (6^5 - 4!) \times (2 + 1)!$.
$46513 := (6^5 - 4!) \times 3! + 1$.
$46540 := 65 \times (-4 + (4 - 0!)!!)$.
$46593 := (\sqrt{9})!^6 - 5!/\sqrt{4} - 3$.
$46594 := (\sqrt{9})!^6 - (5! + 4)/\sqrt{4}$.
$46599 := -\sqrt{9} + (\sqrt{9})!^6 - 54$.
$46613 := 6^6 - 43^1$.
$46615 := 6 \times 6^5 - 41$.
$46619 := (\sqrt{9})!^6 - \sqrt{6^4} - 1$.
$46623 := 6^6 - 4! - 3^2$.
$46784 := 8! \times 7/6 - 4^4$.
$46797 := 9!/7 - 7! - 6/\sqrt{4}$.
$46889 := \sqrt{9^8} + 8 + (\sqrt{64})!$.
$46899 := \sqrt{9} \times (\sqrt{9} - 8)^6 + 4!$.
$46956 := (\sqrt{9})!^6 + (6! - 5!)/\sqrt{4}$.
$46971 := 9 \times (7! + 6!/4 - 1)$.
$46995 := (\sqrt{9} + (\sqrt{9})!!) \times \sqrt{\sqrt{65^4}}$.
$46997 := (\sqrt{9})!^{(\sqrt{9})!} + (\sqrt{7^6} - \sqrt{4})$.
$47033 := 7 \times ((4!/3)!/3! - 0!)$.
$47399 := (\sqrt{9})!^{(\sqrt{9})!} + 743$.
$47524 := ((7 - 5! + 4) \times \sqrt{4})^2$.
$47595 := (\sqrt{9})!! + 75 \times 5^4$.
$47635 := 7 + \sqrt{(6 + 5!)^4} \times 3$.
$47652 := 76 \times (5^4 + 2)$.
$47799 := 9 \times (-9 + 7!) + 7!/\sqrt{4}$.
$47868 := 8! + (-8 + 7!) \times 6/4$.
$47873 := 8! - 7 + 7!/4 \times 3!$.
$47876 := (8! \times 7 + 7!)/6 - 4$.
$47880 := 8! + (8! + 7!)/(4 - 0!)!$.
$47883 := 8! + \sqrt{87^4} - 3!$.
$47892 := 9!/8 + (7! + 4!)/2$.
$47898 := 9 + 8! + \sqrt{87^4}$.
$48056 := 8! + 6^5 - 40$.
$48333 := 8!/4! - 3 + 3!^{3!}$.
$48334 := 8!/4! - \sqrt{4} + 3!^{3!}$.
$48336 := 8!/6 \times 4 + 3!^{3!}$.
$48339 := \sqrt{9} + 8!/4! + 3!^{3!}$.
$48344 := 8! + 4! + (-4 + 4!)^3$.
$48378 := 8! + 8!/(7 - \sqrt{4}) - 3!$.
$48382 := 8! + 8!/(\sqrt{4} + 3) - 2$.
$48384 := 8! - 8!/(4/4 - 3!)$.
$48384 := 8 \times 84 \times 4! \times 3$.
$48385 := 8! + 8!/5 + 4 - 3$.
$48387 := 8! + 8!/(7 - \sqrt{4}) + 3$.
$48390 := (\sqrt{9})! \times (8!/(\sqrt{4} + 3) + 0!)$.
$48393 := 9 + 8!/(\sqrt{4} + 3) \times 3!$.
$48576 := 8 \times (7! \times 6/5 + 4!)$.
$48596 := \sqrt{\sqrt{9^8}} \times (6! - 5!) - 4$.
$48640 := \sqrt{8^6} \times (4 \times 4! - 0!)$.
$48672 := 8 \times (76 + \sqrt{4})^2$.
$48954 := -(\sqrt{9})! + 85 \times 4! \times 4!$.
$49284 := ((\sqrt{9})! + 8 \times 4! + 4!)^2$.
$49293 := 9 + (9 \times 4! + 3!)^2$.
$49347 := 9 \times (7! + 443)$.
$49668 := 9!/8 + 6 \times (6! - \sqrt{4})$.
$49729 := ((\sqrt{9})!^{\sqrt{9}} + 7)^{\sqrt{\sqrt{4^2}}}$.
$49775 := 9 \times 7! + 7! - 5^4$.
