Received 02/04/15

Different Types of Pretty Wild Narcissistic Numbers: Selfie Representations – I

Inder J. Taneja[1]

Abstract. In this work, the numbers have been written in order of digits and their reverse, generally famous as "pretty wild narcissistic numbers". To write these numbers, the operations used are: *addition, subtraction, multiplication, potentiation, division, factorial, square-root.* For simplicity, these representations are named as *selfie numbers.* These representations have same digits on both sides of the expressions with the properties that, they are either in order of digits or in reverse order. The work is separated in different types, such as, Palindromic, Symmetrical consecutive, Sequential selfies, etc.

1. Introduction

An $n-$digit number that is the sum of the n^{th} powers of its digits is called an $n-$narcissistic number. It is also sometimes known as an Armstrong number, perfect digital invariant (Madachy 1979 [9]), or plus perfect number. Hardy in 1940 [7] (pg. 25) wrote, there are just four numbers, after unity, which are the sums of the cubes of their digits:

- $153 = 1^3 + 5^3 + 3^3$;
- $370 = 3^3 + 7^3 + 0^3$;
- $371 = 3^3 + 7^3 + 1^3$;
- $407 = 4^3 + 0^3 + 7^3$.

The above four numbers have the same digits on both sides except the power 3. In 1962, Madachy [9], pages 163-175, studied in more details above numbers. Later, many authors [8, 15, 16] came across in this direction and produced very interesting results. A good list of numbers having same digits on both sides of the expressions with the operations as *addition, subtraction, multiplication, potentiation* and *division* are called *Freidman numbers*, and can be seen at [5, 6]. In some situations, numbers having more operations like *square-root* , *factorial* etc., are named *"wild or pretty wild or radical narcissistic numbers"* [12, 13, 14]. These numbers are of type:

- $24 = (2 \times \sqrt{4})!$;
- $71 = \sqrt{7! + 1}$;
- $936 = (\sqrt{9}!)^3 + 6!$;
- $1296 = \sqrt{(1+2)!^9/6}$;
- $2896 = 2 \times (8 + (\sqrt{9})!! + 6!)$, etc.

These numbers are with digits on both sides, while narcissistic numbers have extra as a power on each numbers. Above representations are according to digits' order. Let us imagine the reverse way, i.e., to write numbers in reverse order of digits, for examples,

- $24 = \sqrt{(4!)^2}$;
- $71 = \sqrt{1 + 7!}$;
- $936 = 6! + (3!)^{\sqrt{9}}$;
- $1296 = 6^{(\sqrt{9}+2-1)}$;
- $2896 = (6! + (\sqrt{9})!! + 8) \times 2$.

The reverse order representations are not known in the literature and are written here for the first time. It is not necessary that every number has its representation. The aim of this work is to study extensively *"pretty wild or radical narcissistic numbers"* having the operations, *addition, subtraction, multiplication, potentiation, division, factorial and square-root* i.e., $\left[+\ ,\ -\ ,\ \times\ ,\ \hat{}\ ,\ /\ ,\ \sqrt{}\ ,\ !\right]$. These studies are made in both ways, i..e, following the order of digits of the numbers and reverse order, as specified above. For simplicity, we shall call these numbers as *"selfie numbers"*.

[1]*Formerly, Professor of Mathematics, Universidade Federal de Santa Catarina, 88.040-900 Florianópolis, SC, Brazil. e-mail: ijtaneja@gmail.com.*

2. Selfie Numbers

Instead calling *"pretty wild or radical narcissistic numbers"*, let us call them as *"selfie numbers* or *selfie representations"*, i.e., the numbers that can be represented by same digits with operations $\left[+\ ,\ -\ ,\ \times\ ,\ \hat{}\ ,\ /\ ,\ \sqrt{}\ ,\ !\right]$. Below are divides the different categories of *"selfie numbers"* followed by respective examples:

Type 1: In order of digits and reverse orders.

(i) $12969 = 1 \times 2 \times 9 \times 6! + 9.$
(ii) $20167 = 7 + (6 + 1 + 0!)!/2.$

The first example is in order of digits as of number and the second example is in reverse order of digits.

Type 2: Increasing and decreasing orders of digits.

(i) $573846 = -3!! - (\sqrt{4} - (5! - 6) \times 7! - 8).$
(ii) $241965 = (1 + (2 \times 4)! + 5) \times 6 + 9.$
(iii) $435609 = 9 + (6! - 5!/\sqrt{4})^{(3-0!)}.$
(iv) $13287456 = (8 + 76) \times (54^3 + (2 + 1)!!).$

The first two examples are in the increasing order of digits and the last two examples are in decreasing order of digits. In the first and forth examples, the digits are consecutive.

Type 3: Without any order.

(i) $34562 = 2 - (3 - 5) \times 6! \times 4!.$
(ii) $87369 = (3! + 7) \times 8!/6 + 9.$

Here we have same digits as of number but there is no order in their representations.

Type 4: Palindromic.

(i) $14641 = (1 + 4 + 6)^4 \times 1.$
(ii) $43634 = ((4!)^3 + 6!) \times 3 + \sqrt{4}.$

Here the numbers are palindromic.

Type 5: Factorian representations.

(i) $143 = -1! + 4! \times 3!.$
(ii) $144 = (1 + 4)! + 4!.$
(iiii) $145 = 1! + 4! + 5!.$
(iv) $40585 = 4! + 0! + 5! + 8! + 5!.$
(v) $80518 = 8! - 0! - 5! - 1! + 8!.$

This representation contain numbers with factorial expressions [3] on the left side.

Type 6: Symmetrical consecutive.

$72590 = 0 + 9!/5 + 2 \times 7.$
$72591 = 1 + 9!/5 + 2 \times 7.$
$72592 = 2 + 9!/5 + 2 \times 7.$
$72593 = 3 + 9!/5 + 2 \times 7.$
$72594 = 4 + 9!/5 + 2 \times 7.$
$72595 = 5 + 9!/5 + 2 \times 7.$
$72596 = 6 + 9!/5 + 2 \times 7.$
$72597 = 7 + 9!/5 + 2 \times 7.$
$72598 = 8 + 9!/5 + 2 \times 7.$
$72599 = 9 + 9!/5 + 2 \times 7.$

Here we have consecutive numbers represented in symmetrical way with same digits.

Type 7: Twin selfies.

$645879 = 4^5 \times (6 + 7!)/8 - 9.$
$645897 = 4^5 \times (6 + 7!)/8 + 9.$

$8469357 = 9 \times 8 \times (7^6 + 5 - 4!) - 3.$
$8479653 = 9 \times 8 \times (7^6 + 5! + 4) - 3.$

Type 8: Sequential selfies.

Here we shall give three examples of sequential representations. First two are on power of 5 and 6, while third example is connected with 0, 3 and 6.

- **Power of 5**

$$5^1 := 5 = 5^1.$$
$$5^2 := 25 = 5^2.$$
$$5^3 := 125 = 5^{2+1}.$$
$$5^4 := 625 = 5^{-2+6}.$$
$$5^5 := 3125 = 5^{2+1\times 3}.$$
$$5^6 := 15625 = 5^{(2\times 6-5-1)}.$$
$$5^7 := 78125 = 5^{2+\sqrt{18+7}}.$$
$$5^8 := 390625 = 5^{2+6+0\times 9\times 3}.$$
$$5^9 := 1953125 = 5^{2+\sqrt{1+3+5}+\sqrt{9}+1}.$$
$$5^{10} := 9765625 = 5^{2-6+5+(-6+7)\times 9}.$$
$$5^{11} := 48828125 = 5^{(2-1)^8-2+8+8-4}.$$
$$5^{12} := 244140625 = 5^{2\times 6+0\times 4\times 1\times 4\times 4\times 2}.$$
$$\dots$$
$$\dots$$

- **Power of 6**

$$6^1 := 6 = 6^1.$$
$$6^2 := 36 = 6 \times 3!.$$
$$6^3 := 216 = 6^{1+2}.$$
$$6^4 := 1296 = 6^{\sqrt{9}+2-1}.$$
$$6^5 := 7776 =$$
$$6^6 := 46656 = 6^{(5\times 6-6\times 4)}.$$
$$6^7 := 279936 = 6^{3!+9-\sqrt{9+7}\times 2};.$$
$$6^8 := 1679616 = 6^{1-69+76\times 1}.$$
$$6^9 := 10077696 = 6^{9+6\times 7\times 7\times 0\times 0\times 1}.$$
$$6^{10} := 60466176 = 6^{7-1-6+6+4+0\times 6}.$$
$$6^{11} := 362797056 = 6^{5\times 0\times 7\times 9\times 7+2+6+3}.$$
$$6^{12} := 2176782336 = 6^{3+3\times 2-8+7-6+7+1+2}.$$
$$\dots$$
$$\dots$$

In case of power of 6, we don't have all the representations, specially for 6^5, and for 6^2, the representation is different from others. The following example is little different. It gives sequential representation connecting the numbers 0, 3 and 6, except first one, i.e., only with 3 and 6:

- **3, 6 and 0**

$$36 := 3! \times 6.$$
$$360 := 3! \times 60.$$
$$3600 := 3! \times 600.$$
$$36000 := 3! \times 6000.$$
$$360000 := 3! \times 60000.$$
$$3600000 := 3! \times 600000.$$
$$36000000 := 3! \times 6000000.$$
$$\dots$$
$$\dots$$

In this paper, the aim is to find numbers from 10 to 99999 according to Types 1, 4, 5, and 6 (except Types 2, 3 and 7). The table below give the quantity of existing numbers that we are able to bring:

digits	Total numbers	Selfie numbers	%
2	90 (10-99)	8	8,89
3	900 (100-999)	66	7,33
4	9000 (1000-9999)	520	5,78
5	90000 (10000-99999)	5326	5,92

We observe that in case of 4 and 5 digits, we found approximately, 6% of numbers. In case of 6 digits, it is expected that there should be at least 50000 numbers. Its too much to put in a papers. This we shall deal elsewhere along with higher orders. If we relax the operations, *factorial* and *square-root* these possibilities reduces approximately to 10000. This work can be seen in [5] including the numbers based on Type 3.

In this paper, we worked with all types except Types 2, 3 and 7. The results connected with *"factorian type"* are jointly with Type 1. In Type 2, there are two kinds of representations, one in consecutive order and another in nonconsecutive order of digits. In both the situations, the representations are in increasing and decreasing orders of digits. Author's more work on numbers can be seen in [17, 18, 19, 20]. Some comments can be seen at [1, 2, 10, 11].

3. Selfie Representations of Palindromic Numbers

This section deals with the selfie representation of symmetric numbers known by Palindromic numbers. In 3 to 5 digits representations, we have very few numbers given below:

$343 := (3+4)^3$.
$595 := -5! + (\sqrt{9})!! - 5$.
$727 := (\sqrt{7+2})!! + 7$.

$1441 := 1 + \sqrt{4} \times (4-1)!!$.
$4334 := (\sqrt{4} + 3!!) \times 3! + \sqrt{4}$.

$14441 := (1+4)!^{\sqrt{4}} + 41$.
$14641 := (1+4+6)^4 \times 1$.
$23332 := (2^3 + 3!^{3!})/2$.
$37173 := 3^7 \times 17 - 3!$.
$38883 := -3!! \times \sqrt{\sqrt{8+8}} + 8! + 3$.
$38983 := -3! + 8! - (\sqrt{9}+8)^3$.
$43634 := (4!^3 + 6!) \times 3 + \sqrt{4}$.

$44544 := 4! \times 4 \times (5! - 4) \times 4$.
$44944 := (4 \times (49+4))^{\sqrt{4}}$.
$46464 := (4 + 6! + \sqrt{4}) \times 64$.
$46564 := 4! + 65 \times (6! - 4)$.
$46664 := 4!/6 + 6^6 + 4$.
$48384 := 4! \times 8 \times 3 \times 84$.
$48984 := (4+8) \times (\sqrt{9})!! + 8! + 4!$.
$59095 := 5 \times 9 + 0! + 9^5$.
$59295 := (5! + \sqrt{9}) \times 2 + 9^5$.
$59395 := (5! + 9 \times 3!!) \times 9 - 5$.
$64846 := 6 + 4^8 + 4! - 6!$.
$69696 := 6 + (9-6)!! \times 96$.
$86968 := 8! + 6^{(9-6)!} - 8$.

4. Symmetrical Consecutive Representations of Selfie Numbers

This section deals with the representations of numbers appearing in consecutive way. When the representations are in consecutive and symmetrical way, we shall call them as "Symmetrical consecutive" representations. These may be either digit's order or reverse or both. This is divide in three subsections. The first one is in both way, second one is in digit's orders and third subsection is in reverse order.

4.1. Symmetrical consecutive representations in both ways

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

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

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

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

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

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

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

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

$12960 := 1\times2\times9\times6!+0 = 0+6!\times9\times2\times1.$
$12961 := 1+2\times9\times6!\times1 = 1+6!\times9\times2\times1.$
$12962 := 1\times2+9\times6!\times2 = 2+6!\times9\times2\times1.$
$12963 := 1\times2\times9\times6!+3 = 3+6!\times9\times2\times1.$
$12964 := 1\times2\times9\times6!+4 = 4+6!\times9\times2\times1.$
$12965 := 1\times2\times9\times6!+5 = 5+6!\times9\times2\times1.$
$12966 := 1\times2\times9\times6!+6 = 6+6!\times9\times2\times1.$
$12967 := 1\times2\times9\times6!+7 = 7+6!\times9\times2\times1.$
$12968 := 1\times2\times9\times6!+8 = 8+6!\times9\times2\times1.$
$12969 := 1\times2\times9\times6!+9 = 9+6!\times9\times2\times1.$

$14400 := (1+4)!^{\sqrt{4}}+0+0 = 0+(0!+4)!^{\sqrt{4}}\times1.$
$14401 := (1+4)!^{\sqrt{4}}+0+1 = 1+(0!+4)!^{\sqrt{4}}\times1.$
$14402 := (1+4)!^{\sqrt{4}}+0+2 = 2+(0!+4)!^{\sqrt{4}}\times1.$
$14403 := (1+4)!^{\sqrt{4}}+0+3 = 3+(0!+4)!^{\sqrt{4}}\times1.$
$14404 := (1+4)!^{\sqrt{4}}+0+4 = 4+(0!+4)!^{\sqrt{4}}\times1.$
$14405 := (1+4)!^{\sqrt{4}}+0+5 = 5+(0!+4)!^{\sqrt{4}}\times1.$
$14406 := (1+4)!^{\sqrt{4}}+0+6 = 6+(0!+4)!^{\sqrt{4}}\times1.$
$14407 := (1+4)!^{\sqrt{4}}+0+7 = 7+(0!+4)!^{\sqrt{4}}\times1.$
$14408 := (1+4)!^{\sqrt{4}}+0+8 = 8+(0!+4)!^{\sqrt{4}}\times1.$
$14409 := (1+4)!^{\sqrt{4}}+0+9 = 9+(0!+4)!^{\sqrt{4}}\times1.$

$17280 := (-1+7)!\times(\sqrt{2\times8})!+0 = 0+(8/2)!\times(7-1)!.$
$17281 := (-1+7)!\times(\sqrt{2\times8})!+1 = 1+(8/2)!\times(7-1)!.$
$17282 := (-1+7)!\times(\sqrt{2\times8})!+2 = 2+(8/2)!\times(7-1)!.$
$17283 := (-1+7)!\times(\sqrt{2\times8})!+3 = 3+(8/2)!\times(7-1)!.$
$17284 := (-1+7)!\times(\sqrt{2\times8})!+4 = 4+(8/2)!\times(7-1)!.$
$17285 := (-1+7)!\times(\sqrt{2\times8})!+5 = 5+(8/2)!\times(7-1)!.$
$17286 := (-1+7)!\times(\sqrt{2\times8})!+6 = 6+(8/2)!\times(7-1)!.$
$17287 := (-1+7)!\times(\sqrt{2\times8})!+7 = 7+(8/2)!\times(7-1)!.$
$17288 := (-1+7)!\times(\sqrt{2\times8})!+8 = 8+(8/2)!\times(7-1)!.$
$17289 := (-1+7)!\times(\sqrt{2\times8})!+9 = 9+(8/2)!\times(7-1)!.$

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

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

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

$34560 := (3+45)\times6!+0 = 0+6!\times(5+43).$
$34561 := (3+45)\times6!+1 = 1+6!\times(5+43).$
$34562 := (3+45)\times6!+2 = 2+6!\times(5+43).$
$34563 := (3+45)\times6!+3 = 3+6!\times(5+43).$
$34564 := (3+45)\times6!+4 = 4+6!\times(5+43).$
$34565 := (3+45)\times6!+5 = 5+6!\times(5+43).$
$34566 := (3+45)\times6!+6 = 6+6!\times(5+43).$
$34567 := (3+45)\times6!+7 = 7+6!\times(5+43).$
$34568 := (3+45)\times6!+8 = 8+6!\times(5+43).$
$34569 := (3+45)\times6!+9 = 9+6!\times(5+43).$

$35280 := -(\sqrt{-3+52})!+8!+0 = 0+8!-(2\times5-3)!.$
$35281 := -(\sqrt{-3+52})!+8!+1 = 1+8!-(2\times5-3)!.$
$35282 := -(\sqrt{-3+52})!+8!+2 = 2+8!-(2\times5-3)!.$
$35283 := -(\sqrt{-3+52})!+8!+3 = 3+8!-(2\times5-3)!.$
$35284 := -(\sqrt{-3+52})!+8!+4 = 4+8!-(2\times5-3)!.$
$35285 := -(\sqrt{-3+52})!+8!+5 = 5+8!-(2\times5-3)!.$
$35286 := -(\sqrt{-3+52})!+8!+6 = 6+8!-(2\times5-3)!.$
$35287 := -(\sqrt{-3+52})!+8!+7 = 7+8!-(2\times5-3)!.$
$35288 := -(\sqrt{-3+52})!+8!+8 = 8+8!-(2\times5-3)!.$
$35289 := -(\sqrt{-3+52})!+8!+9 = 9+8!-(2\times5-3)!.$

$37440 := 3!!\times(7\times4+4!)+0 = 0+(4!+4\times7)\times3!!.$
$37441 := 3!!\times(7\times4+4!)+1 = 1+(4!+4\times7)\times3!!.$
$37442 := 3!!\times(7\times4+4!)+2 = 2+(4!+4\times7)\times3!!.$
$37443 := 3!!\times(7\times4+4!)+3 = 3+(4!+4\times7)\times3!!.$
$37444 := 3!!\times(7\times4+4!)+4 = 4+(4!+4\times7)\times3!!.$

$37445 := 3!! \times (7 \times 4 + 4!) + 5 = 5 + (4! + 4 \times 7) \times 3!!.$
$37446 := 3!! \times (7 \times 4 + 4!) + 6 = 6 + (4! + 4 \times 7) \times 3!!.$
$37447 := 3!! \times (7 \times 4 + 4!) + 7 = 7 + (4! + 4 \times 7) \times 3!!.$
$37448 := 3!! \times (7 \times 4 + 4!) + 8 = 8 + (4! + 4 \times 7) \times 3!!.$
$37449 := 3!! \times (7 \times 4 + 4!) + 9 = 9 + (4! + 4 \times 7) \times 3!!.$

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

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

$39600 := 3!! \times (9 \times 6 + 0!) + 0 = 0 + (0! + 6 \times 9) \times 3!!.$
$39601 := 3!! \times (9 \times 6 + 0!) + 1 = 1 + (0! + 6 \times 9) \times 3!!.$
$39602 := 3!! \times (9 \times 6 + 0!) + 2 = 2 + (0! + 6 \times 9) \times 3!!.$
$39603 := 3!! \times (9 \times 6 + 0!) + 3 = 3 + (0! + 6 \times 9) \times 3!!.$
$39604 := 3!! \times (9 \times 6 + 0!) + 4 = 4 + (0! + 6 \times 9) \times 3!!.$
$39605 := 3!! \times (9 \times 6 + 0!) + 5 = 5 + (0! + 6 \times 9) \times 3!!.$
$39606 := 3!! \times (9 \times 6 + 0!) + 6 = 6 + (0! + 6 \times 9) \times 3!!.$
$39607 := 3!! \times (9 \times 6 + 0!) + 7 = 7 + (0! + 6 \times 9) \times 3!!.$
$39608 := 3!! \times (9 \times 6 + 0!) + 8 = 8 + (0! + 6 \times 9) \times 3!!.$
$39609 := 3!! \times (9 \times 6 + 0!) + 9 = 9 + (0! + 6 \times 9) \times 3!!.$