$49904 := -(\sqrt{9})!! + (-9 + 4!)^4 - 0!$.
$49905 := -(\sqrt{9})!! + (\sqrt{9} \times 5)^4 \times 0!$.
$49906 := -(\sqrt{9})!! + (9 + 6)^4 + 0!$.
$49923 := \sqrt{9} \times 9 \times 43^2$.
$49925 := \sqrt{9} \times \sqrt{(9 + 5!)^4} + 2$.
$50401 := (5 + \sqrt{4})! \times 10 + 0!$.
$50427 := (7^5 + \sqrt{4}) \times (2 + 0!)$.
$51696 := (\sqrt{9} \times 6! - 6) \times (5 - 1)!$.
$51697 := 9!/7 - 6!/5 + 1$.
$51719 := 9!/7 - 5! - (-1 + 1)!$.
$51789 := (9 \times 8!)/7 - 51$.
$51790 := 9!/7 - 5 \times 10$.
$51794 := 9!/7 - 5 - 41$.
$51797 := 9!/7 - 7!/5! - 1$.
$51840 := (8 - 5)!!^{\sqrt{4}}/10$.
$51967 := 9!/7 + 6 + 5! + 1$.
$52079 := 9!/7 + 5! \times 2 - 0!$.
$52168 := 8 \times 6521$.
$52864 := 8! + (-6 + 5! - \sqrt{4})^2$.
$53289 := -(\sqrt{9})!! + 8! + (5! - 3)^2$.
$53475 := 75 \times (-5 - \sqrt{4} + 3!!)$.
$53548 := 8! + \sqrt{(-5 + 5!)^4} + 3$.
$53783 := 8 + 75 \times (-3 + 3!!)$.
$53824 := (((8 - 5)!! - 4!)/3)^2$.
$53845 := 85 \times 5^4 + 3!!$.
$53886 := 8 \times 8!/6 + 5! + 3!$.
$53970 := (\sqrt{9})!! \times 75 - 30$.
$53973 := (\sqrt{9})!! \times 75 - 3^3$.
$53997 := -\sqrt{\sqrt{9 \times 9}} + 75 \times 3!!$.
$54009 := 9^5 - ((4 - 0!)! + 0!)!$.
$54075 := 75 \times ((\sqrt{5 + 4})!! + 0!)$.
$54138 := 8! - 5 + 4!^3 - 1$.
$54244 := \sqrt{(5! - \sqrt{4})^4} + (4 \times 2)!$.
$54289 := (9 - (8 - 5!) \times \sqrt{4})^2$.
$54369 := (-9 + 6^5) \times (4 + 3)$.
$54375 := 75 \times (5!/4! + 3!!)$.
$54376 := 7 \times (6^5 - 4!/3)$.
$54378 := 87 \times (5^4 + 3)$.
$54384 := 8! + (5! \times \sqrt{4} + 4!^3)$.
$54456 := 6^5 \times (5 + \sqrt{4}) + 4!$.
$54476 := 7 \times 6^5 + 44$.
$54576 := 7 \times 65 \times 5! - 4!$.
$54607 := 7 \times (6^5 + 4! + 0!)$.
$54648 := (8! - \sqrt{(-6 + 5!)^4}) \times \sqrt{4}$.
$54719 := 9!/7 + 5! \times 4! - 1$.
$54726 := 7 \times (6^5 + 42)$.
$54768 := 8 \times (7! + 6) + \sqrt{5!^4}$.
$54795 := \sqrt{9} \times (7! + \sqrt{(-5 + 5!)^4})$.
$54953 := \sqrt{9^{5+5}} - 4^{3!}$.
$55225 := (5 \times (-5 + 52))^2$.
$55320 := -5! + (5 + 3!)!/(2 + 0!)!!$.
$55384 := (-8! + (\sqrt{5! + 5 - 4})!)/3!!$.
$55435 := -5 + (\sqrt{5! + 5 - 4})!/3!!$.
$55436 := ((6 + 5)! - 5! \times 4!)/3!!$.
$55440 := (\sqrt{5! + 5 - 4})!/(4 - 0!)!!$.
$55449 := 9^5 - 5 \times (4!/4)!$.
$55476 := -7! + (6 + 5! + 5!)^{\sqrt{4}}$.
$55728 := 8! \times 7/5 - (5 - 2)!!$.

$55823 := 8! - 5! + (5^{3!} - 2).$

$55825 := 8! - 5! + 5^{(5-2)!}.$

$55862 := 8! + (6^5 - 5) \times 2.$

$55924 := -(\sqrt{9})!! + (5! + 5! - \sqrt{4})^2.$

$56568 := 8 \times (-6! + 6^5) + 5!.$

$56587 := (8! \times 7 + 6!)/5 - 5.$

$56644 := ((-6 + 6!)/\sqrt{5 + 4})^{\sqrt{4}}.$

$56832 := \sqrt{8^6} \times (5! - 3^2).$

$56885 := 8 \times 8!/6 + 5^5.$

$56952 := 9!/6! \times (5! - 5 - 2).$

$57128 := 8! + 7^5 + 2 - 1.$

$57295 := -9! + 7^5 \times 5^2.$

$57339 := 9 \times (7! + (5 + 3!)^3).$

$57456 := 7! \times (-6 + 5!)/(5 \times \sqrt{4}).$

$57525 := -75 + (5! + 5!)^2.$

$57624 := \sqrt{7^6} \times (5! + 4! \times 2).$

$57642 := 7 \times 6 + (5! \times \sqrt{4})^2.$

$57843 := 8! + 7^5 - 4 + 3!!.$

$57849 := (\sqrt{9})!! + 8! + 7^5 + \sqrt{4}.$

$58199 := (\sqrt{9})!! \times \sqrt{\sqrt{9^8}} - 5! - 1.$

$58319 := \sqrt{\sqrt{9^8}} \times 5! \times 3! - 1.$

$58329 := (9!/8!)^5 - (3 \times 2)!.$

$58368 := \sqrt{\sqrt{(8 \times 8)^6}} \times (5! - 3!).$

$58794 := -(\sqrt{9})! + 8! \times 7 \times 5/4!.$

$58929 := 9 \times \sqrt{9^8} - (\sqrt{5^2})!.$

$58935 := (9!/8!)^5 - 5! + 3!.$

$58959 := 9 \times \sqrt{9^8} - 5 + 5.$

$58968 := ((\sqrt{9})!! + 8) \times (86 - 5).$

$59013 := 9^5 - 3!^{1+0!}.$

$59023 := 9^5 - 3! - 20.$

$59024 := 9^5 - 4! - (2 \times 0)!.$

$59025 := 9^5 - (5 - 2 + 0!)!.$

$59029 := \sqrt{(9 \times 9)^5} - 20.$

$59032 := 9^5 + 3 - 20.$

$59035 := 9^5 - 5 \times 3 + 0!.$

$59039 := -9 + 9^5 - (3 \times 0)!.$

$59041 := 9^5 - 4 \times (1 + 0!).$

$59042 := 9^5 - 4 \times 2 + 0!.$

$59044 := 9^5 - 4 - 4^0.$

$59046 := (\sqrt{9} + 6)^5 - 4 + 0!.$

$59050 := 9^5 + (50 \times 0)!.$

$59051 := 9^5 + \sqrt{5 - 1} \times 0!.$

$59059 := 9 + 9^5 + (5 \times 0)!.$

$59099 := \sqrt{9} \times \sqrt{9^9} + 50.$

$59144 := 9^5 + 4 \times 4! - 1.$

$59145 := 9^5 + 5! - 4! \times 1.$

$59159 := -9 + 9^5 + 5! - 1.$

$59284 := 9!/8 + (5! - \sqrt{4})^2.$

$59289 := 9 \times \sqrt{9^8} + 5! \times 2.$

$59295 := (\sqrt{9})! + 9^5 + 5! \times 2.$

$59433 := 9^5 + 4^3 \times 3!.$

$59469 := -\sqrt{9} + 9!/6! \times (5! - \sqrt{4}).$

$59529 := (\sqrt{9})!! + 9^5 - 5! \times 2.$

$59542 := (\sqrt{9})! + (5! + 5! + 4)^2.$

$59554 := 9^5 - 5! + 5^4.$

$59617 := 9!/7 + 6^5 + 1.$

$59619 := (-\sqrt{9} + 9!/6!) \times (5! - 1).$

$59635 := 9!/6 - 5 - 5! - 3!!.$

$59637 := (9! - 7!)/(6!/5!) - 3.$

$59640 := 9!/6 - 5! - (4 - 0!)!!.$

$59643 := \sqrt{(\sqrt{9} - 6!/5)^4} \times 3.$