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

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

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

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

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

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

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

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

$$46089 := \sqrt{4^6} \times (\sqrt{0! + 8})!! + 9 = 9 + (\sqrt{8 + 0!})!! \times 64.$$

$$46660 := 4!/6 + 6^6 + 0 = 0 + 6 + 6^6 - \sqrt{4}.$$
$$46661 := 4!/6 + 6^6 + 1 = 1 + 6 + 6^6 - \sqrt{4}.$$
$$46662 := 4!/6 + 6^6 + 2 = 2 + 6 + 6^6 - \sqrt{4}.$$
$$46663 := 4!/6 + 6^6 + 3 = 3 + 6 + 6^6 - \sqrt{4}.$$
$$46664 := 4!/6 + 6^6 + 4 = 4 + 6 + 6^6 - \sqrt{4}.$$
$$46665 := 4!/6 + 6^6 + 5 = 5 + 6 + 6^6 - \sqrt{4}.$$
$$46666 := 4!/6 + 6^6 + 6 = 6 + 6 + 6^6 - \sqrt{4}.$$
$$46667 := 4!/6 + 6^6 + 7 = 7 + 6 + 6^6 - \sqrt{4}.$$
$$46668 := 4!/6 + 6^6 + 8 = 8 + 6 + 6^6 - \sqrt{4}.$$
$$46669 := 4!/6 + 6^6 + 9 = 9 + 6 + 6^6 - \sqrt{4}.$$

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

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

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

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

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

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

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

$$80640 := 8! \times (0 + 6 - 4) + 0 = 0 + (-4 + 6) \times (0 + 8!).$$
$$80641 := 8! \times (0 + 6 - 4) + 1 = 1 + (-4 + 6) \times (0 + 8!).$$
$$80642 := 8! \times (0 + 6 - 4) + 2 = 2 + (-4 + 6) \times (0 + 8!).$$
$$80643 := 8! \times (0 + 6 - 4) + 3 = 3 + (-4 + 6) \times (0 + 8!).$$
$$80644 := 8! \times (0 + 6 - 4) + 4 = 4 + (-4 + 6) \times (0 + 8!).$$
$$80645 := 8! \times (0 + 6 - 4) + 5 = 5 + (-4 + 6) \times (0 + 8!).$$
$$80646 := 8! \times (0 + 6 - 4) + 6 = 6 + (-4 + 6) \times (0 + 8!).$$
$$80647 := 8! \times (0 + 6 - 4) + 7 = 7 + (-4 + 6) \times (0 + 8!).$$
$$80648 := 8! \times (0 + 6 - 4) + 8 = 8 + (-4 + 6) \times (0 + 8!).$$
$$80649 := 8! \times (0 + 6 - 4) + 9 = 9 + (-4 + 6) \times (0 + 8!).$$
$$81360 := 8! \times (-1 + 3) + 6! + 0 = 0 + 6! + (3 - 1) \times 8!.$$
$$81361 := 8! \times (-1 + 3) + 6! + 1 = 1 + 6! + (3 - 1) \times 8!.$$
$$81362 := 8! \times (-1 + 3) + 6! + 2 = 2 + 6! + (3 - 1) \times 8!.$$
$$81363 := 8! \times (-1 + 3) + 6! + 3 = 3 + 6! + (3 - 1) \times 8!.$$
$$81364 := 8! \times (-1 + 3) + 6! + 4 = 4 + 6! + (3 - 1) \times 8!.$$
$$81365 := 8! \times (-1 + 3) + 6! + 5 = 5 + 6! + (3 - 1) \times 8!.$$
$$81366 := 8! \times (-1 + 3) + 6! + 6 = 6 + 6! + (3 - 1) \times 8!.$$
$$81367 := 8! \times (-1 + 3) + 6! + 7 = 7 + 6! + (3 - 1) \times 8!.$$
$$81368 := 8! \times (-1 + 3) + 6! + 8 = 8 + 6! + (3 - 1) \times 8!.$$
$$81369 := 8! \times (-1 + 3) + 6! + 9 = 9 + 6! + (3 - 1) \times 8!.$$

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

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

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

4.2. Symmetrical consecutive representations in digit's order

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

$14410 := (1+4)!^{\sqrt{4}} + 10.$
$14411 := (1+4)!^{\sqrt{4}} + 11.$
$14412 := (1+4)!^{\sqrt{4}} + 12.$
$14413 := (1+4)!^{\sqrt{4}} + 13.$
$14414 := (1+4)!^{\sqrt{4}} + 14.$
$14415 := (1+4)!^{\sqrt{4}} + 15.$
$14416 := (1+4)!^{\sqrt{4}} + 16.$
$14417 := (1+4)!^{\sqrt{4}} + 17.$
$14418 := (1+4)!^{\sqrt{4}} + 18.$
$14419 := (1+4)!^{\sqrt{4}} + 19.$
$14420 := (1+4)!^{\sqrt{4}} + 20.$
$14421 := (1+4)!^{\sqrt{4}} + 21.$
$14422 := (1+4)!^{\sqrt{4}} + 22.$
$14423 := (1+4)!^{\sqrt{4}} + 23.$
$14424 := (1+4)!^{\sqrt{4}} + 24.$
$14425 := (1+4)!^{\sqrt{4}} + 25.$
$14426 := (1+4)!^{\sqrt{4}} + 26.$
$14427 := (1+4)!^{\sqrt{4}} + 27.$
$14428 := (1+4)!^{\sqrt{4}} + 28.$
$14429 := (1+4)!^{\sqrt{4}} + 29.$
$14430 := (1+4)!^{\sqrt{4}} + 30.$
$14431 := (1+4)!^{\sqrt{4}} + 31.$
$14432 := (1+4)!^{\sqrt{4}} + 32.$
$14433 := (1+4)!^{\sqrt{4}} + 33.$
$14434 := (1+4)!^{\sqrt{4}} + 34.$
$14435 := (1+4)!^{\sqrt{4}} + 35.$
$14436 := (1+4)!^{\sqrt{4}} + 36.$
$14437 := (1+4)!^{\sqrt{4}} + 37.$
$14438 := (1+4)!^{\sqrt{4}} + 38.$
$14439 := (1+4)!^{\sqrt{4}} + 39.$
$14440 := (1+4)!^{\sqrt{4}} + 40.$

$14441 := (1+4)!^{\sqrt{4}} + 41.$
$14442 := (1+4)!^{\sqrt{4}} + 42.$
$14443 := (1+4)!^{\sqrt{4}} + 43.$
$14444 := (1+4)!^{\sqrt{4}} + 44.$
$14445 := (1+4)!^{\sqrt{4}} + 45.$
$14446 := (1+4)!^{\sqrt{4}} + 46.$
$14447 := (1+4)!^{\sqrt{4}} + 47.$
$14448 := (1+4)!^{\sqrt{4}} + 48.$
$14449 := (1+4)!^{\sqrt{4}} + 49.$
$14450 := (1+4)!^{\sqrt{4}} + 50.$
$14451 := (1+4)!^{\sqrt{4}} + 51.$
$14452 := (1+4)!^{\sqrt{4}} + 52.$
$14453 := (1+4)!^{\sqrt{4}} + 53.$
$14454 := (1+4)!^{\sqrt{4}} + 54.$
$14455 := (1+4)!^{\sqrt{4}} + 55.$
$14456 := (1+4)!^{\sqrt{4}} + 56.$
$14457 := (1+4)!^{\sqrt{4}} + 57.$
$14458 := (1+4)!^{\sqrt{4}} + 58.$
$14459 := (1+4)!^{\sqrt{4}} + 59.$
$14460 := (1+4)!^{\sqrt{4}} + 60.$
$14461 := (1+4)!^{\sqrt{4}} + 61.$
$14462 := (1+4)!^{\sqrt{4}} + 62.$
$14463 := (1+4)!^{\sqrt{4}} + 63.$
$14464 := (1+4)!^{\sqrt{4}} + 64.$
$14465 := (1+4)!^{\sqrt{4}} + 65.$
$14466 := (1+4)!^{\sqrt{4}} + 66.$
$14467 := (1+4)!^{\sqrt{4}} + 67.$
$14468 := (1+4)!^{\sqrt{4}} + 68.$
$14469 := (1+4)!^{\sqrt{4}} + 69.$
$14470 := (1+4)!^{\sqrt{4}} + 70.$
$14471 := (1+4)!^{\sqrt{4}} + 71.$
$14472 := (1+4)!^{\sqrt{4}} + 72.$
$14473 := (1+4)!^{\sqrt{4}} + 73.$
$14474 := (1+4)!^{\sqrt{4}} + 74.$
$14475 := (1+4)!^{\sqrt{4}} + 75.$
$14476 := (1+4)!^{\sqrt{4}} + 76.$
$14477 := (1+4)!^{\sqrt{4}} + 77.$
$14478 := (1+4)!^{\sqrt{4}} + 78.$
$14479 := (1+4)!^{\sqrt{4}} + 79.$
$14480 := (1+4)!^{\sqrt{4}} + 80.$
$14481 := (1+4)!^{\sqrt{4}} + 81.$

$14482 := (1+4)!^{\sqrt{4}} + 82.$
$14483 := (1+4)!^{\sqrt{4}} + 83.$
$14484 := (1+4)!^{\sqrt{4}} + 84.$
$14485 := (1+4)!^{\sqrt{4}} + 85.$
$14486 := (1+4)!^{\sqrt{4}} + 86.$
$14487 := (1+4)!^{\sqrt{4}} + 87.$
$14488 := (1+4)!^{\sqrt{4}} + 88.$
$14489 := (1+4)!^{\sqrt{4}} + 89.$
$14490 := (1+4)!^{\sqrt{4}} + 90.$
$14491 := (1+4)!^{\sqrt{4}} + 91.$
$14492 := (1+4)!^{\sqrt{4}} + 92.$
$14493 := (1+4)!^{\sqrt{4}} + 93.$
$14494 := (1+4)!^{\sqrt{4}} + 94.$
$14495 := (1+4)!^{\sqrt{4}} + 95.$
$14496 := (1+4)!^{\sqrt{4}} + 96.$
$14497 := (1+4)!^{\sqrt{4}} + 97.$
$14498 := (1+4)!^{\sqrt{4}} + 98.$
$14499 := (1+4)!^{\sqrt{4}} + 99.$

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

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

$38440 := (3! + 8)^4 + 4! + 0.$
$38441 := (3! + 8)^4 + 4! + 1.$
$38442 := (3! + 8)^4 + 4! + 2.$

$38443 := (3! + 8)^4 + 4! + 3.$
$38444 := (3! + 8)^4 + 4! + 4.$
$38445 := (3! + 8)^4 + 4! + 5.$
$38446 := (3! + 8)^4 + 4! + 6.$
$38447 := (3! + 8)^4 + 4! + 7.$
$38448 := (3! + 8)^4 + 4! + 8.$
$38449 := (3! + 8)^4 + 4! + 9.$

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

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

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

$64800 := 6!^{\sqrt{4}}/8 + 0 + 0.$
$64801 := 6!^{\sqrt{4}}/8 + 0 + 1.$
$64802 := 6!^{\sqrt{4}}/8 + 0 + 2.$
$64803 := 6!^{\sqrt{4}}/8 + 0 + 3.$
$64804 := 6!^{\sqrt{4}}/8 + 0 + 4.$
$64805 := 6!^{\sqrt{4}}/8 + 0 + 5.$
$64806 := 6!^{\sqrt{4}}/8 + 0 + 6.$
$64807 := 6!^{\sqrt{4}}/8 + 0 + 7.$
$64808 := 6!^{\sqrt{4}}/8 + 0 + 8.$
$64809 := 6!^{\sqrt{4}}/8 + 0 + 9.$

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

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

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

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

$90540 := (9! - (0! + 5)!)/4 + 0.$
$90541 := (9! - (0! + 5)!)/4 + 1.$
$90542 := (9! - (0! + 5)!)/4 + 2.$
$90543 := (9! - (0! + 5)!)/4 + 3.$

$90544 := (9! - (0! + 5)!)/4 + 4.$
$90545 := (9! - (0! + 5)!)/4 + 5.$
$90546 := (9! - (0! + 5)!)/4 + 6.$
$90547 := (9! - (0! + 5)!)/4 + 7.$
$90548 := (9! - (0! + 5)!)/4 + 8.$
$90549 := (9! - (0! + 5)!)/4 + 9.$

$92160 := (\sqrt{9})!! \times 2^{1+6} + 0.$
$92161 := (\sqrt{9})!! \times 2^{1+6} + 1.$
$92162 := (\sqrt{9})!! \times 2^{1+6} + 2.$
$92163 := (\sqrt{9})!! \times 2^{1+6} + 3.$
$92164 := (\sqrt{9})!! \times 2^{1+6} + 4.$
$92165 := (\sqrt{9})!! \times 2^{1+6} + 5.$
$92166 := (\sqrt{9})!! \times 2^{1+6} + 6.$
$92167 := (\sqrt{9})!! \times 2^{1+6} + 7.$
$92168 := (\sqrt{9})!! \times 2^{1+6} + 8.$
$92169 := (\sqrt{9})!! \times 2^{1+6} + 9.$

4.3. Symmetrical consecutive representations in reverse order of digits

$7920 := 0 + (2 + 9)!/7!.$
$7921 := 1 + (2 + 9)!/7!.$
$7922 := 2 + (2 + 9)!/7!.$
$7923 := 3 + (2 + 9)!/7!.$
$7924 := 4 + (2 + 9)!/7!.$
$7925 := 5 + (2 + 9)!/7!.$
$7926 := 6 + (2 + 9)!/7!.$
$7927 := 7 + (2 + 9)!/7!.$
$7928 := 8 + (2 + 9)!/7!.$
$7929 := 9 + (2 + 9)!/7!.$

$13440 := 0 + (4 + 4)!/3 \times 1.$
$13441 := 1 + (4 + 4)!/3 \times 1.$
$13442 := 2 + (4 + 4)!/3 \times 1.$
$13443 := 3 + (4 + 4)!/3 \times 1.$
$13444 := 4 + (4 + 4)!/3 \times 1.$
$13445 := 5 + (4 + 4)!/3 \times 1.$
$13446 := 6 + (4 + 4)!/3 \times 1.$
$13447 := 7 + (4 + 4)!/3 \times 1.$
$13448 := 8 + (4 + 4)!/3 \times 1.$
$13449 := 9 + (4 + 4)!/3 \times 1.$
$13680 := 0 + (8! + 6!)/3 \times 1.$
$13681 := 1 + (8! + 6!)/3 \times 1.$
$13682 := 2 + (8! + 6!)/3 \times 1.$
$13683 := 3 + (8! + 6!)/3 \times 1.$
$13684 := 4 + (8! + 6!)/3 \times 1.$
$13685 := 5 + (8! + 6!)/3 \times 1.$
$13686 := 6 + (8! + 6!)/3 \times 1.$
$13687 := 7 + (8! + 6!)/3 \times 1.$
$13688 := 8 + (8! + 6!)/3 \times 1.$
$13689 := 9 + (8! + 6!)/3 \times 1.$

$15120 := 0 + 21 \times (5 + 1)!.$
$15121 := 1 + 21 \times (5 + 1)!.$
$15122 := 2 + 21 \times (5 + 1)!.$
$15123 := 3 + 21 \times (5 + 1)!.$
$15124 := 4 + 21 \times (5 + 1)!.$
$15125 := 5 + 21 \times (5 + 1)!.$
$15126 := 6 + 21 \times (5 + 1)!.$
$15127 := 7 + 21 \times (5 + 1)!.$
$15128 := 8 + 21 \times (5 + 1)!.$
$15129 := 9 + 21 \times (5 + 1)!.$

$20160 := 0 + (6 + 1 + 0!)!/2.$
$20161 := 1 + (6 + 1 + 0!)!/2.$
$20162 := 2 + (6 + 1 + 0!)!/2.$
$20163 := 3 + (6 + 1 + 0!)!/2.$
$20164 := 4 + (6 + 1 + 0!)!/2.$
$20165 := 5 + (6 + 1 + 0!)!/2.$
$20166 := 6 + (6 + 1 + 0!)!/2.$
$20167 := 7 + (6 + 1 + 0!)!/2.$
$20168 := 8 + (6 + 1 + 0!)!/2.$
$20169 := 9 + (6 + 1 + 0!)!/2.$

$23040 := 0 + (4 - 0!)!! \times 32.$
$23041 := 1 + (4 - 0!)!! \times 32.$
$23042 := 2 + (4 - 0!)!! \times 32.$
$23043 := 3 + (4 - 0!)!! \times 32.$
$23044 := 4 + (4 - 0!)!! \times 32.$
$23045 := 5 + (4 - 0!)!! \times 32.$
$23046 := 6 + (4 - 0!)!! \times 32.$
$23047 := 7 + (4 - 0!)!! \times 32.$
$23048 := 8 + (4 - 0!)!! \times 32.$
$23049 := 9 + (4 - 0!)!! \times 32.$

$23340 := 0 + (4! + 3!^{3!})/2.$
$23341 := 1 + (4! + 3!^{3!})/2.$
$23342 := 2 + (4! + 3!^{3!})/2.$
$23343 := 3 + (4! + 3!^{3!})/2.$
$23344 := 4 + (4! + 3!^{3!})/2.$
$23345 := 5 + (4! + 3!^{3!})/2.$
$23346 := 6 + (4! + 3!^{3!})/2.$
$23347 := 7 + (4! + 3!^{3!})/2.$
$23348 := 8 + (4! + 3!^{3!})/2.$
$23349 := 9 + (4! + 3!^{3!})/2.$

$26880 := 0 + 8 \times 8!/(6 \times 2).$
$26881 := 1 + 8 \times 8!/(6 \times 2).$
$26882 := 2 + 8 \times 8!/(6 \times 2).$
$26883 := 3 + 8 \times 8!/(6 \times 2).$
$26884 := 4 + 8 \times 8!/(6 \times 2).$
$26885 := 5 + 8 \times 8!/(6 \times 2).$
$26886 := 6 + 8 \times 8!/(6 \times 2).$
$26887 := 7 + 8 \times 8!/(6 \times 2).$
$26888 := 8 + 8 \times 8!/(6 \times 2).$
$26889 := 9 + 8 \times 8!/(6 \times 2).$

$33840 := 0 + 48 \times 3!! - 3!!.$
$33841 := 1 + 48 \times 3!! - 3!!.$
$33842 := 2 + 48 \times 3!! - 3!!.$
$33843 := 3 + 48 \times 3!! - 3!!.$
$33844 := 4 + 48 \times 3!! - 3!!.$
$33845 := 5 + 48 \times 3!! - 3!!.$
$33846 := 6 + 48 \times 3!! - 3!!.$
$33847 := 7 + 48 \times 3!! - 3!!.$
$33848 := 8 + 48 \times 3!! - 3!!.$
$33849 := 9 + 48 \times 3!! - 3!!.$

$38160 := 0 + (61 - 8) \times 3!!.$
$38161 := 1 + (61 - 8) \times 3!!.$
$38162 := 2 + (61 - 8) \times 3!!.$
$38163 := 3 + (61 - 8) \times 3!!.$
$38164 := 4 + (61 - 8) \times 3!!.$
$38165 := 5 + (61 - 8) \times 3!!.$
$38166 := 6 + (61 - 8) \times 3!!.$
$38167 := 7 + (61 - 8) \times 3!!.$
$38168 := 8 + (61 - 8) \times 3!!.$
$38169 := 9 + (61 - 8) \times 3!!.$

$39840 := 0 + 4! + 8! - 9!/3!!.$
$39841 := 1 + 4! + 8! - 9!/3!!.$
$39842 := 2 + 4! + 8! - 9!/3!!.$
$39843 := 3 + 4! + 8! - 9!/3!!.$
$39844 := 4 + 4! + 8! - 9!/3!!.$
$39845 := 5 + 4! + 8! - 9!/3!!.$
$39846 := 6 + 4! + 8! - 9!/3!!.$
$39847 := 7 + 4! + 8! - 9!/3!!.$
$39848 := 8 + 4! + 8! - 9!/3!!.$
$39849 := 9 + 4! + 8! - 9!/3!!.$

$40680 := 0 + 8! + 6!/\sqrt{0 + 4}.$
$40681 := 1 + 8! + 6!/\sqrt{0 + 4}.$
$40682 := 2 + 8! + 6!/\sqrt{0 + 4}.$
$40683 := 3 + 8! + 6!/\sqrt{0 + 4}.$
$40684 := 4 + 8! + 6!/\sqrt{0 + 4}.$
$40685 := 5 + 8! + 6!/\sqrt{0 + 4}.$
$40686 := 6 + 8! + 6!/\sqrt{0 + 4}.$
$40687 := 7 + 8! + 6!/\sqrt{0 + 4}.$
$40688 := 8 + 8! + 6!/\sqrt{0 + 4}.$
$40689 := 9 + 8! + 6!/\sqrt{0 + 4}.$

$43560 := 0 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43561 := 1 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43562 := 2 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43563 := 3 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43564 := 4 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43565 := 5 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43566 := 6 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43567 := 7 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43568 := 8 + (6! + 5! \times 3!!)/\sqrt{4}.$
$43569 := 9 + (6! + 5! \times 3!!)/\sqrt{4}.$

$53240 := 0 + (4! - 2)^3 \times 5.$
$53241 := 1 + (4! - 2)^3 \times 5.$
$53242 := 2 + (4! - 2)^3 \times 5.$
$53243 := 3 + (4! - 2)^3 \times 5.$
$53244 := 4 + (4! - 2)^3 \times 5.$
$53245 := 5 + (4! - 2)^3 \times 5..$
$53246 := 6 + (4! - 2)^3 \times 5.$

$53247 := 7 + (4! - 2)^3 \times 5.$
$53248 := 8 + (4! - 2)^3 \times 5.$
$53249 := 9 + (4! - 2)^3 \times 5.$

$53880 := 0 + 8! + 8!/3 + 5!.$
$53881 := 1 + 8! + 8!/3 + 5!.$
$53882 := 2 + 8! + 8!/3 + 5!.$
$53883 := 3 + 8! + 8!/3 + 5!.$
$53884 := 4 + 8! + 8!/3 + 5!.$
$53885 := 5 + 8! + 8!/3 + 5!.$
$53886 := 6 + 8! + 8!/3 + 5!.$
$53887 := 7 + 8! + 8!/3 + 5!.$
$53888 := 8 + 8! + 8!/3 + 5!.$
$53889 := 9 + 8! + 8!/3 + 5!.$

$57960 := 0 + 69 \times 7 \times 5!.$
$57961 := 1 + 69 \times 7 \times 5!.$
$57962 := 2 + 69 \times 7 \times 5!.$
$57963 := 3 + 69 \times 7 \times 5!.$
$57964 := 4 + 69 \times 7 \times 5!.$
$57965 := 5 + 69 \times 7 \times 5!.$
$57966 := 6 + 69 \times 7 \times 5!.$
$57967 := 7 + 69 \times 7 \times 5!.$
$57968 := 8 + 69 \times 7 \times 5!.$
$57969 := 9 + 69 \times 7 \times 5!.$

$59050 := 0 + (5 \times 0)! + 9^5.$
$59051 := 1 + (5 \times 0)! + 9^5.$
$59052 := 2 + (5 \times 0)! + 9^5.$
$59053 := 3 + (5 \times 0)! + 9^5.$
$59054 := 4 + (5 \times 0)! + 9^5.$
$59055 := 5 + (5 \times 0)! + 9^5.$
$59056 := 6 + (5 \times 0)! + 9^5.$
$59057 := 7 + (5 \times 0)! + 9^5.$
$59058 := 8 + (5 \times 0)! + 9^5.$
$59059 := 9 + (5 \times 0)! + 9^5.$

$69120 := 0 + (2 + 1)!! \times 96.$
$69121 := 1 + (2 + 1)!! \times 96.$
$69122 := 2 + (2 + 1)!! \times 96.$
$69123 := 3 + (2 + 1)!! \times 96.$
$69124 := 4 + (2 + 1)!! \times 96.$
$69125 := 5 + (2 + 1)!! \times 96.$
$69126 := 6 + (2 + 1)!! \times 96.$
$69127 := 7 + (2 + 1)!! \times 96.$
$69128 := 8 + (2 + 1)!! \times 96.$
$69129 := 9 + (2 + 1)!! \times 96.$

$72590 := 0 + 9!/5 + 2 \times 7.$
$72591 := 1 + 9!/5 + 2 \times 7.$
$72592 := 2 + 9!/5 + 2 \times 7.$
$72593 := 3 + 9!/5 + 2 \times 7.$
$72594 := 4 + 9!/5 + 2 \times 7.$
$72595 := 5 + 9!/5 + 2 \times 7.$
$72596 := 6 + 9!/5 + 2 \times 7.$
$72597 := 7 + 9!/5 + 2 \times 7.$
$72598 := 8 + 9!/5 + 2 \times 7.$
$72599 := 9 + 9!/5 + 2 \times 7.$

$80540 := 0 + \sqrt{4} \times (-50 + 8!).$
$80541 := 1 + \sqrt{4} \times (-50 + 8!).$
$80542 := 2 + \sqrt{4} \times (-50 + 8!).$
$80543 := 3 + \sqrt{4} \times (-50 + 8!).$
$80544 := 4 + \sqrt{4} \times (-50 + 8!).$
$80545 := 5 + \sqrt{4} \times (-50 + 8!).$
$80546 := 6 + \sqrt{4} \times (-50 + 8!).$
$80547 := 7 + \sqrt{4} \times (-50 + 8!).$
$80548 := 8 + \sqrt{4} \times (-50 + 8!).$
$80549 := 9 + \sqrt{4} \times (-50 + 8!).$

$$86400 := 0 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86401 := 1 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86402 := 2 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86403 := 3 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86404 := 4 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86405 := 5 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86406 := 6 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86407 := 7 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86408 := 8 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$
$$86409 := 9 + (0! + 4)! \times \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$$

5. Selfie Representations in Both Way, Order of Digits and Reverse

This section deals with the selfie representations of numbers. This we have divided in three subsections. The first one is in both orders, second one is in order of digits and third is in reverse order.

5.1. Selfie representations in both orders

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

$36 := 3! \times 6 = 6 \times 3!.$

$71 := \sqrt{7! + 1} = \sqrt{1 + 7!}.$

$119 := -1 + (-1 + (\sqrt{9})!)! = ((\sqrt{9})! - 1)! - 1.$

$143 := -1 + 4! \times 3! = 3! \times 4! - 1.$

$144 := (1 + 4)! + 4! = 4! + (4 + 1)!.$

$145 := 1 + 4! + 5! = 5! + 4! + 1.$

$216 := \sqrt{(2 + 1)!^6} = 6^{1+2}.$

$354 := 3 \times (5! - \sqrt{4}) = (-\sqrt{4} + 5!) \times 3.$

$355 := 3 \times 5! - 5 = -5 + 5! \times 3.$

$456 := 4 \times (5! - 6) = (-6 + 5!) \times 4.$

$693 := 6! - 9 \times 3 = -3 \times 9 + 6!.$

$713 := -7 + 1 \times 3!! = 3!! - 1 \times 7.$

$715 := (7 - 1)! - 5 = -5 + (-1 + 7)!.$

$733 := 7 + 3!! + 3! = 3! + 3!! + 7.$

$744 := (7 + 4!) \times 4! = 4! \times (4! + 7).$

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

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

$1392 := (-(1 + 3)! + (\sqrt{9})!!) \times 2 = 2 \times ((\sqrt{9})!! - (3 + 1)!).$

$1426 := -14 + 2 \times 6! = 62 \times (4! - 1).$

$1432 := 1 \times (-4 + 3!!) \times 2 = 2 \times (3!! - 4) \times 1.$

$1433 := -1 + \sqrt{4} \times (3!! - 3) = (3!! - 3) \times \sqrt{4} - 1.$

$1434 := (1 - 4 + 3!!) \times \sqrt{4} = \sqrt{4} \times (3!! - 4 + 1).$

$1435 := 1 \times \sqrt{4} \times 3!! - 5 = -5 + 3!! \times \sqrt{4} \times 1.$

$1439 := -1 + \sqrt{4} \times (-3 + 9)! = (9 - 3)! \times \sqrt{4} - 1.$

$1463 := -1 + 4! + 6! + 3!! = 3!! + 6! + 4! - 1.$

$1464 := 1 \times 4! + 6! \times \sqrt{4} = 4! + 6! \times \sqrt{4} \times 1.$

$1573 := (1 + 5!) \times (7 + 3!) = (3! + 7) \times (5! + 1).$

$1704 := (1 + 70) \times 4! = 4! \times (0 + 71).$

$2048 := 2^{(-0!+4+8)} = 8^4/(0 + 2).$

$2304 := \sqrt{(2 \times (3 + 0!)!)^4} = 4 \times (0! + 3)!^2.$

$2544 := (2 + 5)!/\sqrt{4} + 4! = 4! + (\sqrt{4} + 5)!/2.$

$2864 := \sqrt{2 \times 8} \times (6! - 4) = 4 \times 6! - 8 \times 2.$

$2896 := 2 \times (8 + (\sqrt{9})!! + 6!) = (6! + (\sqrt{9})!! + 8) \times 2.$

$2904 := ((2 + \sqrt{9})! + 0!) \times 4! = 4! \times (0! + (\sqrt{9} + 2)!).$

$2954 := 2 + (\sqrt{9} + 5!) \times 4! = 4! \times (5! + \sqrt{9}) + 2.$

$3125 := (3 + 1 \times 2)^5 = 5^{2+1\times 3}.$

$3354 := -3! + (3!! + 5!) \times 4 = 4 \times (5! + 3!!) - 3!.$

$3376 := -3!! + (-3 + 7)^6 = -6! + (7 - 3)^{3!}.$

$3444 := 3! \times (4!^{\sqrt{4}} - \sqrt{4}) = (4!^{\sqrt{4}} - \sqrt{4}) \times 3!.$

$3448 := 3! \times 4!^{\sqrt{4}} - 8 = -8 + 4!^{\sqrt{4}} \times 3!.$

$3453 := 3!! \times 4!/5 - 3 = 3!!/5 \times 4! - 3.$

$3455 := (3!! \times 4! - 5)/5 = 5 \times (-5 - 4! + 3!!).$

$3456 := 3!! \times 4/5 \times 6 = 6!/5 \times 4 \times 3!.$

$3459 := 3!! \times 4!/5 + \sqrt{9} = (\sqrt{9})!!/5 \times 4! + 3.$

$3465 := (-3 - 4! + 6!) \times 5 = 5 \times (6! - 4! - 3).$

$3495 := (3 - 4! + (\sqrt{9})!!) \times 5 = 5! + (-9 + 4!)^3.$

$3579 := 3!! \times 5 - 7 \times \sqrt{9} = -\sqrt{9} \times 7 + 5 \times 3!!.$

$3584 := 3!! \times 5 + 8 - 4! = -\sqrt{4} \times 8 + 5 \times 3!!.$

$3585 := (3!! + 5 - 8) \times 5 = 5 \times ((8 - 5)!! - 3).$

$3586 := 3!! \times 5 - 8 - 6 = -6 - 8 + 5 \times 3!!.$

$3589 := 3!! \times 5 - 8 - \sqrt{9} = -\sqrt{9} - 8 + 5 \times 3!!.$

$3591 := 3!! \times 5 - 9 \times 1 = -1 \times 9 + 5 \times 3!!.$

$3592 := 3!! \times 5 - (\sqrt{9})! - 2 = -2^{\sqrt{9}} + 5 \times 3!!.$

$3594 := 3!! \times 5 - \sqrt{9 \times 4} = (\sqrt{4 \times 9})! \times 5 - 3!.$

$3595 := (3!! + 5 - (\sqrt{9})!) \times 5 = 5 \times (-(\sqrt{9})! + 5 + 3!!).$

$3598 := 3! + 5 \times (\sqrt{9})!! - 8 = -8 + (\sqrt{9})!! \times 5 + 3!.$

$3599 := 3!! \times 5 - 9/9 = -9/9 + 5 \times 3!!.$

$3615 := (3 + 6!) \times 1 \times 5 = 5 \times 1 \times (6! + 3).$

$3625 := (3 + 6! + 2) \times 5 = 5 \times (2 + 6! + 3).$

$3636 := 3! \times (6 + 3!!) - 6! = 6 \times (3! + 6!) - 3!!.$

$3654 := (3! + 6!) \times 5 + 4! = 4! + 5 \times (6 + 3!!).$

$3655 := (3!! + 6 + 5) \times 5 = 5 \times (5 + 6 + 3!!).$

$3744 := -3!! + 7! - 4!^{\sqrt{4}} = -4!^{\sqrt{4}} + 7! - 3!!.$

$3755 := (3!! + 7) \times 5 + 5! = 5! + 5 \times (7 + 3!!).$

$3864 := 3 \times (-8 + 6^4) = -4! + \sqrt{6^8} \times 3.$

$3957 := -3 - 9 \times 5! + 7! = 7! - 5! \times 9 - 3.$

$3996 := (3!! - 9 \times (\sqrt{9})!) \times 6 = (6! - 9 \times (\sqrt{9})!) \times 3!.$

$4088 := 4^{(\sqrt{0!+8})!} - 8 = -8 + 8^{0+4}.$

$4093 := 4^{(\sqrt{0+9})!} - 3 = -3 + (9 - 0!)^4.$

$4094 := -\sqrt{4} + (-0! + 9)^4 = -\sqrt{4} + (9 - 0!)^4.$

$4096 := 4^{0\times 9+6} = (6!/90)^4.$

$4098 := \sqrt{4} + \sqrt{(-0! + 9)^8} = \sqrt{8!(9 - 0!)} + \sqrt{4}.$

$4099 := 4^{(\sqrt{0+9})!} + \sqrt{9} = \sqrt{9} + (9 - 0!)^4.$

$4176 := (-4! + (-1 + 7)!) \times 6 = 6 \times ((7 - 1)! - 4!).$

$4296 := (-4 + (2 \times \sqrt{9})!) \times 6 = 6 \times ((\sqrt{9} \times 2)! - 4).$

$4308 := (-\sqrt{4} + 3!!) \times (\sqrt{0! + 8})! = (\sqrt{8 + 0!})! \times (3!! - \sqrt{4}).$

$4314 := 4! \times (-1 + 3!!)/4 = 4! \times (3!! - 1)/4.$

$4316 := \sqrt{4} + (3!! - 1) \times 6 = 6 \times 1 \times 3!! - 4.$

$4317 := -4 - 3!! + 1 + 7! = 7! + 1 - 3!! - 4.$

$4318 := -\sqrt{4} + 3! \times (\sqrt{1 + 8})!! = (8 - 1)! - 3!! - \sqrt{4}.$

$4319 := (4 + 3)! - 1 - (\sqrt{9})!! = -(\sqrt{9})!! - 1 + (3 + 4)!.$

$4324 := 4 + 3! \times (2 + 4)! = (4 + 2) \times 3!! + 4.$

$4332 := (\sqrt{4} + 3!!) \times 3 \times 2 = (2 + 3!!) \times 3 \times \sqrt{4}.$

$4336 := -\sqrt{4} + 3! \times (3 + 6!) = 6 \times (3 + 3!!) - \sqrt{4}.$

$4337 := (4 + 3!!) \times 3! - 7 = -7 + 3! \times (3!! + 4).$

$4344 := 4! \times (3!! + 4)/4 = 4! \times (4 + 3!!)/4.$

$4346 := \sqrt{4} + 3! \times (4 + 6!) = 6 \times (4 + 3!!) + \sqrt{4}.$

$4368 := \sqrt{4} \times 3 \times (6! + 8) = (8 + 6!) \times 3 \times \sqrt{4}.$

$4464 := 4! \times (4! + 6!)/4 = 4! \times (6! + 4!)/4.$

$4466 := 6 \times (6! + 4!) + \sqrt{4} = \sqrt{4} + (4! + 6!) \times 6.$

$4816 := 4^{(\sqrt{\sqrt{81}})!} + 6! = 6! + 1 \times 8^4.$

$4944 := (\sqrt{49})! - 4 \times 4! = -4 \times 4! + (9 - \sqrt{4})!.$

$4977 := (-\sqrt{4} + (\sqrt{9})!! - 7) \times 7 = \sqrt{(7! - 7 \times 9)^{\sqrt{4}}}.$

$4995 := (\sqrt{49})! - 9 \times 5 = -5 \times 9 + (9 - \sqrt{4})!.$

$5016 := -(5 - 0!)! + (1 + 6)! = (6 + 1)! - (-0! + 5)!.$

$5017 := -(5 - 0!)! + 1 + 7! = 7! + 1 - (-0! + 5)!.$

$5027 := -\sqrt{5! + 0!} - 2 + 7! = 7! - 2 - \sqrt{0! + 5!}.$

$5029 := -\sqrt{5! + 0!} + (-2 + 9)! = (9 - 2)! - \sqrt{0! + 5!}.$

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

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

$5037 := 5 \times 0 - 3 + 7! = 7! - 3 + 0/5.$

$5039 := 5 + (0! + 3!)! - (\sqrt{9})! = -(\sqrt{9})! + (3! + 0!)! + 5.$

$5064 := ((5 \times 0)! + 6)! + 4! = 4! + (6 + (0/5)!)!.$

$5184 := \sqrt{(5 + 1)^8} \times 4 = 4! + (8 - 1)! + 5!.$

$5275 := 5! \times 2 + 7! - 5 = -5 + 7! + 2 \times 5!.$

$5395 := -(5! - 3!!) \times 9 - 5 = -5 + 9 \times (3!! - 5!).$

$5397 := 5! \times 3 - \sqrt{9} + 7! = 7! - \sqrt{9} + 3 \times 5!.$

$5568 := (-5!/5 + 6!) \times 8 = 8 \times (6! - 5!/5).$

$5637 := -5! + 6! - 3 + 7! = 7! - 3 + 6! - 5!.$

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

$5875 := 5! + 8!/7 - 5 = 5! \times \sqrt{\sqrt{7^8}} - 5.$

$6399 := ((6 - 3)!! - 9) \times 9 = 9 \times (-9 + (\sqrt{36})!).$

$6476 := 6! - 4 + 7! + 6! = 6! + 7! - 4 + 6!.$

$6494 := (6! + \sqrt{4}) \times 9 - 4 = -4 + 9 \times (\sqrt{4} + 6!).$

$6696 := \sqrt{6^6} + 9 \times 6! = 6! \times 9 + \sqrt{6^6}.$

$6719 := -(6 - (7 + 1)!)/(\sqrt{9})! = (-(\sqrt{9})! + (1 + 7)!)/6.$

$6768 := (6 + 7!/6) \times 8 = 8 \times (6 + 7!/6).$

$6835 := (6! + 8!)/3! - 5 = -5 + (3!! + 8!)/6.$

$6839 := (6! + 8! - 3!)/(\sqrt{9})! = ((\sqrt{9})!! - 3! + 8!)/6.$

$6859 := (6 + 8 + 5)^{\sqrt{9}} = \sqrt{((\sqrt{9})! + 5 + 8)^6}.$

$6864 := (6! + 8!)/6 + 4! = 4! \times 6 + 8!/6.$

$7056 := (7 - 0!)^5 - 6! = 6^5 - (-0! + 7)!.$

$7193 := -7 + (1 + 9) \times 3!! = 3!! \times (9 + 1) - 7.$

$7199 := 7! - 1 + \sqrt{9} \times (\sqrt{9})!! = \sqrt{9} \times (\sqrt{9})!! - 1 + 7!.$

$7235 := (7 + 2 \times 3!!) \times 5 = 5 \times (3!! \times 2 + 7).$

$7595 := 7 \times (5 + 9 \times 5!) = (5 + 9 \times 5!) \times 7.$

$7944 := 7! + (\sqrt{9})!! \times 4 + 4! = 4! + (\sqrt{4} + 9)!/7!.$

$8192 := 8^{1+\sqrt{9}} \times 2 = 2^{9+1} \times 8.$

$8632 := -8 + 6! \times 3! \times 2 = 2 \times 3! \times 6! - 8.$

$8648 := 8 + 6! \times (4 + 8) = (8 + 4) \times 6! + 8.$

$9372 := -(\sqrt{9})!! + (3! + 7!) \times 2 = 2 \times (7! + 3!) - (\sqrt{9})!!.$

$9595 := (\sqrt{9})!! \times 5!/9 - 5 = -5 + (\sqrt{9})!! \times 5!/9.$

$9599 := ((\sqrt{9})!! \times 5! - 9)/9 = (-9 + (\sqrt{9})!! \times 5!)/9.$

$9972 := (-9 \times (\sqrt{9})! + 7!) \times 2 = 2 \times (7! - 9 \times (\sqrt{9})!).$