$59647 := (9! - 7!)/6 + 5 + \sqrt{4}.$

$59664 := 9!/6 - 6! - 5! + 4!.$

$59767 := -(\sqrt{9})!! + 7 + 7! \times \sqrt{6!/5}.$

$59768 := -(\sqrt{9})!! + 8 + 7! \times \sqrt{6!/5}.$

$59769 := 9 + (9! - 7!)/6 + 5!.$

$59796 := -(\sqrt{9})!! + (\sqrt{9} + 7!) \times \sqrt{6!/5}.$

$59808 := ((\sqrt{9})!! - 8) \times (85 - 0!).$

$59940 := 9!/(\sqrt{9})! - 540.$

$59968 := 9!/(\sqrt{9})! - \sqrt{8^{6!/5!}}.$

$59983 := \sqrt{9^9} + 8! - 5!/3!.$

$60359 := 9!/6 - 5! - (3 \times 0)!.$

$60396 := 9!/(6 \times 6!) \times (3!! - 0!).$

$60457 := 7! \times \sqrt{6!/5} - 4! + 0!.$

$60459 := 9!/6 - 5 \times 4 - 0!.$

$60469 := (9! - 66)/(4 - 0!)!.$

$60475 := 7! \times \sqrt{6!/5} - 4 - 0!.$

$60491 := 9!/6 + \sqrt{(4 + 1)! + 0!}.$

$60492 := 9!/6 + 4!/2 \times 0!.$

$60493 := 9!/6 + 4 \times 3 + 0!.$

$60495 := 9!/6 + 5 \times (4 - 0!).$

$60498 := 9 \times (8!/6 + \sqrt{4} \times 0!).$

$60539 := 9!/6 + \sqrt{5 \times 3!!} - 0!.$

$60593 := 9!/6 + 5! - 3! - 0!.$

$60594 := 9!/6 + 5! - (4 - 0!)!.$

$60595 := 9!/6 - 5 + 5! \times 0!.$

$60596 := (9! + 6!)/6 - 5 + 0!.$

$60696 := 9!/6 + \sqrt{6^6} \times 0!.$

$61056 := 6^6 + 5!^{1+0!}.$

$61439 := (9 + 6) \times 4^{3!} - 1.$

$61589 := (-\sqrt{9} + \sqrt{8^6}) \times (5! + 1).$

$61599 := (\sqrt{9} + 9)!/6^5 - 1.$

$61918 := (\sqrt{9})!! \times 86 - 1 - 1.$

$61958 := (\sqrt{9})! + \sqrt{8^6} \times (5! + 1).$

$62436 := (6! + 6) \times 43 \times 2.$

$62494 := -(\sqrt{9})! + (-6 + 4^4)^2.$

$62498 := (\sqrt{9} - 8)^6 \times 4 - 2.$

$62638 := 86 \times 6! + 3!! - 2.$

$62758 := 87 \times 6! + 5! - 2.$

$62997 := 9!/(\sqrt{9})! + (7! - 6)/2.$

$63468 := 86 \times (-6 + 4! + 3!!).$

$63485 := \sqrt{8^6} \times (5! + 4) - 3.$

$63504 := \sqrt{(6 + 5!)^4} \times (3 + 0!).$

$63529 := -9! + 653^2.$

$63648 := 8! + 6 \times (6^4 \times 3).$

$63990 := \sqrt{9} \times (-9 + 6!) \times 30.$

$64656 := 6^6 + 6! \times \sqrt{5^4}.$

$64728 := 87 \times (6! + (\sqrt{4^2})!).$

$64890 := (\sqrt{9})!!/8 \times (6! + 4^0).$

$65520 := (6 + 5!) \times 520.$

$65536 := (6/6 - 5)^{5+3}.$

$65856 := \sqrt{(8 + 6)^6} \times 5!/5.$

$65995 := (\sqrt{9})!! \times 96 - 5^5.$

$66528 := (8! + 6! - 6^5) \times 2.$

$66984 := 9 \times (8!/6 + 6!) + 4!.$

$67680 := 87 \times 6! + (6 + 0!)!.$

$67860 := 87 \times (6! + 60).$

$67986 := 9 \times ((8! + 7!)/6 - 6).$

$67995 := 9 \times (9 \times 7!/6 - 5).$

$68395 := (-\sqrt{9} + 8! + 6!) \times 5/3.$