$10067 := -1 + (0! + 0!) \times (-6 + 7!) = (7! - 6) \times (0! + 0!) - 1.$

$10073 := -1 + (0! + 0!) \times (7! - 3) = (-3 + 7!) \times (0! + 0!) - 1.$

$10074 := (1 + 0!) \times (0! + 7! - 4) = (-4 + 7! + 0!) \times (0! + 1).$

$10075 := (1 + 0!) \times (0 + 7)! - 5 = -5 + 7! \times (0 + 0! + 1).$

$10076 := (1 + 0!) \times (0! + 7!) - 6 = -6 + (7! + 0!) \times (0! + 1).$

$10077 := -\sqrt{10 - 0!} + 7! + 7! = 7! + 7! - 0! - 0! - 1.$

$10079 := (1 + 0!) \times (0! + 7!) - \sqrt{9} = (\sqrt{9})!! \times 7 \times (0! + 0!) - 1.$

$10097 := -1 + (0! + 0!) \times (9 + 7!) = (7! + 9) \times (0! + 0!) - 1.$

$10368 := (1 + 0!)^3 \times \sqrt{6^8} = 8 \times 6^{3+0+1}.$

$10795 := -1 + (-0! + 7)! \times \sqrt{9} \times 5 = 5 \times (\sqrt{9} \times (7 - 0!)! - 1).$

$10798 := -1 - 0! + 7! + (\sqrt{9})!! \times 8 = 8 \times (\sqrt{9})!! + 7! - 0! - 1.$

$10799 := -1 + (-0! + 7 + 9) \times (\sqrt{9})!! = (\sqrt{9})!! \times (9 + 7 - 0!) - 1.$

$11344 := (-11 + 3!!) \times 4 \times 4 = 4 \times 4 \times (3!! - 11).$

$11519 := (\sqrt{9})!! \times (15 + 1) - 1 = -1 + (15 + 1) \times (\sqrt{9})!!.$

$11528 := (1 + (1 + 5)! \times 2) \times 8 = 8 \times (2 \times (5 + 1)! + 1).$

$11544 := 1 \times (1 + 5! \times 4) \times 4! = 4! \times (4 \times 5! + 1) \times 1.$

$11664 := 1 \times 1 \times 6^6/4 = ((4! - 6) \times 6)^{1+1}.$

$11957 := 11 \times (9 \times 5! + 7) = (7 + 5! \times 9) \times 11.$

$12274 := ((1 + 2)!! + 2) \times (-7 + 4!) = (4! - 7) \times (2 + (2 + 1)!!).$

$12288 := (1 + 2)! \times 2^{8 \times 8} = 8^{8/2} \times (2 + 1).$

$12289 := 1 + (2 \times 2)! \times 8^{\sqrt{9}} = \sqrt{9} \times 8^{(2^2)} + 1.$

$12294 := (1 + 2)! + 2^9 \times 4! = (4^{(\sqrt{9})!} + 2) \times (2 + 1).$

$12544 := \sqrt{(-12 + 5! + 4)^4} = (-4 - 4 + 5!)^2 \times 1.$

$12599 := -1 + 25 \times 9!/(\sqrt{9})!! = 9!/(\sqrt{9})!! \times 5^2 - 1.$

$12923 := -1 + 2 \times 9 \times (-2 + 3!!) = (3!! - 2) \times 9 \times 2 - 1.$

$12933 := (1 + 2) \times (-9 + 3! \times 3!!) = (3! \times 3!! - 9) \times (2 + 1).$

$12959 := -1 + 2 \times 9 \times 5! \times (\sqrt{9})! = 9!/(5! - 92) - 1.$

$12974 := ((1 + 2)!! \times 9 + 7) \times \sqrt{4} = \sqrt{4} \times (7 + 9 \times (2 + 1)!!).$

$12975 := (1 + 2) \times (-(\sqrt{9})!! + 7! + 5) = (5 + 7! - (\sqrt{9})!!) \times (2 + 1).$

$12993 := (-1 + (2 + (\sqrt{9})!!) \times (\sqrt{9})!) \times 3 = 3 \times ((\sqrt{9})! \times ((\sqrt{9})!! + 2) - 1).$

$12994 := (-1 + (2 + (\sqrt{9})!!) \times 9) \times \sqrt{4} = \sqrt{4} \times (9 \times ((\sqrt{9})!! + 2) - 1).$

$12996 := 1 \times (2 + (\sqrt{9})!!) \times \sqrt{9} \times 6 = 6 \times \sqrt{9} \times ((\sqrt{9})!! + 2) \times 1.$

$13199 := -1 + (-3!! + (-1 + 9)!)/\sqrt{9} = (-(\sqrt{9})!! + (9 - 1)!)/3 - 1.$

$13392 := ((1 + 3)! + 3!!) \times 9 \times 2 = 2 \times (\sqrt{9})!^3 \times 31.$

$13433 := -1 - 3! + (\sqrt{4^3})!/3 = -3! + (3! + \sqrt{4})!/3 - 1.$

$13435 := (1 + 3 + 4)!/3 - 5 = -5 + (3! + \sqrt{4})!/3 \times 1.$

$13439 := ((1 + 3 + 4)! - 3)/\sqrt{9} = 9!/(3^4/3) - 1.$

$13454 := 1 - 3 + (-4 + 5!)^{\sqrt{4}} = (-4 + 5!)^{\sqrt{4}} - 3 + 1.$

$13537 := 1 + 3!^5 + 3!! + 7! = 7! + 3!^5 + 3!! + 1.$

$13555 := (-1 - 3! + 5!) \times 5! - 5 = -5 + 5! \times (5! - 3! - 1).$

$13557 := -1 \times 3 + 5! \times (5! - 7) = (-7 + 5!) \times 5! - 3 \times 1.$

$13566 := ((1 + 3)! - 5) \times (6! - 6) = (-6 + 6!) \times (-5 + (3 + 1)!).$

$13661 := (13 + 6) \times (6! - 1) = (-1 + 6!) \times (6 \times 3 + 1).$

$13679 := -1 + 3!! \times (6 + 7 + (\sqrt{9})!) = (\sqrt{9})!! \times (7 + 6 + 3!) - 1.$

$13822 := \sqrt{(1 + 3)!^{8-2}} - 2 = -2 + (\sqrt{2 \times 8})!^3 \times 1.$

$13823 := -1 + \sqrt{(3 \times 8)^{2 \times 3}} = (32 - 8)^3 - 1.$

$13824 := 1 \times (3 \times 8)^2 \times 4! = (-4 + 28)^3 \times 1.$

$13825 := 1 + (3 \times 8)^{(-2+5)} = ((5 - 2) \times 8)^3 + 1.$

$13829 := -1 + 3! + (8/2)!^{\sqrt{9}} = (\sqrt{9})! + (\sqrt{2 \times 8})!^3 - 1.$

$13924 := \sqrt{((-1-3+9)!-2)^4} = (\sqrt{4}-(2+\sqrt{9})!)^{3-1}.$

$14335 := (-1+4\times(-3+3!!))\times 5 = 5\times((3!!-3)\times 4-1).$

$14352 := 1\times 4!\times(3!!-5!-2) = (-2-5!+3!!)\times 4!\times 1.$

$14359 := -1+(-\sqrt{4}+3!!)\times 5!/(\sqrt{9})! = (\sqrt{9})!!\times 5!/3!-41.$

$14365 := (-1+4\times 3!!-6)\times 5 = 5\times(-6+3!!\times 4-1).$

$14376 := -1\times 4!+3\times 7!-6! = -6!+7!\times 3-4!\times 1.$

$14395 := (-1+4\times(-3+9)!)\times 5 = 5\times((9-3)!\times 4-1).$

$14397 := 1-4+(-3!!+\sqrt{9}\times 7!) = 7!\times\sqrt{9}-3!!-4+1.$

$14399 := -1+(4+3)!\times\sqrt{9}-(\sqrt{9})!! = ((\sqrt{9})!!/(9-3))^{\sqrt{4}}-1.$

$14515 := (1+4)!\times(5!+1)-5 = 5!\times(1+5!)-4-1.$

$14543 := -1+(\sqrt{4+5})!!+4!^3 = 3!\times 4!+5!^{\sqrt{4}}-1.$

$14544 := (1+4)!+5!^{\sqrt{4}}+4! = 4!^{\sqrt{4+5}}+(4-1)!!.$

$14545 := 1+4!+5!^{\sqrt{4}}+5! = 5!^{\sqrt{4}}+5!+4!+1.$

$14567 := -1+4!\times(-5!+6!+7) = (7+6!-5!)\times 4!-1.$

$14637 := (1-4!+6!)\times 3\times 7 = 7\times 3\times(6!-4!+1).$

$14753 := -1+(-\sqrt{4}+7!-5!)\times 3 = 3\times(-5!+7!-\sqrt{4})-1.$

$14754 := (-1+4)\times(7!-5!-\sqrt{4}) = (-\sqrt{4}-5!+7!)\times(4-1).$

$14755 := (-1+4)\times(7!-5!)-5 = -5+(-5!+7!)\times(4-1).$

$14759 := 1-\sqrt{4}+(7!-5!)\times\sqrt{9} = (\sqrt{9}+5!)\times(7-\sqrt{4})!-1.$

$14905 := (1+4)^{(\sqrt{9})!}-(0!+5)! = 5^{(\sqrt{0+9})!}-(4-1)!!.$

$14973 := -1\times(49-7!)\times 3 = 3\times(7!-9)-(4+1)!.$

$14975 := -1-4!+\sqrt{9}\times 7!-5! = -5!+7!\times\sqrt{9}-4!-1.$

$14993 := -1+(4!-\sqrt{9})\times((\sqrt{9})!!-3!) = (3!-(\sqrt{9})!!)\times(\sqrt{9}-4!)-1.$

$14994 := -14\times 9+9!/4! = (4!-\sqrt{9})\times((\sqrt{9})!!-(4-1)!).$

$14997 := -(1+4)!-\sqrt{9}+\sqrt{9}\times 7! = 7!\times\sqrt{9}-\sqrt{9}\times 41.$

$15093 := ((\sqrt{-1+50})!-9)\times 3 = -3\times(9-(0!+5+1)!).$

$15097 := 1-(5-0!)!+\sqrt{9}\times 7! = 7!\times\sqrt{9}+0!-(5-1)!.$

$15117 := (1-(5-1))\times(1-7!) = (7!-1)\times(-1+5-1).$

$15119 := -1+(5+1+1)!\times\sqrt{9} = 9!/(\sqrt{1+15})!-1.$

$15232 := (-1+5!)\times 2^{3!}\times 2 = 2^{3!}\times 2\times(5!-1).$

$15237 := -1+5!-2+3\times 7! = 7!\times 3-2+5!-1.$

$15273 := (-1+52+7!)\times 3 = 3\times((\sqrt{7^2})!+51).$

$15279 := (1+52+7!)\times\sqrt{9} = \sqrt{9}\times(7!+2+51).$

$15359 := -1+5!\times(3+5^{\sqrt{9}}) = (\sqrt{9}+5^3)\times 5!-1.$

$15367 := (1+5!)\times(3!!/6+7) = (7+6!/3!)\times(5!+1).$

$15473 := -1+(5!-\sqrt{4}+7!)\times 3 = 3\times(7!-\sqrt{4}+5!)-1.$

$15479 := (1+5!)\times\sqrt{4^7}-9 = (9+(7-\sqrt{4})!)\times 5!-1.$

$15488 := (1+5!)\times\sqrt{4}\times 8\times 8 = 88^{\sqrt{4}}\times\sqrt{5-1}.$

$15505 := 1\times 5^{5+0!}-5! = 5^{0!+5}-5!\times 1.$

$15552 := (15/5)!^5\times 2 = (-2+5)!^5\times\sqrt{5-1}.$

$15564 := ((1+5)^5+6)\times\sqrt{4} = \sqrt{4}\times(6^5+5+1).$

$15585 := 1\times(5^5-8)\times 5 = 5\times(-8+5^5)\times 1.$

$15589 := (-1+5!)\times(5!+8+\sqrt{9}) = (\sqrt{9}+8+5!)\times(5!-1).$

$15595 := 1\times(5^5-(\sqrt{9})!)\times 5 = 5^{(\sqrt{9})!}-5\times(5+1).$

$15609 := (1+5!)\times((6-0!)!+9) = (9+(-0!+6)!)\times(5!+1).$

$15619 := 1+5^6-1-(\sqrt{9})! = ((\sqrt{9})!-1)^6-5-1.$

$15623 := 1+5^{\sqrt{6^2}}-3 = (3+2)^6-\sqrt{5-1}.$

$15624 := 1+5^6+2-4 = (\sqrt{4^2})!\times 651.$

$15625 := 1\times 5^{(6+2-5)!} = 5^{(2\times 6-5-1)}.$

$15627 := -1+5^6+\sqrt{2+7} = (7-2)^6+\sqrt{5-1}.$

$15649 := 1\times 5^6+4\times(\sqrt{9})! = (9-4)^6+(5-1)!.$

$15654 := 1\times 5^6+5+4! = 4!+5^6+5\times 1.$

$15655 := 1\times 5\times(6+5^5) = (5^5+6)\times 5\times 1.$

$15745 := 1\times 5^{(7-4)!}+5! = 5!+(\sqrt{4}-7)^{5+1}.$

$15763 := \sqrt{1+5!}\times(-7+6!+3!!) = (3!!+6!-7)\times\sqrt{5!+1}.$

$15864 := (-1-58+6!)\times 4! = 4!\times(6!-8-51).$

$15928 := \sqrt{1+5!}\times((\sqrt{9})!!\times 2+8) = (8+2\times(\sqrt{9})!!)\times\sqrt{5!+1}.$

$15939 := \sqrt{1+5!}\times(9^3+(\sqrt{9})!!) = (9^3+(\sqrt{9})!!)\times\sqrt{5!+1}.$

$15967 := (1+5!+\sqrt{9}\times 6!)\times 7 = 7\times(6!\times\sqrt{9}+5!+1).$

$16345 := (-1+6)^{3!}+(\sqrt{4+5})!! = \sqrt{5^{4\times 3}}+6!\times 1.$

$16346 := 1+6!+(3+\sqrt{4})^6 = 6!+(\sqrt{4}+3)^6+1.$

$16377 := (1+6-3)^7-7 = -7+(7-3)^{6+1}.$

$16384 := 16^3\times(8-4) = \sqrt{48/3}^{6+1}.$

$16464 := -1\times 6!+(-4+6!)\times 4! = 4!\times(6!-4)-6!\times 1.$

$16537 := (-1+6!)\times(5\times 3!-7) = (-7+3!\times 5)\times(6!-1).$

$16559 := -1-6!+(5!/5)\times(\sqrt{9})!! = (\sqrt{9})!!/5\times 5!-6!-1.$

$16564 := -1-6!+5+6!\times 4! = 4!\times 6!+5-6!-1.$

$16807 := \sqrt{(1+6)^8}\times(0+7) = 7^{(0/8+6-1)}.$

$16944 := (-1+6!-9-4)\times 4! = 4!\times(-4-9+6!-1).$

$16945 := 1+(6!-9)\times 4!-5! = -5!+4!\times(-9+6!)+1.$

$16992 := (\sqrt{16})!\times((\sqrt{9})!!-(\sqrt{9})!\times 2) = 2\times((\sqrt{9})!!+(\sqrt{9})!^{(6-1)}).$

$17039 := -1+\sqrt{7!+0!}\times 3!!/\sqrt{9} = (\sqrt{9})!!/3\times\sqrt{0!+7!}-1.$

$17064 := (-1-7-0!+6!)\times 4! = 4!\times(6!-0!-7-1).$

$17136 := (\sqrt{17-1})!\times(3!!-6) = (6!-3!)\times(\sqrt{17-1})!.$

$17232 := ((1+7)/2)!\times(3!!-2) = (-2+3!)!\times(-2+(7-1)!).$

$17248 := (-1+(\sqrt{7+2})!!)\times 4!-8 = -8+(4!\times((\sqrt{2+7})!!-1)).$

$17253 := \sqrt{1+7!}\times(2\times 5!+3) = 3\sqrt{5^2}\times 71.$

$17264 := -(1+7)\times 2+6!\times 4! = 4!\times 6!-2\times(7+1).$

$17274 := 1-7+(\sqrt{2+7})!!\times 4! = 4!\times(\sqrt{7+2})!!-7+1.$

$17279 := -1+(7+2)!/(7\times\sqrt{9}) = 9!/(7+2\times 7)-1.$

$17294 := 1\times 7\times 2+(\sqrt{9})!!\times 4! = 4!\times(\sqrt{9})!!+2\times 7\times 1.$

$17296 := (1+7)\times(2+\sqrt{9}\times 6!) = (6!\times\sqrt{9}+2)\times(7+1).$

$17303 := -1+(7-3)!\times(0!+3!!) = (3!!+0!)\times(-3+7)!-1.$

$17304 := (1^7+3!!+0)\times 4! = 4\times(0!+3!!)\times(7-1).$

$17329 := 1+(7-3)!\times(2+(\sqrt{9})!!) = ((\sqrt{9})!!+2)\times(-3+7)!+1.$

$17346 := ((-1+7)!+3)\times 4!-6 = -6+(4!\times(3+(7-1)!)).$

$17349 := ((-1+7)!+3)\times 4!-\sqrt{9} = -\sqrt{9}+4!\times(3+(7-1)!).$

$17351 := \sqrt{1+7!}+3!!\times(5-1)! = (-1+5)!\times 3!!+71.$

$17395 := (5+(\sqrt{9})!!/3)\times 71 = \sqrt{1+7!}\times(3!!/\sqrt{9}+5).$

$17424 := \sqrt{((-1+7)\times(4!-2))^4} = 4!\times(2+4+(7-1)!).$

$17449 := 1+7\times 4!+4!\times(\sqrt{9})!! = (\sqrt{9})!!\times 4!+4!\times 7+1.$

$17496 := (-1+7)\times 4\times\sqrt{9^6} = (6\times\sqrt{9})^4/(7-1).$

$17527 := 1\times 7^5+(\sqrt{2+7})!! = 7^{\sqrt{25}}+(7-1)!.$

$17925 := ((-1+7)!-\sqrt{9})\times 25 = 5\times(2^9\times 7+1).$

$17994 := 1-7+(\sqrt{9})!!+(\sqrt{9})!!\times 4! = 4!\times(\sqrt{9})!!+(\sqrt{9})!!-7+1.$

$17995 := (1 + (\sqrt{7+9})!) \times (\sqrt{9})!! - 5 = -5 + (\sqrt{9})!! \times ((\sqrt{9+7})! + 1).$

$17997 := (-1 + 7! - (\sqrt{9})!!) \times \sqrt{9} + 7! = 7! - \sqrt{9} \times ((\sqrt{9})!! - 7! + 1).$

$18025 := ((\sqrt{1+8})!! + 0!) \times 25 = 5^2 \times (0! + (\sqrt{\sqrt{81}})!!).$

$18642 := (-\sqrt{1+8} + 6!) \times (4! + 2) = (2 + 4!) \times (6! - \sqrt{\sqrt{81}}).$

$18963 := \sqrt{(18+9)^6} - 3!! = -3!! + (-6+9)^{\sqrt{81}}.$

$18969 := \sqrt{(1+8)^9} - 6! + (\sqrt{9})! = (\sqrt{9})! - 6! + \sqrt{9^{\sqrt{81}}}.$

$19344 := ((1 + \sqrt{9})! + 3!!) \times (4! + \sqrt{4}) = (4! + \sqrt{4}) \times (3!! + (\sqrt{9} + 1)!).$

$19368 := 1 \times 9 \times (3 \times 6! - 8) = (-8 + 6! \times 3) \times 9 \times 1.$

$19395 := 1 \times 9 \times 3 \times (\sqrt{9})!! - 5 = (-5 + \sqrt{9} \times 3!!) \times 9 \times 1.$

$19413 := (-1 + (\sqrt{9})!!) \times (4-1)^3 = (31 - 4) \times ((\sqrt{9})!! - 1).$

$19433 := -1 + (\sqrt{9} + 4!) \times 3!! - 3! = 3!! \times (3 + 4!) - (\sqrt{9})! - 1.$

$19435 := (-1 + (\sqrt{9})!^4) \times 3 \times 5 = 5 \times (3!^4 \times \sqrt{9} - 1).$

$19436 := -1 - \sqrt{9} + (4! + 3) \times 6! = 6! \times (3 + 4!) - \sqrt{9} - 1.$

$19439 := -1 + (\sqrt{9 \times 4})! \times 3 \times 9 = 9 \times 3 \times (\sqrt{4 \times 9})! - 1.$

$19441 := 1 + (\sqrt{9} + 4!) \times (4-1)!! = (-1 + 4 + 4!) \times (\sqrt{9})!! + 1.$

$19443 := (1 + 9 \times (4 + \sqrt{4})!) \times 3 = 3 \times ((4 + \sqrt{4})! \times 9 + 1).$

$19447 := -1 - (\sqrt{9})!! + 4 \times (\sqrt{4} + 7!) = (7! + \sqrt{4}) \times 4 - (\sqrt{9})!! - 1.$

$19449 := (1 + \sqrt{9} \times (4 + \sqrt{4})!) \times 9 = 9 \times ((4 + \sqrt{4})! \times \sqrt{9} + 1).$

$19464 := 1 \times (\sqrt{9} + 4!) \times 6! + 4! = 4! \times 6! + 4! \times 91.$

$19467 := (1 + (\sqrt{9})!!) \times \sqrt{\sqrt{4} + 6! + 7} = \sqrt{7 + 6! + \sqrt{4}} \times ((\sqrt{9})!! + 1).$

$19493 := -1 + ((\sqrt{9})!! + \sqrt{4}) \times 9 \times 3 = 3 \times 9 \times (\sqrt{4} + (\sqrt{9})!!) - 1.$

$19494 := 1 \times (\sqrt{9} + 4!) \times ((\sqrt{9})!! + \sqrt{4}) = (4! + \sqrt{9}) \times (\sqrt{4} + (\sqrt{9})!!) \times 1.$

$19683 := 1 \times (9-6)^8 \times 3 = 3^8 \times 6/(\sqrt{9} - 1).$

$19684 := 1 + \sqrt{\sqrt{9^{6+8+4}}} = (-4!/8 + 6)^9 + 1.$

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

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

$20144 := (((2 + 0!)! + 1)! - 4) \times 4 = 4 \times (-4 + (1 + (0! + 2)!)!).$

$20157 := -2 - 0! + (-1 + 5) \times 7! = 7! \times (5 - 1) - 0! - 2.$

$20184 := (2^{0!+1})! + 8!/\sqrt{4} = 4! + 8!/(1 \times 0 + 2).$

$20455 := (\sqrt{2^{0+4!}} - 5) \times 5 = 5 \times (-5 + 4^{(0!+2)!}).$

$20495 := (\sqrt{2^{0+4!}} + \sqrt{9}) \times 5 = 5 \times (\sqrt{9} + 4^{(0!+2)!}).$

$20734 := -2 + (-0! + 7 + 3!)^4 = \sqrt{(4 \times 3)^{7+0!}} - 2.$

$21456 := (2+1)! \times (-4! + 5 \times 6!) = (6! \times 5 - 4!) \times (1+2)!.$

$21575 := (-(2+1)!! - 5 + 7!) \times 5 = 5 \times (7! - 5 - (1+2)!!).$

$21595 := 2 \times 15 \times (\sqrt{9})!! - 5 = -5 + (\sqrt{9})!! \times 5 \times (1+2)!.$

$21596 := 2 + (-1 + 5 \times (\sqrt{9})!!) \times 6 = 6 \times ((\sqrt{9})!! \times 5 - 1) + 2.$

$21597 := -2 - 1 + 5 \times (-(\sqrt{9})!! + 7!) = (7! - (\sqrt{9})!!) \times 5 - 1 - 2.$

$21599 := -2 + 1 + 5 \times (\sqrt{9})! \times (\sqrt{9})!! = (\sqrt{9})!! \times (\sqrt{9})! \times 5 + 1 - 2.$

$21605 := ((2+1)! \times 6! + 0!) \times 5 = 5 \times (0! + 6 \times (1+2)!!).$

$22968 := (2 \times 2)! \times (-\sqrt{9} - 6!) + 8! = 8! - (6! + \sqrt{9}) \times (2 \times 2)!.$

$22984 := (2 + (-2 + (\sqrt{9})!!) \times 8) \times 4 = 4 \times (8 \times ((\sqrt{9})!! - 2) + 2).$

$23035 := (2 + 30) \times 3!! - 5 = -5 + 3!! \times (0 + 32).$

$23038 := -2 + (3 + 0!) \times 3!! \times 8 = 8 \times (3 + 0!) \times 3!! - 2.$

$23064 := (2 + 30) \times 6! + 4! = 4! + 6! \times (0 + 32).$

$23136 := 2^{3!-1} \times (3 + 6!) = (6! + 3) \times 1 \times 32.$

$23323 := -2 + 3!^{3!}/2 - 3 = -3 - 2 + 3!^{3!}/2.$

$23324 := (2 \times 3)^{3!}/2 - 4 = -4 + (2 \times 3)^{3!}/2.$

$23325 := 2 + 3!^{3!}/2 - 5 = -5 + 2 + 3!^{3!}/2.$

$23326 := -2 + 3!^{3!}/\sqrt{-2+6} = 6^{2+3} \times 3 - 2.$

$23328 := (2 \times 3^3)^2 \times 8 = (8-2)^{3+3}/2.$

$23329 := -2 + 3!^{3!}/2 + \sqrt{9} = \sqrt{9} - 2 + 3!^{3!}/2.$

$23334 := 2 \times (3 + 3!^{3!}/4) = (4 \times 3 + 3!^{3!})/2.$

$23392 := (2 + 9^3) \times 32 = 2^{3!} + 3!^{(\sqrt{9})!}/2.$

$23424 := (2 \times 3!! + 4!) \times 2^4 = 4^2 \times (4! + 3!! \times 2).$

$23664 := (-2 + 36) \times (6! - 4!) = (-4! + 6!) \times (6 \times 3! - 2).$

$23694 := (-2 + (\sqrt{36})!) \times (9 + 4!) = (4! + 9) \times ((6-3)!! - 2).$

$23755 := -2 \times 3!! + 7! \times 5 - 5 = -5 + 5 \times 7! - 3!! \times 2.$

$23758 := -2 + 3!! \times (-7 + 5 \times 8) = (8 \times 5 - 7) \times 3!! - 2.$

$23856 := (\sqrt{2^{3 \times 8}} - 5!) \times 6 = 6 \times (-5! + 8^{3!-2}).$

$24276 := (2 + 4!^2) \times 7 \times 6 = 6 \times 7 \times (2 + 4!^2).$

$24336 := (2 + 4!) \times (3!^3 + 6!) = ((6 + 33) \times 4)^2.$

$24384 := (2^{4+3!} - 8) \times 4! = 4! \times (8^3 - 4) \times 2.$

$24476 := 2 \times (-\sqrt{4} + (4! - 7) \times 6!) = (6! \times (-7 + 4!) - \sqrt{4}) \times 2.$

$24576 := (-2 + 4)^{5+7} \times 6 = 6 \times (7 - 5)^{4!/2}.$

$24594 := 2 \times (-4! + (5! - 9)^{\sqrt{4}}) = (-4! + (9 - 5!)^{\sqrt{4}}) \times 2.$

$24624 := (2^{4+6} + 2) \times 4! = 4! \times (2^{6+4} + 2).$

$24975 := (-2 \times 4! + \sqrt{9} + 7!) \times 5 = 5 \times (7! - \sqrt{9} - 42).$

$25075 := (-25 + (0 + 7)!) \times 5 = 5 \times (7! + 0 - 5^2).$

$25165 := ((2+5)! - 1 - 6) \times 5 = 5 \times (6! - 1) \times (5 + 2).$

$25167 := 2 + 5 \times ((1+6)! - 7) = (7! - 6 - 1) \times 5 + 2.$

$25173 := -2 + 5 \times (1 + 7! - 3!) = (-3! + 7! + 1) \times 5 - 2.$

$25174 := -4! + 7! \times 1 \times 5 - 2 = -2 + 5 \times 1 \times 7! - 4!.$

$25175 := 25 \times (-1 + 7!/5) = 5 \times 7! - 1 \times 5^2.$

$25183 := -2 + 5 \times ((-1+8)! - 3) = (-3 + (8-1)!) \times 5 - 2.$

$25185 := (2 - 5 + (-1+8)!) \times 5 = 5 \times ((8-1)! - 5 + 2).$

$25187 := 2 + 5 \times (-\sqrt{1+8} + 7!) = (7! - \sqrt{\sqrt{81}}) \times 5 + 2.$

$25189 := -2 + 5 \times (-1+8)! - 9 = -9 + (8-1)! \times 5 - 2.$

$25192 := 2 + 5 \times ((1 + (\sqrt{9})!)! - 2) = (-2 + ((\sqrt{9})! + 1)!) \times 5 + 2.$

$25194 := -2 + 5 \times (1 + (\sqrt{9})!)! - 4 = -4 + ((\sqrt{9})! + 1)! \times 5 - 2.$

$25195 := ((2+5)! - 1^9) \times 5 = -5 + ((\sqrt{9})! - 1) \times (5+2)!.$

$25196 := 2 + 5 \times (1 + (\sqrt{9})!)! - 6 = -6 + ((\sqrt{9})! + 1)! \times 5 + 2.$

$25197 := 2 - 5 \times (1^9 - 7!) = 7! \times ((\sqrt{9})! - 1) - 5 + 2.$

$25198 := -2 + 5 \times (-1^9 + 8)! = 8!/(9-1) \times 5 - 2.$

$25199 := 2 + 5 \times (1 + (\sqrt{9})!)! - \sqrt{9} = -\sqrt{9} + ((\sqrt{9})! + 1)! \times 5 + 2.$

$25205 := ((\sqrt{25} + 2)! + 0!) \times 5 = 5 \times (0! + (\sqrt{25} + 2)!).$

$25207 := 2 + 5 \times ((2 \times 0)! + 7!) = (7! + 0!) \times \sqrt{25} + 2.$

$25208 := -2 + 5 \times (2 + (-0! + 8)!) = ((8 - 0!)! + 2) \times 5 - 2.$

$25215 := ((2+5)! + 2 + 1) \times 5 = 5 \times (1 + 2 + (5+2)!).$

$25217 := 2 + 5 \times (2 + 1 + 7!) = (7! + 1 + 2) \times 5 + 2.$

$25335 := ((2+5)! + 3^3) \times 5 = 5 \times (3^3 + (5+2)!).$

$25337 := 2 + 5 \times (3^3 + 7!) = (7! + 3^3) \times 5 + 2.$

$25375 := (2^5 + 3 + 7!) \times 5 = 5 \times (7! + \sqrt{35^2}).$

$25758 := -2 + 5 \times (7! + 5! - 8) = (-8 + 5! + 7!) \times 5 - 2.$

$25775 := (2 + 5! - 7 + 7!) \times 5 = 5 \times (7! - 7 + 5! + 2).$

$25795 := (2 + 5! + 7! - \sqrt{9}) \times 5 = 5 \times (-\sqrt{9} + 7! + 5! + 2).$

$25798 := -2 + (5! + 7!) \times (-\sqrt{9} + 8) = (8 - \sqrt{9}) \times (7! + 5!) - 2.$

$25918 := -2 - 5!^{\sqrt{9}-1} + 8! = (\sqrt{81})!/(9 + 5) - 2.$

$25932 := (-2 + 5)! \times ((\sqrt{9})! \times 3!! + 2) = (2 + 3! \times (\sqrt{9})!!) \times (5 - 2)!.$

$25944 := (2 + 5! \times 9) \times 4! - 4! = 4! + 4 \times 9 \times (5 - 2)!!.$

$25945 := 25 + 9 \times 4! \times 5! = 5! \times 4! \times 9 + 5^2.$

$25968 := (-2 + 5)! \times ((\sqrt{9})! \times 6! + 8) = (8 + 6 \times (\sqrt{9})!!) \times (5 - 2)!.$

$25992 := 2 \times (5! - 9 + \sqrt{9})^2 = 2 \times (\sqrt{9} - 9 + 5!)^2.$

$25994 := 2 + (5! \times 9 + \sqrt{9}) \times 4! = 4! \times (\sqrt{9} + 9 \times 5!) + 2.$

$26244 := (2 \times (6/2)^4)^{\sqrt{4}} = (4 \times 42 - 6)^2.$

$26354 := 2 + 6^3 \times (5! + \sqrt{4}) = (\sqrt{4} + 5!) \times \sqrt{3!^6} + 2.$

$26494 := (2 + 6)! - 4!^{\sqrt{9}} - \sqrt{4} = (\sqrt{4^{\sqrt{9}}})! - \sqrt{4!^6} - 2.$

$26496 := (2 + 6)! - 4!^{9-6} = 69 \times (4! + 6!/2).$

$26864 := (2 - 6 + 8!/6) \times 4 = 4 \times (-6 + 8!/6 + 2).$

$26868 := 2 \times (-6 - 8!/6) + 8! = 8! - (6 + 8!/6) \times 2.$

$26892 := 2 \times (\sqrt{9} + 8!/6) \times 2 = 2 \times 6 + 8!/\sqrt{9} \times 2.$

$26894 := 2 + 6 \times (8!/9 + \sqrt{4}) = 4 \times (\sqrt{9} + 8!/6) + 2.$

$27646 := 2 \times (-7 + 6 + \sqrt{4!^6}) = (6 + \sqrt{4!^6} - 7) \times 2.$

$27648 := 2^7 \times 6^{4!/8} = \sqrt{8^4} \times 6 \times 72.$

$27744 := 4! + (4 + 7) \times 7!/2 = \sqrt{(27 + 7)^4} \times 4!.$

$28224 := (2 + 82)^2 \times 4 = 42^2 \times 8 \times 2.$

$28559 := -2 + (8 + 5)^{(-5+9)} = \sqrt{(\sqrt{9} + 5 + 5)^8} - 2.$

$28795 := (2 + 8!/7 - \sqrt{9}) \times 5 = -5 - 9!/7 + 8! \times 2.$

$28798 := -2 - 8!/7 \times (\sqrt{9} - 8) = 8! - 9!/7 + 8! - 2.$

$28805 := ((-2 + 8)! \times 8 + 0!) \times 5 = 5 \times (0! + 8 \times (8 - 2)!).$

$28896 := \left(\sqrt{2^{(\sqrt{8+8})!}} + (\sqrt{9})!!\right) \times 6 = 6 \times ((\sqrt{9})!! + 8^{8/2}).$

$29374 := -2 - (\sqrt{9})!! + 3! \times (7! - 4!) = (-4! + 7!) \times 3! - (\sqrt{9})!! - 2.$

$29376 := (-(-2 + (\sqrt{9})!)! \times 3! + 7!) \times 6 = 6 \times (7! - (3 + 9)^2).$

$29476 := -2 + (\sqrt{9})! \times \sqrt{(4! - 7)^6} = 6 \times (-7 + 4!)^{\sqrt{9}} - 2.$

$29496 := ((-2 + 9)! - 4) \times (\sqrt{9})! - 6! = -6! + (\sqrt{9})! \times (-4 + (9 - 2)!).$

$29518 := -2 + (\sqrt{9})! \times (-5! + (-1 + 8)!) = 8! - 15 \times (\sqrt{9})!! - 2.$

$29576 := 2 + (9 - 5! + 7!) \times 6 = 6 \times (7! - 5! + 9) + 2.$

$29584 := \sqrt{(-2 + \sqrt{9} \times 58)^4} = (4 \times (8 \times 5 + \sqrt{9}))^2.$

$29791 := ((-2 + (\sqrt{9})!)! + 7)^{\sqrt{9}} \times 1 = \sqrt{(1 + \sqrt{9})! + 7)^{\sqrt{9} \times 2}}.$

$29976 := (-2 + (-(\sqrt{9})! + (\sqrt{9})!!) \times 7) \times 6 = 6 \times (7 \times ((\sqrt{9})!! - (\sqrt{9})!) - 2).$

$30096 := ((3! + 0!)! - (0! + \sqrt{9})!) \times 6 = 6 \times (((\sqrt{9})! + 0!)! - (0! + 3)!).$

$30186 := ((3! + 0!)! - 1 - 8) \times 6 = -6 \times (\sqrt{81} - (0! + 3!)!).$

$30198 := 3! \times (0! + (1 + (\sqrt{9})!)! - 8) = (-8 + ((\sqrt{9})! + 1)! + 0!) \times 3!.$

$30228 := ((3! + 0!)! - 2) \times (-2 + 8) = (8 - 2) \times (-2 + (0! + 3!)!).$

$30234 := 3! \times (0! - 2 + (3 + 4)!) = ((4 + 3)! - (2 \times 0)!) \times 3!.$

$30235 := 3! \times (0! + 2 \times 3)! - 5 = -5 + 3 \times 2 \times (0! + 3!)!.$

$30237 := 7! \times 3 \times 2 - 0 - 3 = -3 + 0 + 2 \times 3 \times 7!.$

$30252 := (2 + (5 + 2)!) \times (0 + 3)! = 3! \times (0 + 2 + (5 + 2)!).$

$30264 := 3! \times (((0/2)! + 6)! + 4) = (4 + (6 + (2 \times 0)!)!) \times 3!.$

$30267 := 3^{0!+2} + 6 \times 7! = 7! \times 6 + (2 + 0!)^3.$

$30273 := 3! \times ((0! + 2)! + 7!) - 3 = ((3! + 7!) \times 2 - 0!) \times 3.$

$30274 := 3! \times ((0! + 2)! + 7!) - \sqrt{4} = -\sqrt{4} + (7! + (2 + 0!)!) \times 3!.$

$30276 := (6 + 7!) \times 2 \times (0 + 3) = 3 \times (0 + 2) \times (7! + 6).$

$30279 := 3 \times (0! + 2 \times (7! + (\sqrt{9})!)) = ((((\sqrt{9})! + 7!) \times 2) + 0!) \times 3.$

$30288 := 3! \times ((0! - 2 + 8)! + 8) = (8 + (8 - (2 \times 0)!)!) \times 3!.$

$30297 := 3 \times (0! + 2 \times (9 + 7!)) = ((7! + 9) \times 2 + 0!) \times 3.$

$30354 := 3! \times ((0! + 3!)! - 5 + 4!) = (4! - 5 + (3! + 0!)!) \times 3!.$

$30355 := 3! \times (0! + 3!)! + 5! - 5 = 5! - 5 + 3! \times (0! + 3!)!.$

$30366 := (3! + 0!) \times (3 + 6!) \times 6 = 6 \times (6! + 3) \times (0! + 3!).$

$30372 := 3! \times ((0! + 3)! + 7! - 2) = (-2 + 7! + (3 + 0!)!) \times 3!.$

$30377 := 3! \times ((0! + 3)! + 7!) - 7 = -7 + (7! + (3 + 0!)!) \times 3!.$

$30384 := (-30 + \sqrt{3!^8}) \times 4! = (4! + (8 - (3 \times 0)!)!) \times 3!.$

$30597 := 3 \times (-0! + 5!) + (\sqrt{9})! \times 7! = 7! \times (\sqrt{9})! + (5! - 0!) \times 3.$

$30947 := 3!! - 0! + (\sqrt{9})! \times (-\sqrt{4} + 7!) = (7! - \sqrt{4}) \times (\sqrt{9})! - 0! + 3!!.$

$30955 := 3!! + (0! + 9)!/5! - 5 = -5 + 5! + ((\sqrt{9})! + 0!)! \times 3!.$

$30957 := -3 - 0 + (\sqrt{9})! \times (5! + 7!) = (7! + 5!) \times (\sqrt{9})! - 0 - 3.$

$30972 := 3!! - 0 + (\sqrt{9})! \times (7! + 2) = (2 + 7!) \times (\sqrt{9})! - 0 + 3!!.$

$30979 := 3!! + 0! + (\sqrt{9} + 7!) \times (\sqrt{9})! = ((\sqrt{9} + 7!) \times (\sqrt{9})! + 0!) + 3!!.$

$30996 := 3!! + ((0! + (\sqrt{9})!)! + (\sqrt{9})!) \times 6 = 6! + (\sqrt{9})! \times ((\sqrt{9})! + (0! + 3!)!).$

$30997 := 3!! + 0! + (\sqrt{9})! \times ((\sqrt{9})! + 7!) = (7! + (\sqrt{9})!) \times (\sqrt{9})! + 0! + 3!!.$

$31668 := -(3!! + 1) \times (6 + 6) + 8! = 8! - (6 + 6) \times (1 + 3!!).$

$31679 := (\sqrt{9})! \times 7! + 6! - 1 + 3!! = 3!! - 1 + 6! + 7! \times (\sqrt{9})!.$

$31944 := (3! + 1 \times (\sqrt{9})!!) \times 44 = 4! \times (\sqrt{4} + 9 \times 1)^3.$