$68400 := 8! + 6! \times (40 - 0!).$

$68496 := (9! + 8!)/6 + 6^4.$

$68800 := 8 \times 8600.$

$69024 := 96 \times ((4 + 2)! - 0!).$

$69120 := 96 \times (2 + 1 \times 0!)!!.$

$69121 := 96 \times (2 + 1)!! + 1.$

$69123 := 96 \times 3!! + 2 + 1.$

$69126 := 96 \times 6! + (2 + 1)!.$

$69129 := 9 + 96 \times (2 + 1)!!.$

$69216 := 96 \times (6! + 2 - 1).$

$69240 := (\sqrt{9})!!/6 \times (4!^2 + 0!).$

$69312 := 96 \times (3!! + 2 \times 1).$

$69336 := 96 \times 6! + 3!^3.$

$69384 := 98 \times (6! - 4 \times 3).$

$69385 := (9! - 8!)/6 + 5^{3!}.$

$69693 := -\sqrt{9} + 96 \times (6 + 3!!).$

$69743 := 97 \times (6! - 4 + 3).$

$69744 := 97 \times 6! - 4 \times 4!.$

$69774 := ((\sqrt{9})!^7 - 7!/6)/4.$

$69795 := -9 \times (\sqrt{9} \times 7 - 6^5).$

$69835 := 98 \times 6! - 5 - 3!!.$

$69864 := 98 \times 6! - 6! + 4!.$

$69872 := 98 \times (-7 + 6!) - 2.$

$69874 := -98 \times \left(7 - (\sqrt{\sqrt{6^4}})!\right).$

$69903 := 9 \times (-9 + 6^{3!-0!}).$

$69930 := 9 \times (-(\sqrt{9})! + 6^{3!-0!}).$

$69945 := -\sqrt{9} + 9 \times (6^5 - 4)$.
$69954 := (\sqrt{9})! + 9 \times (6^5 - 4)$.
$69957 := -\sqrt{9} + 97 \times 6! + 5!$.
$69975 := 9 \times ((\sqrt{9})! - 7 + 6^5)$.
$69990 := (\sqrt{9})! + 9 \times (\sqrt{9})!^{6-0!}$.
$70538 := (8! - 7^5) \times 3 - 0!$.
$70560 := 7! \times (\sqrt{6!/5} + 0! + 0!)$.
$70993 := -(\sqrt{9})!^{(\sqrt{9})!} + 7^{3!} \times 0!$.
$71300 := (-7 + 3!!) \times 100$.
$71569 := (9! - 7 \times 6!)/5 + 1$.
$71999 := (\sqrt{9})!! \times (\sqrt{9} + 97) - 1$.
$72448 := 8 \times 7! - \sqrt{\sqrt{4^{4!}}} \times 2$.
$72559 := (9! - 75)/5 - 2$.
$72576 := 7 \times (7! + 6!/5) \times 2$.
$72578 := (8 + 7/7)!/5 + 2$.
$73294 := 9!/(7 - \sqrt{4}) + 3!! - 2$.
$73359 := -9 + (7!/5!)^3 - 3!!$.
$73375 := 7 \times (-7! + 5^{3!}) - 3!!$.
$73968 := -(-\sqrt{9} + 8)! + (7 \times 6)^3$.
$74183 := (-8 + 7^4) \times 31$.
$74496 := 97 \times (6! + 4! + 4!)$.
$74549 := ((9! - 7!) \times 5 - 4!)/4!$.
$74904 := ((\sqrt{9})!! + 7^4) \times 4! \times 0!$.
$75597 := -\sqrt{9} + 7! \times 75/5$.
$75600 := 7! \times 6 \times 5/(0! + 0!)!$.
$75975 := (\sqrt{9} \times 7! + 75) \times 5$.
$76608 := -8! + 7^6 - 6! - 0!$.
$77378 := -8! + 7 \times 7 + 7^{3!}$.
$77398 := (-\sqrt{9} + 8)^7 - 7 - 3!!$.
$77739 := (9!/(7 + 7) - 7) \times 3$.
$78049 := (\sqrt{9})!! - 8! + 7^{(4-0!)!}$.
$78965 := (-\sqrt{9} + 8)^7 + 6! + 5!$.
$78975 := 9 \times 8775$.
$79374 := 9 \times 7 \times 7!/4 - 3!$.