$31995 := (3!! - 1 \times 9) \times 9 \times 5 = -5 \times 9 \times (9 - 1 \times 3!!).$

$32048 := -3!! + \sqrt{2^{0+4!}} \times 8 = 8^{4+0!} - (2 \times 3)!.$

$32256 := (3! - 2)!^2 \times 56 = (6 + 5!) \times 2^{(2^3)}.$

$32394 := -3 \times (2 + 3!! \times (9 - 4!)) = ((4! - 9) \times 3!! - 2) \times 3.$

$32395 := 5 \times 9 \times 3!! - 2 - 3 = 3!! \times (2 + 3) \times 9 - 5.$

$32448 := 3! \times (2 + 4!)^{\sqrt{4}} \times 8 = (8 + 4 \times 4!)^2 \times 3.$

$32538 := 8! - 3!^5 - 2 \times 3 = -(3 \times 2)^5 - 3! + 8!.$

$32544 := -(3 \times 2)^5 + (4 + 4)! = 4! \times 452 \times 3.$

$32744 := 32^{7-4} - 4! = 4 \times (4^7/2 - 3!).$

$32748 := -3! \times (2 + 7!/4) + 8! = 8! - (4 + 7!/2) \times 3.$

$32762 := (2 + 6)^{7-2} - 3! = -3! + 2^{(7+6+2)}.$

$32768 := (3 - 2 + 7)^6/8 = (8 - 6)^{(7-2)\times 3}.$

$32771 := (1 + 7)^{7-2} + 3 = 3 + 2^{(7+7+1)}.$

$32774 := (3 + 2^{7+7}) \times \sqrt{4} = 4^{\sqrt{7\times 7}} \times 2 + 3!.$

$32784 := ((3! - 2)^7 + 8) \times \sqrt{4} = 4! + 8! - 7!/2 \times 3.$

$32805 := \sqrt{3^{2\times 8}} \times (0 + 5) = 5 \times \sqrt{(0! + 8)^{(2^3)}}.$

$32835 := (\sqrt{3^{2\times 8}} + 3!) \times 5 = 5 \times (3^8 + 2 \times 3).$

$33144 := (3!! + 3!!) \times (-1 + 4!) + 4! = 4! + (4! - 1) \times (3!! + 3!!).$

$33408 := 3! \times (3!! - 4!) \times (0 + 8) = 8 \times (0 - 4! + 3!!) \times 3!.$

$33488 := 3!! + (3! + \sqrt{4}) \times \sqrt{8^8} = 8 \times 8^4 + (3 + 3)!.$

$33489 := (3 + 3!!/4)^{(8-(\sqrt{9})!)} = (9 - 8 \times 4!)^{3!/3}.$

$33494 := 3! + 3!! + \sqrt{4^{-9+4!}} = \sqrt{4^{-9+4!}} + 3!! + 3!.$

$33495 := (3 + (3!! + 4!) \times 9) \times 5 = 5 \times (9 \times (4! + 3!!) + 3).$

$33558 := (3!! - 3!) \times (55 - 8) = (-8 + 55) \times (-3! + 3!!).$

$33595 := (-3! + (3 + 5)!)/(\sqrt{9})! \times 5 = 5 \times ((\sqrt{9} + 5)! - 3!)/3!.$

$33648 := -3!! + 3! \times (6! - 4) \times 8 = 8 \times (-4 + 6!) \times 3! - 3!!.$

$33696 := (3!^3 + 6!) \times (\sqrt{9})! \times 6 = (6^{\sqrt{9}} + 6!) \times 3! \times 3!.$

$33768 := 3!^3 \times \sqrt{7^6} - 8! = -8! + (6 \times 7)^{\sqrt{3\times 3}}.$

$33798 := -3!! + 3! \times (-7 + (\sqrt{9})!! \times 8) = (8 \times (\sqrt{9})!! - 7) \times 3! - 3!!.$

$33835 := 3!! \times 3! \times 8 - 3!! - 5 = -5 + 3!! \times 8 \times 3! - 3!!.$

$33837 := (7! - 3!!) \times 8 - 3!! - 3 = -3 - 3!! + 8! \times 3!/7.$

$33839 := -3/3 + 8! - 3!! \times 9 = -9 \times 3!! + 8! - 3/3.$

$33852 := (2 - 5! + 8 \times 3!!) \times 3! = 3! \times (3!! \times 8 - 5! + 2).$

$33864 := -3!! + 3! \times (8 \times 6! + 4) = (4 + 6! \times 8) \times 3! - 3!!.$

$33981 := (3 + 3!!) \times ((\sqrt{9})! \times 8 - 1) = (-1 + 8 \times (\sqrt{9})!) \times (3 + 3!!).$

$33984 := 3! \times ((3!! - 9) \times 8 - 4!) = -48 \times (9 + 3 - 3!!).$

$34224 := (3!! + 4!) \times (22 + 4!) = (4! + 22) \times (4! + 3!!).$

$34266 := -3! + 4! \times 2 \times (6! - 6) = (6! - 6) \times 2 \times 4! - 3!.$

$34269 := -3 + 4! \times 2 \times (6! - (\sqrt{9})!) = ((\sqrt{9})!! - 6) \times 2 \times 4! - 3.$

$34295 := (3 + 4^2)^{\sqrt{9}} \times 5 = 5 \times (\sqrt{9} + 2^4)^3.$

$34368 := (3!! - 4) \times \sqrt{36} \times 8 = 8 \times ((6 - 3)!! - 4) \times 3!.$

$34377 := (-3 \times 43 + 7!) \times 7 = 7 \times (7! - 3 \times 43).$

$34386 := (3 - (4 - 3!!) \times 8) \times 6 = 6 \times (8 \times (3!! - 4) + 3).$

$34398 := 3! \times (-4! - 3 + (\sqrt{9})!! \times 8) = (8 \times (\sqrt{9})!! - 3 - 4!) \times 3!.$

$34432 := (3!! \times 4! - 4^3) \times 2 = 2 \times (3!! \times 4! - 4^3).$

$34454 := ((3!! - \sqrt{4}) \times 4! - 5) \times \sqrt{4} = \sqrt{4} \times (-5 + 4! \times (-\sqrt{4} + 3!!)).$

$34464 := 3 \times 4 \times 4 \times (6! - \sqrt{4}) = 4 \times (6! - \sqrt{4}) \times 4 \times 3.$

$34488 := -3^{4+\sqrt{4}} \times 8 + 8! = 8! - (-8 + 4! + \sqrt{4})^3.$

$34494 := (3!! \times 4! - 4! - 9) \times \sqrt{4} = \sqrt{4} \times (-9 - 4! + 4! \times 3!!).$

$34497 := 3!! \times 4! \times \sqrt{4} - 9 \times 7 = -7 \times 9 + 4! \times \sqrt{4} \times 3!!.$

$34512 := (3!! \times 4! - (5 - 1)!) \times 2 = 2 \times (-(-1 + 5)! + 4! \times 3!!).$

$34528 := (-3!! - 4 + (5 + 2)!) \times 8 = 8 \times ((2 + 5)! - 4 - 3!!).$

$34536 := 3! \times (-4 + (5 + 3) \times 6!) = (6! \times (3 + 5) - 4) \times 3!.$

$34542 := (3!! \times 4! - 5 - 4) \times 2 = 2 \times (-4 - 5 + 4! \times 3!!).$

$34544 := (3 \times 4! \times 5! - 4) \times 4 = 4 \times (-4 + 5! \times 4! \times 3).$

$34545 := 3 \times (4 \times 5! \times 4! - 5) = (-5 + 4 \times 5! \times 4!) \times 3.$

$34548 := 3! \times (-\sqrt{4} + 5! \times 48) = (8!/(\sqrt{4} + 5) - \sqrt{4}) \times 3!.$

$34554 := (-3 + (4! + 5!) \times 5!) \times \sqrt{4} = \sqrt{4} \times (5! \times (5! + 4!) - 3).$

$34555 := \sqrt{3! \times 4!^5} \times 5 - 5 = -5 + 5! \times (5! - 4!) \times 3.$

$34557 := -3 + 4! \times 5! \times (5 + 7) = (7 + 5) \times 5! \times 4! - 3.$

$34572 := 3! \times ((\sqrt{4 + 5})!! + 7! + 2) = (2 + 7! + (\sqrt{5 + 4})!!) \times 3!.$

$34574 := (3! \times 4! \times 5! + 7) \times \sqrt{4} = \sqrt{4} \times (7 + 5! \times 4! \times 3!).$

$34584 := 3!^{\sqrt{4}} \times 5! \times 8 + 4! = (48 \times 5! + 4) \times 3!.$

$34596 := (3 + 4! \times 5!) \times ((\sqrt{9})! + 6) = (6 + (\sqrt{9})!) \times (5! \times 4! + 3).$

$34602 := (-3 + 4! \times (6! + 0!)) \times 2 = 2 \times ((0! + 6!) \times 4! - 3).$

$34608 := 3 \times \sqrt{4} \times (6! + 0!) \times 8 = 8 \times (0! + 6!) \times \sqrt{4} \times 3.$

$34614 := (3 + 4! \times (6! + 1)) \times \sqrt{4} = \sqrt{4} \times ((1 + 6!) \times 4! + 3).$

$34629 := -3 + 4! \times (6! \times 2 + \sqrt{9}) = (\sqrt{9} + 2 \times 6!) \times 4! - 3.$

$34644 := (-3! + 4! \times (6! + \sqrt{4})) \times \sqrt{4} = \sqrt{4} \times (4! \times (6! + \sqrt{4}) - 3!).$

$34648 := (3!! + 4 + 6!) \times 4! - 8 = -8 + 4! \times (6! + 4 + 3!!).$

$34668 := (8 \times 6! - 6 + 4!) \times 3! = 3! \times (4! - 6 + 6! \times 8).$

$34686 := (-3 + 4! + 6! \times 8) \times 6 = 6 \times (8 \times 6! + 4! - 3).$

$34688 := (3! \times (4 + 6!) - 8) \times 8 = 8 \times (-8 + 6 \times (4 + 3!!)).$

$34692 := (-3! + 4! \times (6! + \sqrt{9})) \times 2 = 2 \times ((\sqrt{9} + 6!) \times 4! - 3!).$

$34702 := (3!! \times 4! + \sqrt{7! + 0!}) \times 2 = 2 \times (\sqrt{0! + 7!} + 4! \times 3!!).$

$34704 := ((4 - 0!)!! + 7! + 4!) \times 3! = (3! + \sqrt{4} \times (7 - 0!)!) \times 4!.$

$34728 := (3!! \times \sqrt{4} + 7) \times (\sqrt{2 \times 8})! = (8/2)! \times (7 + \sqrt{4} \times 3!!).$

$34734 := 3! + 4! \times (7 + 3!! \times \sqrt{4}) = (\sqrt{4} \times 3!! + 7) \times 4! + 3!.$

$34773 := (-3 \times 4! + 7!) \times 7 - 3 = -3 + 7 \times (7! - 4! \times 3).$

$34774 := (-3 \times 4! + 7!) \times 7 - \sqrt{4} = -\sqrt{4} + 7 \times (7! - 4! \times 3).$

$34777 := -3!! + (4! + 7 + 7!) \times 7 = 7 \times (7! + 7 + 4!) - 3!!.$

$34779 := (-3 \times 4! + 7!) \times 7 + \sqrt{9} = \sqrt{9} + 7 \times (7! - 4! \times 3).$

$34797 := (-3 \times 4! + 7! + \sqrt{9}) \times 7 = 7 \times (\sqrt{9} + 7! - 4! \times 3).$

$34836 := 3! \times (-\sqrt{4} + 8 \times (3! + 6!)) = ((6 + 3!!) \times 8 - \sqrt{4}) \times 3!.$

$34944 := (3!! + \sqrt{4^{\sqrt{9}}}) \times \sqrt{4} \times 4! = \sqrt{4} \times 4! \times ((\sqrt{9})!! + \sqrt{4^3}).$

$34968 := -3! \times (4 - \sqrt{9^6} \times 8) = (8 \times (6! + 9) - 4) \times 3!.$

$34986 := 3!^{\sqrt{49}}/8 - 6 = (\sqrt{6^8} \times 9 - \sqrt{4}) \times 3.$

$34989 := 3!^{\sqrt{49}}/8 - \sqrt{9} = \sqrt{(\sqrt{9})!^8} \times (\sqrt{9} + 4!) - 3.$

$34991 := 3!^4 \times 9 \times \sqrt{9} - 1 = -1 + (9 + 9)^4/3.$

$34992 := 3 \times (4 \times 9 \times \sqrt{9})^2 = 2 \times (9 + 9)^4/3!.$

$34994 := 3!^4 \times 9 \times \sqrt{9} + \sqrt{4} = \sqrt{4} + (9 + 9)^4/3.$

$34998 := 3 \times \left(\sqrt{4} + 9 \times \sqrt{(\sqrt{9})!^8}\right) = (8 + (\sqrt{9})!^{(\sqrt{9})!})/4 \times 3.$

$35077 := (-3! \times 5 + 0! + 7!) \times 7 = 7 \times (7! + 0! - 5 \times 3!).$

$35268 := 3! \times (5! - 2 + 6! \times 8) = (8 \times 6! - 2 + 5!) \times 3!.$

$35272 := 3! + (5 + 2) \times (7! - 2) = (-2 + 7!) \times (2 + 5) + 3!.$

$35274 := (3 + 5)! - 2 - 7! - 4 = -4 - 7! - 2 + (5 + 3)!.$

$35275 := (-3 + 5 \times 2) \times 7! - 5 = -5 + 7 \times (2 \times 5 - 3)!.$

$35276 := (3 + 5)! + 2 - 7! - 6 = -6 - 7! + 2 + (5 + 3)!.$

$35277 := 3! + 5 + (-2 + 7!) \times 7 = 7 \times (7! - 2) + 5 + 3!.$

$35278 := 3! + (5 + 2) \times 7! - 8 = 8! - 7! - \sqrt{25} + 3.$

$35279 := (3 + 5)! + 2 - 7! - \sqrt{9} = (\sqrt{9})!! \times 7^2 + 5 - 3!.$

$35304 := (3 + 5)! - (3! + 0!)! + 4! = 4! - (0! + 3!)! + (5 + 3)!.$

$35424 := (3 + 5!) \times 4!/2 \times 4! = 4!/2 \times 4! \times (5! + 3).$

$35477 := -3! + (5 + 4! + 7!) \times 7 = 7 \times (7! + 4! + 5) - 3!.$

$35488 := (-3!! + 5! - 4) \times 8 + 8! = 8! + 8 \times (-4 + 5! - 3!!).$

$35707 := (\sqrt{3!! \times 5} + 7! + 0!) \times 7 = 7 \times (0! + 7! + \sqrt{5 \times 3!!}).$

$35777 := (\sqrt{3! - 5 + 7!} + 7!) \times 7 = 7 \times (7! + \sqrt{7! - 5 + 3!}).$

$35875 := 3!! - 5! + 8! - 7! - 5 = -5 - 7! + 8! - 5! + 3!!.$

$35994 := -3! + 5 \times (\sqrt{9})!! \times ((\sqrt{9})! + 4) = (4 + (\sqrt{9})!) \times (\sqrt{9})!! \times 5 - 3!.$

$35995 := 3!! \times (59 - 9) - 5 = -5 + (\sqrt{9})!! \times (-\sqrt{9} + 53).$

$35997 := -3 + 5 \times (\sqrt{9})!! \times (\sqrt{9} + 7) = (7 + \sqrt{9}) \times (\sqrt{9})!! \times 5 - 3.$

$35998 := 3 - 5 - (\sqrt{9})! \times (\sqrt{9})!! + 8! = 8! - (\sqrt{9})! \times (\sqrt{9})!! - 5 + 3.$

$36025 := (3!! + 6! + 0!) \times 25 = 5^2 \times (0! + 6! + 3!!).$

$36224 := (\sqrt{36} + 2)! - \sqrt{2^{4!}} = (4 \times 2)! - (-2 + 6)^{3!}.$

$36288 := (3 + 6)!/(2 + \sqrt{8 \times 8}) = 8! - 8^2 \times 63.$

$36477 := (3 + (6! + 4!) \times 7) \times 7 = 7 \times (7 \times (4! + 6!) + 3).$

$36585 := -(3 + 6!) \times 5 + 8! - 5! = -5! + 8! - 5 \times (6! + 3).$

$36678 := 3!! - 6 \times (6! + 7) + 8! = 8! - (7 + 6!) \times 6 + 3!!.$

$36744 := 3 \times 6! \times (-7 + 4!) + 4! = 4! + (4! - 7) \times 6! \times 3.$

$36748 := -3!! - (6! - 7) \times 4 + 8! = 8! - 4 \times (-7 + 6!) - 3!!.$

$36757 := (\sqrt{3!^6} + 7! - 5) \times 7 = -7 \times (5 - 7! - 6^3).$

$36758 := 3 - (6! - 7) \times 5 + 8! = 8! - 5 \times (-7 + 6!) + 3.$

$36792 := (\sqrt{3!^6} + 7!) \times (9 - 2) = (-2 + 9) \times (7! + 6^3).$

$36798 := -3 + 6 \times 7! + \sqrt{9^8} = 8! - 9! \times 7/6! + 3!.$

$36864 := 36 \times \sqrt{8^{6 \times 4}} = (4 \times 6 \times 8)^{6/3}.$

$36882 := (3 + 6) \times (\sqrt{8^8} + 2) = (2 + \sqrt{8^8}) \times (6 + 3).$

$37044 := (3 \times 7)^{0!+\sqrt{4}} \times 4 = 4 \times ((4 - 0!) \times 7)^3.$

$37296 := 37 \times 2 \times 9!/6! = 6^{(\sqrt{9})!} - 2 \times 7! + 3!!.$

$37344 := (3!! \times (7 + 3!) - 4!) \times 4 = 4 \times (-4! + 3!! \times (7 + 3!)).$

$37424 := (-3!! + (7! - \sqrt{4}) \times 2) \times 4 = 4 \times (2 \times (-\sqrt{4} + 7!) - 3!!).$

$37434 := -3! + 7! \times 4 + 3!! \times 4! = 4! \times 3!! + 4 \times 7! - 3!.$

$37435 := (3 + \sqrt{7^4}) \times 3!! - 5 = -5 + 3!! \times 4 \times (7 + 3!).$

$37438 := -\sqrt{-3 + 7} - 4 \times 3!! + 8! = 8! - 3!! \times 4 - \sqrt{7 - 3}.$

$37464 := ((3 + 7!) \times \sqrt{4} - 6!) \times 4 = 4! + 6! \times 4 \times (7 + 3!).$

$37468 := (3!! - 7) \times (\sqrt{4} - 6) + 8! = 8! + (6 - \sqrt{4}) \times (7 - 3!!).$

$37748 := (-3!! + 77) \times 4 + 8! = 8! + 4 \times (77 - 3!!).$

$37789 := (3!! - 7) \times (7 \times 8 - \sqrt{9}) = (\sqrt{9} - 8 \times 7) \times (7 - 3!!).$

$37805 := -3 + 7! + 8^{0+5} = 5 \times (0! + (8! + 7!)/3!).$

$37895 := (-3 + 7 \times 8) \times ((\sqrt{9})!! - 5) = (-5 + (\sqrt{9})!!) \times (8 \times 7 - 3).$

$38148 := -3 \times ((\sqrt{\sqrt{81}})!! + 4) + 8! = 8! + (-4 - (\sqrt{1 + 8})!!) \times 3.$

$38184 := -3 \times (\sqrt{\sqrt{81}})!! + 8! + 4! = 4! + 8! - \sqrt{1 + 8} \times 3!!.$

$38368 := -3!! - 8^3 - 6! + 8! = 8! - 6! - 3!! - 8^3.$

$38397 := (7! - (\sqrt{9})!!/3) \times 8 - 3 = -3 - 8!/3 + 9!/7.$

$38398 := -(3! + 8 \times 3!!)/\sqrt{9} + 8! = 8! - ((\sqrt{9})! + 3!! \times 8)/3.$

$38525 := 3!! - 8! + 5^{2+5} = 5^{2+5} - 8! + 3!!.$

$38598 := 3! \times (-8 - 5! + \sqrt{9^8}) = 8! - (\sqrt{9} + 5!) \times (8 + 3!).$

$38637 := -3 + 8! - 6!/3 \times 7 = -7!/3 - 6 + 8! + 3.$

$38664 := (3! + 8 \times 6) \times (6! - 4) = (-4 + 6!) \times (6 \times 8 + 3!).$