$79380 := 9!/8 \times 7/(3 + 0!)$.
$79524 := ((\sqrt{9})! \times (-7 + 54))^2$.
$79822 := -(\sqrt{9})!! + (8! - 7^2) \times 2$.
$79893 := 99 \times (87 + 3!!)$.
$80340 := 8! \times \sqrt{4} - 300$.
$80384 := 8! + 8! - 4^{3+0!}$.
$80448 := 8 \times (8!/4 - 4! \times 0!)$.
$80468 := (8! - 86) \times \sqrt{4} \times 0!$.
$80496 := (9! + 8! - 6!)/(4 + 0!)$.
$80520 := (8! - 5!/2) \times (0! + 0!)$.
$80580 := 8! + 8! - 5!/(0! + 0!)$.
$80633 := 8! \times 6/3 - 3! - 0!$.
$80725 := (8! + 7!/5!) \times 2 + 0!$.
$80800 := (8! + 80) \times (0! + 0!)$.
$81327 := (8! + 7^3) \times 2 + 1$.
$82766 := (8! + \sqrt{7^6} + 6!) \times 2$.
$82942 := (9 \times 8 \times 4)^2 - 2$.
$83349 := 9 \times ((8 - 4)! - 3)^3$.
$83449 := (9 + 8)^4 - 4! \times 3$.
$83456 := \sqrt{8^6} \times (5! + 43)$.
$83494 := (9 + 8)^4 - 4! - 3$.
$83656 := -\sqrt{(8 + 6)^6} + 5! \times 3!!$.
$84075 := (8 + 7^5) \times (4 + 0!)$.
$84239 := (9 + 8)^4 + 3!! - 2$.
$84480 := 88 \times 4! \times 40$.
$84865 := 8! + 8! + \sqrt{65^4}$.
$84969 := 9 \times (\sqrt{9^8} + 6! \times 4)$.
$85264 := ((8 + 65) \times 4)^2$.
$85293 := \sqrt{9^8} \times (5 \times 3 - 2)$.
$85442 := (8! + (5 + \sqrt{4})^4) \times 2$.
$85465 := (-8 + 6!) \times 5! + \sqrt{5^4}$.
$85849 := \left(\sqrt{\sqrt{(\sqrt{9})!^8}} \times 8 + 5\right)^{\sqrt{4}}$.
$86315 := -86 + 5! \times 3!! + 1$.
$86319 := -\sqrt{\sqrt{9^8}} + 6! \times (3! - 1)!$.
$86355 := 8 + 6! \times 5! - 53$.
$86396 := (-\sqrt{9} \times 8 + 6! \times 6!)/3!$.
$86456 := 8!/6! + 6! \times 5 \times 4!$.
$86490 := (\sqrt{9})!!/8 + 6! \times (4 + 0!)!$.
$86735 := -8 + \sqrt{7^6} + 5! \times 3!!$.
$86996 := ((\sqrt{9})!! - \sqrt{9}) \times (8 + 6!)/6$.
$87364 := (8! \times (7 + 6) + 4!)/3!$.
$87366 := 8! \times (7 + 6)/6 + 3!$.
$87381 := (-8 + 8^7)/(3 + 1)!$.
$87384 := (-8 + 8^7)/4! + 3$.
$87595 := ((\sqrt{9})!! - 8 + 7^5) \times 5$.
$87843 := 8! + 8! + 7^4 \times 3$.
$87844 := 8! + (8 + 7!/4!)^{\sqrt{4}}$.
$88416 := 8! + 8! + 6^{4+1}$.
$88695 := -9 + 8! + 8! \times 6/5$.
$88704 := 88 \times 7!/(4 + 0!)$.
$88705 := 88 \times 7!/5 + 0!$.
$89373 := (\sqrt{9} \times 8 + 7)^3 \times 3$.
$89478 := (9 \times (8 + 8!) - 7!)/4$.
$89484 := (9! - 8!/8)/4 + 4!$.
$89984 := -(\sqrt{9})!! + (9! - 8 \times 8)/4$.
$89994 := -(\sqrt{9})!! - (\sqrt{9})! + 9!/(8 - 4)$.
$90144 := ((9!/4) - (4!^{1+0!}))$.
$91430 := 9!/4 + 3!! - 10$.
$91433 := 9!/4 + 3!! - 3! - 1$.
$91434 := (9! - 4!)/4 + 3!! \times 1$.
$91438 := (9! - 8)/4 + 3!! \times 1$.
$91439 := (\sqrt{9})!! + (9! - 4)/(3 + 1)$.
$91440 := 9!/4 + (-4 + 10)!$.
$91441 := 9!/4 + (4 - 1)!! + 1$.
$91442 := 9!/4 + \sqrt{4} + (2 + 1)!!$.
$91443 := 9!/4 + 4 + 3!! - 1$.
$91444 := 9!/4 + 4 + (4 - 1)!!$.
$91449 := 9 + 9!/4 + (4 - 1)!!$.
$91974 := -(\sqrt{9})! + (9! + 7!)/4 \times 1$.
$92254 := (\sqrt{9})! \times (5! + 4)^2 - 2$.
$92256 := (\sqrt{9})! \times (6 + 5! - 2)^2$.
$93184 := ((\sqrt{9})!! + 8) \times \sqrt{4^{3!+1}}$.
$93348 := \sqrt{\sqrt{(\sqrt{9})!^8}} + \sqrt{4} \times 3!^{3!}$.
$93366 := (9 + 6^6/3) \times 3!$.
$93562 := ((\sqrt{9})!^6 + 5^3) \times 2$.
$93795 := \sqrt{9} + (\sqrt{9})! \times (7 + 5^{3!})$.
$94494 := (9! + 9!/4! - 4!)/4$.
$94497 := (9! + \sqrt{9} \times (7! - 4))/4$.
$94536 := -(\sqrt{9})!! + \sqrt{(6 + 5!)^4} \times 3!$.
$94562 := ((\sqrt{9})!^6 + 5^4) \times 2$.
$94864 := ((9 - 86) \times 4)^{\sqrt{4}}$.
$94976 := (\sqrt{9} + 9)!/7! - 64$.
$95034 := -(\sqrt{9})! + (\sqrt{5! + 4!})!/(3! + 0!)!$.
$95040 := (\sqrt{(\sqrt{9})!!/5})!/((4-0!)! + 0!)!$.
$95043 := \sqrt{9} + \sqrt{5! + 4!}!/(3! + 0!)!$.
$95256 := (\sqrt{9})! \times (6 + (\sqrt{5 \times 5})!)^2$.
$95328 := (-(\sqrt{9})!! + 8!/5 \times 3!) \times 2$.
$95922 := (99 + 5!)^2 \times 2$.
$96984 := (9 + 9! \times 8/6!) \times 4!$.
$97344 := (((\sqrt{9})! + 7) \times 4!)^{-4+3!}$.
$97345 := 9 + (7!/5! + 4)^3$.
$97453 := (\sqrt{9})!! + 7 \times (-5 + 4!^3)$.
$97944 := 9!/9 + 7^4 \times 4!$.
$97963 := -\sqrt{9^9} + 7^6 - 3$.
$97964 := -\sqrt{9^9} + 7^6 - \sqrt{4}$.
$97966 := -\sqrt{9^9} + 7^{\sqrt{6 \times 6}}$.
$97969 := \sqrt{9} - \sqrt{9^9} + 7^6$.
$97973 := -\sqrt{9^9} + 7 + 7^{3!}$.
$98159 := ((\sqrt{9})!! + 98) \times 5! - 1$.
$98260 := \sqrt{(9 + 8)^6} \times 20$.
$98301 := \sqrt{9} \times (8^{3!-1} - 0!)$.
$98305 := \sqrt{9} \times 8^5 + (3 \times 0)!$.
$98328 := \sqrt{9} \times (8 + 8^{3+2})$.
$98385 := \sqrt{\sqrt{9^8}} + 8^5 \times 3$.
$98444 := ((\sqrt{9})! + 8^4) \times 4! - 4$.
$98598 := \sqrt{9} \times (98 + 8^5)$.
$98695 := (\sqrt{9^9} + 8!/6!) \times 5$.
$98892 := (\sqrt{9^9} \times 8 + 8!)/2$.
$99225 := (\sqrt{9} + (\sqrt{9})! \times 52)^2$.
$99720 := (-9 \times (\sqrt{9})! + 7!) \times 20$.
$99795 := \sqrt{9} + 99 \times 7!/5$.

## Acnowledgement

The author is thanful to T.J. Eckman, Georgia, USA (email: jee@jeek.net) in programming the script to develop these representations.

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