$38688 := -3 \times 8 \times 68 + 8! = 8! - 8 \times 68 \times 3.$

$38736 := -(3 + 8)!/7! + 3!^6 = 6! + 3!^7 - 8! \times 3!.$

$38753 := -3!! + 8! - 7 - 5! - 3!! = -3!! - 5! - 7 + 8! - 3!!.$

$38755 := -3!! + 8! - 7 \times 5! - 5 = -5 - 5! \times 7 + 8! - 3!!.$

$38799 := -3^8 + 7! + 9!/9 = -9 + 9 \times (7! - 8 - 3!!).$

$38832 := -2 \times 3!! + 8! - 8 \times 3! = -3! \times 8 + 8! - 3!! \times 2.$

$38848 := -(3!! + 8 + 8) \times \sqrt{4} + 8! = 8! - \sqrt{4} \times (8 + 8 + 3!!).$

$38864 := -3!! + 8! + 8 - 6! - 4! = -4! - 6! + 8 + 8! - 3!!.$

$38866 := -3!! + 8! - 8 - 6! - 6 = -6! - 6! - 8 + 8! - 3!.$

$38869 := -3!! + 8! - 8 - 6! - \sqrt{9} = -(\sqrt{9})!! - 6! - 8 + 8! - 3.$

$38872 := -3!! - 8 + 8! - (\sqrt{7 + 2})!! = -(\sqrt{2 + 7})!! - 8 + 8! - 3!!.$

$38873 := -3!! + (\sqrt{8 \times 8})! - 7 - 3!! = -3!! - 7 + (\sqrt{8 \times 8})! - 3!!.$

$38879 := -3!! - 8 + 8! + 7 - (\sqrt{9})!! = -(\sqrt{9})!! + 7 - 8 + 8! - 3!!.$

$38894 := 3! + 8 + 8! - (\sqrt{9})!! \times \sqrt{4} = -\sqrt{4} \times (\sqrt{9})!! + 8 + 8! + 3!.$

$38904 := -3!! + 8! - (\sqrt{9})!! - 0 + 4! = 4! + 0 - (\sqrt{9})!! + 8! - 3!!.$

$38928 := 3! \times (8 + 9 \times (-2 + 8)!) = 8! - 29 \times 8 \times 3!.$

$38944 := -3!! + 8! - (\sqrt{9})!! + \sqrt{\sqrt{\sqrt{4^{4!}}}} = \sqrt{\sqrt{\sqrt{4^{4!}}}} - (\sqrt{9})!! + 8! - 3!!.$

$38948 := -(3! + 8)^{\sqrt{9}}/\sqrt{4} + 8! = 8! - \sqrt{\sqrt{4} \times 98^3}.$

$38955 := -3!! + 8! - (9 + 5!) \times 5 = -5 \times (5! + 9) + 8! - 3!!.$

$38979 := (3 + 8 - (\sqrt{9})!! + 7!) \times 9 = 9 \times (7! - ((\sqrt{9})!! - 8 - 3)).$

$38998 := -(3 + 8)^{\sqrt{9}} + 9 + 8! = 8! + 9 - (\sqrt{9} + 8)^3.$

$39024 := 3! \times (9 \times (0! + 2)!! + 4!) = (4! + (2 + 0!)!! \times 9) \times 3!.$

$39048 := (-3! \times 9 + 0!) \times 4! + 8! = 8! + 4! \times (0! - 9 \times 3!).$

$39096 := (3!! + \sqrt{9} + 0!) \times 9 \times 6 = (6! + \sqrt{9} + 0!) \times 9 \times 3!.$

$39258 := 3 \times \sqrt{9} \times (2 - 5!) + 8! = 8! - (5! - 2) \times \sqrt{9} \times 3.$

$39339 := (3! \times 9^3 - 3) \times 9 = -9 \times (3 - 3! \times 9^3).$

$39347 := (3^9 - 3!) \times \sqrt{4} - 7 = -7 + \sqrt{4} \times (3^9 - 3!).$

$39348 := -(3 + 9) \times 3^4 + 8! = 8! - 4 \times \sqrt{3^9 \times 3}.$

$39363 := 3^9/3 \times 6 - 3 = 3^6 \times 3! \times 9 - 3.$

$39364 := 3^9/3 \times 6 - \sqrt{4} = -\sqrt{4} + 6 \times 3^9/3.$

$39366 := 3^9 \times (3 - 6/6) = 6 \times (6 - 3)^9/3.$

$39369 := 3 + 9^3 \times 6 \times 9 = (9 + 6 \times 3^9)/3.$

$39374 := (3^9 - 3 + 7) \times \sqrt{4} = \sqrt{4} \times (7 + 3^9 - 3).$

$39382 := ((3 \times 9)^3 + 8) \times 2 = 2 \times (8 + (3 \times 9)^3).$

$39384 := 3 \times (\sqrt{9} + 3^8) \times \sqrt{4} = 4! + 8! - 3!! - (\sqrt{9})!!/3.$

$39438 := 3! \times (\sqrt{9} \times 4 + 3^8) = 8! - 3! \times 49 \times 3.$

$39448 := (-(3!^{\sqrt{9}} + \sqrt{4}) \times 4 + 8!) = 8! - 4 \times (\sqrt{4} + (\sqrt{9})!^3).$

$39456 := (3!! \times 9 - 4! + 5!) \times 6 = 6 \times (5! - 4! + 9 \times 3!!).$

$39468 := -\sqrt{(3! + (\sqrt{9})!!) \times 4!} - 6! + 8! = 8! - \sqrt{6 \times (4! + 9!/3)}.$

$39478 := 3! - (\sqrt{9})!! - \sqrt{4^7} + 8! = 8! - (7! + 4 \times \sqrt{9})/3!.$

$39528 := -3!! + (-9 + (5 + 2)!) \times 8 = 8 \times ((2 + 5)! - 9) - 3!!.$

$39538 := -3^{(\sqrt{9})!} - 53 + 8! = 8! - 3!! - 59 - 3.$

$39546 := -3! \times (9 + 5!) + (\sqrt{4} + 6)! = (\sqrt{64})! - (5! + 9) \times 3!.$

$39548 := -3! \times (9 + 5!) + \sqrt{4} + 8! = 8! + \sqrt{4} - (5! + 9) \times 3!.$

$39555 := (3!! - \sqrt{9}) \times 55 + 5! = 5! + 55 \times ((\sqrt{9})!! - 3).$

$39564 := -3!! + (\sqrt{9} + 5)! - \sqrt{6^4} = (\sqrt{4} + 6)! - (5! + (\sqrt{9})!) \times 3!.$

$39568 := -3 \times 9 - 5 - 6! + 8! = 8! - 6! - 5 - 9 \times 3.$

$39578 := -3!! - \sqrt{9} \times 5 - 7 + 8! = 8! - 7 - 5 \times \sqrt{9} - 3!!.$

$39579 := -3!! + (\sqrt{9} + 5)! - 7 \times \sqrt{9} = -\sqrt{9} \times 7 + (5 + \sqrt{9})! - 3!!.$

$39581 := -1 + 8! - (5! + \sqrt{9}) \times 3! = -3! \times (\sqrt{9} + 5!) + 8! - 1.$

$39582 := -3! \times (\sqrt{9} + 5!) + (\sqrt{8^2})! = 2 + 8! - 5!/(\sqrt{9})! - 3!!.$

$39583 := -3^{(\sqrt{9})!} - 5 + 8! - 3 = -3 + 8! - 5 - 9^3.$

$39584 := 3 - (\sqrt{9})!! + (5 + 8!) - 4! = -\sqrt{4} + 8! - 5 - 9^3.$

$39586 := -3 \times \sqrt{9} - 5 + 8! - 6! = -6! + 8! - 5 - \sqrt{9} \times 3.$

$39587 := -3! - (\sqrt{9})! \times 5! + 8! - 7 = -7 + 8! - 5! \times (\sqrt{9})! - 3!.$

$39588 := -3 - 9^{(-5+8)} + 8! = 8! - 8 + 5 - 9^3.$

$39589 := 3 - (\sqrt{9})!! - 5 + 8! - 9 = \sqrt{9} + 8! - 5 - 9^3.$

$39591 := -3 \times \sqrt{9^5} + (9 - 1)! = 1 \times (\sqrt{9} + 5)! - 9^3.$

$39592 := -3! + (\sqrt{9} + 5)! - (\sqrt{9})!! - 2 = (2^{\sqrt{9}})! - 5 - (\sqrt{9})!! - 3.$

$39594 := (3^9 + 5! - (\sqrt{9})!) \times \sqrt{4} = (4 + 9 - 5)! - (\sqrt{9})!! - 3!.$

$39595 := -(-3 + 9)! + (5 + \sqrt{9})! - 5 = (5 + \sqrt{9})! - 5 - (9 - 3)!.$

$39597 := -3 - (\sqrt{9})!! + (5 + \sqrt{9}) \times 7! = 7! \times (\sqrt{9} + 5) - (\sqrt{9})!! - 3.$

$39598 := -(-3 + 9)! - 5 + \sqrt{9} + 8! = 8! + \sqrt{9} - 5 - (9 - 3)!.$

$39599 := -3!! + (\sqrt{9} + 5)! - 9/9 = 9!/9 + 5 - (\sqrt{9})!! - 3!.$

$39618 := 3 \times (\sqrt{9})! - 6! + 1 \times 8! = 8! - 1 \times 6! + \sqrt{9} \times 3!.$

$39624 := -(-3 + 9)! + (6 + 2)! + 4! = 4! + (2 + 6)! - (9 - 3)!.$

$39636 := 3!! + (9 \times 6! + 3!) \times 6 = 6 \times (3! + 6! \times 9) + 3!!.$

$39648 := -3!! + 96/\sqrt{4} + 8! = 8! - 4! - (6^{\sqrt{9}}) \times 3.$

$39655 := (3/\sqrt{9} + 6!) \times 55 = 55 \times (6! + \sqrt{9}/3).$

$39678 := -3!! + (\sqrt{9})! \times (6 + 7) + 8! = 8! + (7 + 6) \times (\sqrt{9})! - 3!!.$

$39744 := (3! + 9 \times 7) \times 4! \times 4! = 4! \times 4! \times (7 \times 9 + 3!).$

$39754 := -3! + (9! - 7!)/(5 + 4) = ((4 + 5)! - 7!)/9 - 3!.$

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

$39768 := ((3!! - 9) \times 7 - 6) \times 8 = 8 \times (-6 + 7 \times (-9 + 3!!))$.

$39784 := -3!!/9 \times 7 + 8! + 4! = 4! + 8! - 7!/(\sqrt{9} \times 3)$.

$39789 := 3 \times 9 \times 7 + 8! - (\sqrt{9})!! = -(\sqrt{9})!! + 8! + 7 \times 9 \times 3$.

$39798 := 3! \times (9!/7! + \sqrt{9^8}) = 8! - \sqrt{((\sqrt{9})! + 7!) \times 9 \times 3!}$.

$39808 := -(3!/\sqrt{9})^{8+0!} + 8! = 8! + 0 - 8^{9/3}$.

$39816 := (3!! - 9) \times 8 \times (1 + 6) = (6 + 1) \times 8 \times (-9 + 3!!)$.

$39828 := (3 - 9) \times 82 + 8! = (-82 + 8!/(\sqrt{9})!) \times 3!$.

$39834 := (-3^9 + 8! - 3!!) \times \sqrt{4} = 4! - 3! + 8! - 9!/3!!$.

$39835 := 3!!/\sqrt{9} + 8! - 3!! - 5 = -5 - 3!! + 8! + (\sqrt{9})!!/3$.

$39837 := ((3!! - 9) \times 8 + 3) \times 7 = 7 \times (3 + 8 \times (-9 + 3!!))$.

$39858 := -3! \times (9 \times 8 + 5) + 8! = 8! - (5 + 8 \times 9) \times 3!$.

$39864 := 3!!/\sqrt{9} + 8! - 6! + 4! = 4! - 6! + 8! + (\sqrt{9})!!/3$.

$39878 := 3! + ((\sqrt{9})!! - 8) \times 7 \times 8 = 8 \times 7 \times (-8 + (\sqrt{9})!!) + 3!$.

$39884 := -3! \times 9 \times 8 + 8! - 4 = -4 + 8! - 8 \times 9 \times 3!$.

$39888 := -3 \times 9 \times (8 + 8) + 8! = 8! - (8 + 8) \times 9 \times 3$.

$39896 := 3!!/9 + 8! - 9!/6! = 6!/9 + 8! - 9!/3!!$.

$39948 := (3! - 99) \times 4 + 8! = 8! - 4 \times (99 - 3!)$.

$39957 := -3 + 9 \times (-(\sqrt{9})!! + 5! + 7!) = (7! + 5! - (\sqrt{9})!!) \times 9 - 3$.

$39958 := -3!/\sqrt{9} - \sqrt{9} \times 5! + 8! = 8! - (5! \times 9 + (\sqrt{9})!)/3$.

$39978 := 3! \times ((\sqrt{9})! - 9 \times 7) + 8! = 8! - 7^{\sqrt{9}} + \sqrt{9}/3$.

$39983 := (-3!! + (-(\sqrt{9})! + (\sqrt{9})!!) \times 8!)/3!! = (-3!! + 8! \times (-(\sqrt{9})! + (\sqrt{9})!!))/3!!$.

$39984 := (3!! - (\sqrt{9})!) \times ((\sqrt{9})! + 8) \times 4 = 4 \times (8 + (\sqrt{9})!) \times ((\sqrt{9})!! - 3!)$.

$39987 := 3 + ((\sqrt{9})!! - (\sqrt{9})!) \times 8 \times 7 = 7 \times 8 \times ((\sqrt{9})!! - (\sqrt{9})!) + 3$.

$39988 := -3! \times 9 \times (\sqrt{9})! + 8! - 8 = 8! - 8 - (\sqrt{9})! \times 9 \times 3!$.

$40128 := (-4! + (0! + (1 + 2)!)!) \times 8 = 8! + (2 - 10) \times 4!$.

$40175 := -4! - 0! + (1 + 7)! - 5! = -5! + (7 + 1)! - 0! - 4!$.

$40178 := -\sqrt{4 \times (0 + 1 + 7!)} + 8! = 8! + 71 \times (0 - \sqrt{4})$.

$40195 := -(4 + 0!)! + (-1 + 9)! - 5 = -5^{\sqrt{9}} + (10 - \sqrt{4})!$.

$40198 := -(4 + 0!)! + 1 - \sqrt{9} + 8! = 8! - \sqrt{9} + 1 - (0! + 4)!$.

$40199 := -(4 + 0!)! - 1 + 9!/9 = 9!/9 - 1 - (0! + 4)!$.

$40228 := -4 \times (0! + 22) + 8! = 8! - (22 + 0!) \times 4$.

$40248 := -(4 - 0!) \times 24 + 8! = 8! + (\sqrt{4} - 20) \times 4$.

$40258 := \sqrt{4} \times (0! - 2^5) + 8! = 8! - 5!/2 + 0 - \sqrt{4}$.

$40268 := -40 - 2 \times 6 + 8! = 8! - (6 + 20) \times \sqrt{4}$.

$40272 := 4 \times (-(0! + 2)! + 7!) \times 2 = 2 \times (7! - (2 + 0!)!) \times 4$.

$40276 := 4 \times (0! + 2 \times (7! - 6)) = ((-6 + 7!) \times 2 + 0!) \times 4$.

$40278 := -40 - 2 + 7! \times 8 = 8! - 7 \times (2 + 0 + 4)$.

$40293 := (4 \times (0 + 2))! - 9 \times 3 = -3 \times 9 + (2 \times (0 + 4))!$.

$40294 := -\sqrt{4} - 0 + (2^{\sqrt{9}})! - 4! = (\sqrt{4^{\sqrt{9}}})! - 2 + 0 - 4!$.

$40295 := -4! - 0! + (2 \times (9 - 5))! = (5 + \sqrt{9})! - 2 + 0! - 4!$.

$40296 := -4! - 0 + (2^{9-6})! = ((-6 + 9)^2 - 0!)! - 4!$.

$40297 := -4! + 0! + (2 \times \sqrt{9 + 7})! = ((7 + 9)/2)! + 0! - 4!$.

$40298 := -40 + 2 \times 9 + 8! = 8! - 9 \times 2 + 0 - 4$.

$40299 := -4! + 0! + 2 + 9!/9 = 9!/9 + 2 + 0! - 4!$.

$40308 := 4 \times (0 - 3) - 0 + 8! = 8! + 0 + 3 \times (0 - 4)$.

$40309 := -\sqrt{4} + (0! + 3! + 0!)! - 9 = (9 - 0!)! - 3! - 0! - 4$.

$40312 := 4 \times ((0! + 3!)! - 1) \times 2 = 2 \times ((1 + 3!)! - 0!) \times 4$.

$40313 := (\sqrt{4^{0+3}})! - 1 - 3! = -3 + (1 + 3! + 0!)! - 4$.

$40314 := -(4 - 0!)! + (3 + 1 + 4)! = -(4 - 1)! + (3 + 0! + 4)!$.

$40315 := (40/(3! - 1))! - 5 = -5 + (13 - 0! - 4)!$.

$40316 := -4 + 0 + (3 - 1 + 6)! = (\sqrt{61 + 3})! + 0 - 4$.

$40317 := 4 \times 0 - 3 + (1 + 7)! = (7 + 1)! - 3 + 0/4$.

$40318 := 4 \times 0 - 3 + 1 + 8! = 8! - 1 + 3 + 0 - 4$.

$40319 := (\sqrt{4^{0+3}})! - 1^9 = (9 - 1)! + 3 + 0 - 4$.

$40332 := 4 \times (0 + 3) + (3! + 2)! = (2^3)! + 3 \times (0 + 4)$.

$40334 := \sqrt{4} \times (0! + 3!) + (3! + \sqrt{4})! = (\sqrt{4^3})! + (3! + 0!) \times \sqrt{4}$.

$40335 := (4 + 0!) \times 3 + (3 + 5)! = (5 + 3)! + 30/\sqrt{4}$.

$40337 := 4! + (-0! + 3 \times 3)! - 7 = -7 + (3 \times 3 - 0!)! + 4!$.

$40338 := (4 + 0!) \times 3 + (3 + 8!) = 8! + 3 + 30/\sqrt{4}$.

$40342 := (\sqrt{4^{0+3}})! + 4! - 2 = (2 \times 4)! - 3 + 0! + 4!$.

$40343 := 4! - (0/3)! + (\sqrt{4^3})! = (3 + \sqrt{4} + 3)! - 0! + 4!$.

$40344 := 4! - 0/3 + (4 + 4)! = (4 + 4)! + 3! \times (0 + 4)$.

$40345 := 4! + 0! + (\sqrt{\sqrt{3^4}} + 5)! = \sqrt{5^4} + (3 + 0! + 4)!$.

$40346 := 4! - 0! + 3 + (\sqrt{4} + 6)! = (\sqrt{64})! + 30 - 4$.

$40358 := 40 + 3 - 5 + 8! = 8! + 5!/3 + 0 - \sqrt{4}$.

$40368 := ((4 - 0 + 3)! + 6) \times 8 = 8 \times (6 + (3 + 0 + 4)!)$.

$40372 := 4 \times (0! + (3! + 7!) \times 2) = (2 \times (7! + 3!) + 0!) \times 4$.

$40392 := 4 \times ((0! + 3!)! + 9) \times 2 = 2 \times (9 + (3! + 0!)!) \times 4$.

$40395 := (4! + 0!) \times 3 + (\sqrt{9} + 5)! = (5 + \sqrt{9})! + 3 \times (0! + 4!)$.

$40398 := \sqrt{4} \times (0 + 39) + 8! = 8! + \sqrt{9} \times (30 - 4)$.

$40408 := 4 \times (-0! + 4! - 0!) + 8! = 8! + (-0! + 4! - 0!) \times 4$.

$40428 := (4 \times (0! + 4! + 2)) + 8! = 8! + (2 + 4! + 0!) \times 4$.

$40435 := (4 + 0!)! + (\sqrt{4^3})! - 5 = 5! + (3! + \sqrt{4})! - 0! - 4$.

$40438 := (4 + 0!)! + 4 - 3! + 8! = 8! + 3 \times 40 - \sqrt{4}$.

$40458 := (4! - 0!) \times (\sqrt{4 + 5})! + 8! = 8! + 5! - (4 - 0!)! + 4!$.

$40464 := (4 - 0 + 4)! + 6 \times 4! = 4! \times 6 + (4 - 0 + 4)!$.

$40465 := 4! + 0! + (\sqrt{4} + 6)! + 5! = 5! + (\sqrt{64})! + 0! + 4!$.

$40468 := 4 - 0 + 4! \times 6 + 8! = 8! + 6 \times 4! + 0 + 4$.

$40528 := 4 \times (0 + 52) + 8! = 8! + (2 + 50) \times 4$.

$40536 := (40/5)! + \sqrt{3!^6} = 6^3 + (5 - 0! + 4)!$.

$40538 := \sqrt{4} + (0! + 5)^3 + 8! = 8! + 3^5 - 0! - 4!$.

$40548 := (-(4 - 0!)! + 5!) \times \sqrt{4} + 8! = 8! + \sqrt{4} \times (5! - (0! + \sqrt{4})!)$.

$40558 := (4 - 0!)^5 - 5 + 8! = 8! + 5! + 5! + 0 - \sqrt{4}$.

$40562 := \sqrt{4} \times (0! + 5!) + (6 + 2)! = (2 + 6)! + (5! + 0!) \times \sqrt{4}$.

$40568 := \sqrt{4} \times (0! + 5!) + 6 + 8! = 8! + 6 + (5! + 0!) \times \sqrt{4}$.

$40582 := 4! \times \sqrt{0! + 5!} + 8! - 2 = -2 + 8! + \sqrt{5! + 0!} \times 4!$.

$40584 := \sqrt{4} \times (0 + 5)! + 8! + 4! = 4! + 8! + 5! \times (0 + \sqrt{4})$.

$40585 := 4! + 0! + 5! + 8! + 5! = 5! + 8! + 5! + 0! + 4!$.

$40668 := \sqrt{4! \times ((0! + 6)! + 6)} + 8! = 8! + 6 \times (60 - \sqrt{4})$.

$40698 := ((4 + 0!)! + 6) \times \sqrt{9} + 8! = 8! + \sqrt{9} \times (6 + (0! + 4)!)$.

$40832 := \sqrt{4^{0!+8}} + (3! + 2)! = (2^3)! + 8^{0!+\sqrt{4}}$.

$40838 := (4 - 0!)! + 8^3 + 8! = 8! + 3! + 8^{0!+\sqrt{4}}$.

$40848 := (4 - 0!)!! + 8! - 4! \times 8 = 8! - 4! \times 8 + (0! + \sqrt{4})!!$.

$40895 := -4! - 0! + 8! + (\sqrt{9})!! - 5! = -5! + (\sqrt{9})!! + 8! - 0! - 4!$.

$40896 := -(4 - 0!)!! \times 8 + (\sqrt{9})!^6 = 6^{(\sqrt{9})!} - 8 \times (0! + \sqrt{4})!!$.

$40968 := 4! \times (0 - \sqrt{9}) + 6! + 8! = 8! + \sqrt{6^{(9-0!)}/4}$.

$40986 := -(4 - 0!)! \times 9 + 8! + 6! = 6! + 8! - 9 \times (0! + \sqrt{4})!$.

$41035 := (-\sqrt{4} + 10)! + 3!! - 5 = -5 + 3!! + ((0! + 1) \times 4)!$.

$41036 := -4 + ((1+0!)^3)! + 6! = 6! + (3! + 0! + 1)! - 4.$

$41038 := (4-1)!! + 0! - 3 + 8! = 8! + 3!! + 0! + 1 - 4.$

$41064 := (-\sqrt{4} + 10)! + 6! + 4! = 4! + 6! + ((0! + 1) \times 4)!.$

$41348 := 4^{(-1+3!)} + 4 + 8! = 8! + 4^{3!-1} + 4.$

$41398 := -\sqrt{4} + (-1 + 3!)! \times 9 + 8! = 8! + 9 \times (3! - 1)! - \sqrt{4}.$

$41448 := -4! + 1 \times 4!^4/8 = 8! + 4! \times (4! - 1 + 4!).$

$41472 := 4! \times 1 \times 4! \times 72 = 2 \times (7 + 4 + 1)^4.$

$41499 := (4-1) \times (4!^{\sqrt{9}} + 9) = \sqrt{9} \times (9 + 4!^{(-1+4)}).$

$41616 := (4-1)!^6 - (1+6)! = -(6+1)! + 6^{(-1+4)!}.$

$41617 := (4-1)!^6 + 1 - 7! = -7! + 1 + 6^{(-1+4)!}.$

$41736 := (4+1)! - 7! + 3!^6 = 6^{3!} - 7! + (1+4)!.$

$41762 := \sqrt{4} + (1+7)! + 6! \times 2 = 2 \times 6! + (7+1)! + \sqrt{4}.$

$41764 := 4 + (1+7)! + 6! \times \sqrt{4} = \sqrt{4} \times 6! + (7+1)! + 4.$

$41784 := \sqrt{4} \times (-1+7)! + 8! + 4! = 4! + 8! + (7-1)! \times \sqrt{4}.$

$42048 := 4!^2 \times (-0! + 4) + 8! = 8! + 4! \times (0! + 2) \times 4!.$

$42336 := (4+2)^{3!} - 3! \times 6! = 63 \times (3!! - 2 \times 4!).$

$42368 := 4 \times 2^{3+6} + 8! = 8! + \sqrt{(6/3)^{(-2+4!)}}.$

$42456 := -4! + (\sqrt{\sqrt{2^{4!}}} - 5) \times 6! = 6! \times (5! - \sqrt{4})/2 - 4!.$

$42648 := (4!^2 + 6) \times 4 + 8! = 8! + (9+4!)^2 \times \sqrt{4}.$

$42768 := (4! + 2 + 7) \times \sqrt{6^8} = 8! + 6! + 72 \times 4!.$

$43188 := (4 \times (3!! - 1) + 8!) - 8 = 8! - 8 + (-1 + 3!!) \times 4.$

$43195 := 4 \times 3!! + (-1+9)! - 5 = -5 + (9-1)! + 3!! \times 4.$

$43196 := -4 + 3!! \times (1+9) \times 6 = 6 \times (9+1) \times 3!! - 4.$

$43198 := 4 \times 3!! + 1 - \sqrt{9} + 8! = 8! - \sqrt{9} + 1 + 3!! \times 4.$

$43199 := 4 \times 3!! - 1 + 9!/9 = 9!/9 - 1 + 3!! \times 4.$

$43203 := ((\sqrt{4}+3)!^2 + 0!) \times 3 = 3 \times (0! + (2+3)!^{\sqrt{4}}).$

$43204 := (4+0!)!^2 \times 3 + 4 = 4 + 3!!/2 \times (0! + 4)!.$

$43208 := 4 \times (3!! + 2) - 0 + 8! = 8! + (0 + 2 + 3!!) \times 4.$

$43248 := 4 \times 3!! + 2 \times 4! + 8! = 8! + 4! \times 2 + 3!! \times 4.$

$43264 := 4^3 \times \sqrt{26^4} = (4! \times 6 + 2^{3!})^{\sqrt{4}}.$

$43356 := -4! + (3 + 3!!) \times \sqrt{5 \times 6!} = \sqrt{(6! \times 5) \times (3 + 3!!)} - 4!.$

$43536 := -4! + \sqrt{3!! \times 5} \times (3! + 6!) = (6 + 3!!) \times \sqrt{5 \times 3!!} - 4!.$

$43584 := ((4! + 3) \times 5! + 8!) + 4! = 4! + 8! + 5! \times (3 + 4!).$

$43676 := (-4 + 3!!) \times (67 - 6) = (67 - 6) \times (3!! - 4).$

$43688 := 4^{3!} - 6! + 8! - 8 = (8 + 8^6)/3! - 4.$

$43769 := -4 \times 3!! - 7 + 6^{(\sqrt{9})!} = (\sqrt{9})!^6 - 7 - 3!! \times 4.$

$43896 := -4! - 3!! + 8! + (\sqrt{9})! \times 6! = (69 - 8) \times 3!! - 4!.$

$43915 := (\sqrt{4^3})! + ((\sqrt{9})!! - 1) \times 5 = 5 \times (-1 + (\sqrt{9})!!) + (3! + \sqrt{4})!.$

$43918 := -\sqrt{4} + 3!! \times ((\sqrt{9})! - 1) + 8! = 8! + (-1 + (\sqrt{9})!) \times 3!! - \sqrt{4}.$

$43935 := (\sqrt{4^3})! + (\sqrt{9} + 3!!) \times 5 = 5 \times (3 + (\sqrt{9})!!) + (3! + \sqrt{4})!.$

$43944 := 4! - 3!! \times \left(\sqrt{9} - \sqrt{\sqrt{\sqrt{4^{4!}}}}\right) = \left(\sqrt{\sqrt{\sqrt{4^{4!}}}} - \sqrt{9}\right) \times 3!! + 4!.$

$43965 := (\sqrt{4^3})! + \sqrt{9^6} \times 5 = 5 \times (6! + 9) + (3! + \sqrt{4})!.$

$44416 := (4+4)! + 4^{1\times 6} = (-6 + 14)! + \sqrt{\sqrt{4^{4!}}}.$

$44496 := (4+4)! + (-4! + (\sqrt{9})!!) \times 6 = 6 \times ((\sqrt{9})!! - 4!) + (4+4)!.$

$44628 := (4 + \sqrt{4}) \times (6! - 2) + 8! = 8! + (-2 + 6!) \times (4 + \sqrt{4}).$

$44635 := (4+4)! + 6 \times 3!! - 5 = -5 + 3!! \times (64 - \sqrt{4}).$

$44636 := -4 + (\sqrt{4}+6)! + 3! \times 6! = 6 \times 3!! + (\sqrt{64})! - 4.$

$44637 := (4+4)! - 6! - 3 + 7! = 7! - 3 - 6! + (4+4)!.$

$44638 := \sqrt{4} - 4 + 6 \times 3!! + 8! = 8! + 3! \times 6! + \sqrt{4} - 4.$

$44664 := (4+4)! + 6 \times (6! + 4) = (4 + 6!) \times 6 + (4+4)!.$

$44668 := 4 + (4 + 6!) \times 6 + 8! = 8! + 6 \times (6! + 4) + 4.$

$44688 := (4 + \sqrt{4}) \times (6! + 8) + 8! = 8! + (8 + 6!) \times (4 + \sqrt{4}).$

$44764 := \sqrt{4} \times (4! + 7) \times (6! + \sqrt{4}) = (\sqrt{4} + 6!) \times (7 + 4!) \times \sqrt{4}.$

$44782 := -4!^{\sqrt{4}} + 7! + 8! - 2 = -2 + 8! + 7! - 4!^{\sqrt{4}}.$

$44784 := -4! \times (4! - (7! + 8!)/4!) = 4! \times ((8! + 7!)/4! - 4!).$

$44896 := 4^4 + 8! + (\sqrt{9})! \times 6! = -6! + 9!/8 + 4^4.$

$44928 := 4^4 \times 9 \times 2 + 8! = 8! + 2 \times 9 \times 4^4.$

$44942 := (4 - 4! \times 9)^{\sqrt{4}} - 2 = -2 + (-4 + 9 \times 4!)^{\sqrt{4}}.$

$45056 := 4^{5+0!} \times (5+6) = (6+5) \times \sqrt{\sqrt{(-0! + 5)^4}}!.$

$45099 := (-4! - 5 + (0! + (\sqrt{9})!)!) \times 9 = 9 \times (((\sqrt{9})! + 0!)! - 5 - 4!).$

$45189 := (-4! + 5 + (-1 + 8)!) \times 9 = 9 \times ((8-1)! + 5 - 4!).$

$45279 := -(4+5)^2 + 7! \times 9 = 9 \times 7! - (-2+5)^4.$

$45297 := (4+5) \times (2 - 9 + 7!) = (7! - 9 + 2) \times (5+4).$

$45306 := ((6 + 0!)! - 3!) \times (5+4) = (4+5) \times ((3! + 0!)! - 6).$

$45315 := (4+5) \times ((3!+1)! - 5) = (-5 + (1 + 3!)!) \times (5+4).$

$45319 := 4 + (-5 + (3! + 1)!) \times 9 = 9 \times ((1+3!)! - 5) + 4.$

$45333 := ((\sqrt{4}+5)! - 3) \times 3 \times 3 = 3 \times 3 \times (-3 + (5 + \sqrt{4})!).$

$45336 := -4! + (\sqrt{5 \times 3!!} + 3) \times 6! = 63 \times 3! \times 5! - 4!.$

$45339 := (\sqrt{4}+5) \times (-3 + 3!! \times 9) = (9 \times 3!! - 3) \times (5 + \sqrt{4}).$

$45342 := (4+5) \times ((3+4)! - 2) = (-2 + (4+3)!) \times (5+4).$

$45348 := (\sqrt{4}+5)! - 3 \times 4 + 8! = 8! - 4 \times 3 + (5 + \sqrt{4})!.$

$45355 := (4+5)!/(3+5) - 5 = -5 + (5! + 3!!) \times 54.$

$45356 := -4 + 5! \times 3 \times (5! + 6) = (6 + 5!) \times 3 \times 5! - 4.$

$45357 := -\sqrt{4^{5\times 3}} + 5^7 = 7! - 5 + (3+5)! + \sqrt{4}.$

$45358 := (\sqrt{4}+5)! + 3 - 5 + 8! = 8! - 5 + 3 + (5 + \sqrt{4})!.$

$45373 := -\sqrt{4} + (5 + 3 \times 7!) \times 3 = 3 \times (7! \times 3 + 5) - \sqrt{4}.$

$45375 := \sqrt{4+5} \times (3 \times 7! + 5) = (5 + 7! \times 3) \times \sqrt{5+4}.$

$45377 := 4! + (5+3)! + 7! - 7 = 7! - 7 + (3+5)! + 4!.$

$45378 := (4+5) \times (-3! + 7! + 8) = (8 + 7! - 3!) \times (5+4).$

$45379 := 4 + 5 \times 3 + 7! \times 9 = 9 \times 7! + 3 \times 5 + 4.$

$45384 := (4! - 5 \times 3)!/8 + 4! = 4! + 8! + (3! + 5 - 4)!.$

$45387 := (4+5) \times 3 + 8! + 7! = 7! + 8! + 3 \times (5+4).$

$45393 := ((\sqrt{4}+5)! + 3) \times 9 + 3! = 3! + 9 \times (3 + (5 + \sqrt{4})!).$

$45395 := (\sqrt{4}+5) \times (3!! \times 9 + 5) = (5 + 9 \times 3!!) \times (5 + \sqrt{4}).$

$45397 := \sqrt{4} + (5 + 3!! \times 9) \times 7 = 7! \times 9 + 35 + \sqrt{4}.$

$45632 := -4^5 + 6^{3\times 2} = 2^{3!} \times (6! - 5 - \sqrt{4}).$

$45679 := 4 + (5 + 6!) \times 7 \times 9 = 9 \times 7 \times (6! + 5) + 4.$

$45837 := 4 \times 5! + 8! - 3 + 7! = 7! - 3 + 8! + 5! \times 4.$

$45888 := 4! \times (5! \times (8+8) - 8) = (-8 + (8+8) \times 5!) \times 4!.$

$45927 := ((4+5) \times 9)^2 \times 7 = 7 \times ((2 - (\sqrt{9})! - 5)^4.$

$45933 := \sqrt{4} - 5 - (\sqrt{9})!! + 3!^{3!} = 3!^{3!} - (\sqrt{9})!! - 5 + \sqrt{4}.$

$45934 := (\sqrt{4+5})!^{(\sqrt{9})!} - 3!! - \sqrt{4} = -\sqrt{4} - 3!! + (\sqrt{9})!^{(\sqrt{5+4})!}.$

$45936 := (45-9)^3 - 6! = 6^{3!} - (9 - \sqrt{5+4})!.$

$45939 := (\sqrt{4+5})!^{(\sqrt{9})!} - 3!! + \sqrt{9} = (\sqrt{9})!^{3!} - (\sqrt{9})!! + 5 - \sqrt{4}.$

$45958 := -\sqrt{4} - 5! + (\sqrt{9})!! \times 5! - 8! = -8! - 5! + (\sqrt{9})!! \times 5! - \sqrt{4}.$

$45964 := 4 - 5! + (\sqrt{9})!! \times 64 = \sqrt{4^6} \times (\sqrt{9})!! - 5! + 4.$

$45984 := (4! \times 5! - (\sqrt{9})!) \times 8 \times \sqrt{4} = \sqrt{4} \times 8 \times (-(\sqrt{9})! + 5! \times 4!).$

$45985 := ((\sqrt{4} + 5)! + 9!)/8 - 5 = \sqrt{5^8} + 9 \times (5 + \sqrt{4})!.$

$46016 := -(4 + 60) \times (1 - 6!) = (6! - 1) \times (0 + 64).$

$46048 := (\sqrt{4} \times 6! - 0!) \times 4 \times 8 = 8 \times 4 \times (-0! + 6! \times \sqrt{4}).$

$46056 := -4! + 6! \times \sqrt{(-0! + 5)^6} = (65 - 0!) \times 6! - 4!.$

$46072 := 4 \times (6! - 0! + 7!) \times 2 = 2 \times (7! - 0! + 6!) \times 4.$

$46075 := \sqrt{4^6} \times (-0! + 7)! - 5 = -5 + (7 - 0!)! \times 64.$

$46078 := -\sqrt{4} + (6! + 0 + 7!) \times 8 = 8 \times (7! + 0 + 6!) - \sqrt{4}.$

$46079 := -\sqrt{4} + 6! + 0! + 7! \times 9 = 9 \times 7! + 0! + 6! - \sqrt{4}.$

$46137 := \sqrt{4^6} \times (1 + 3!!) - 7 = -7 + (3!! + 1) \times 64.$

$46144 := 4 \times (6! + 1) \times 4 \times 4 = 4 \times 4 \times (1 + 6!) \times 4.$

$46146 := \sqrt{4} + (6! + 1) \times \sqrt{4^6} = 64 \times (1 + 6!) + \sqrt{4}.$

$46208 := (\sqrt{4} + 6!) \times 2^{(\sqrt{0!+8})!} = 8^{0+2} \times (6! + \sqrt{4}).$

$46288 := (4! + 6! + 2) \times 8 + 8! = 8! + 8 \times (2 + 6! + 4!).$

$46336 := (4 + 6!) \times (3!/3)^6 = (6/3)^{3!} \times (6! + 4).$

$46368 := 4 \times (6! + 3^6) \times 8 = 8 \times (6! + 3^6) \times 4.$

$46466 := \sqrt{4} + 64 \times (6 + 6!) = (6 + 6!) \times \sqrt{4^6} + \sqrt{4}.$

$46536 := -4 \times 6 \times 5 + 3!^6 = 6^{3!} - 5 \times 6 \times 4.$

$46558 := \sqrt{4} \times (-6 + 5^5 + 8!) = 8! + (5^5 - 6) \times \sqrt{4}.$

$46566 := (-4! + 6) \times 5 + 6^6 = 6^6 + 5 \times (6 - 4!).$

$46584 := (4 + 6!) \times 5! - 8! + 4! = 4! - 8! + 5! \times (6! + 4).$

$46593 := \sqrt{4} - 65 + (\sqrt{9})!^{3!} = 3!^{(\sqrt{9})!} - (5! + 6)/\sqrt{4}.$

$46596 := (-4 + 6^5 - (\sqrt{9})!) \times 6 = 6^{(\sqrt{9})!} - 56 - 4.$

$46624 := -4! + 6^6 - 2 \times 4 = -4 \times 2 + 6^6 - 4!.$

$46625 := -4! + 6^6 - 2 - 5 = -5 - 2 + 6^6 - 4!.$

$46626 := -4 + 6^6 - 26 = \sqrt{6^{2\times 6}} - 6 - 4!.$

$46627 := -\sqrt{4} + 6^6 - 27 = -7 + 2 + 6^6 - 4!.$

$46628 := -4! + 6^6 - \sqrt{2 \times 8} = -(8/2)! + 6^6 - 4.$

$46629 := \sqrt{4} + 6^6 - 29 = -\sqrt{\sqrt{9^2}} + 6^6 - 4!.$

$46631 := -4! + (6 \times 6)^3 - 1 = -1 + \sqrt{36^6} - 4!.$

$46632 := -4 \times 6 + 6^{3\times 2} = (2 \times 3)^6 - 6 \times 4.$

$46633 := 4 + 6^6 - 3^3 = 3/3 + 6^6 - 4!.$

$46634 := \sqrt{4} + 6^6 - 3! \times 4 = \sqrt{4} + \sqrt{36^6} - 4!.$

$46636 := -\sqrt{4} + 6^6 - 3 \times 6 = -6 \times 3 + 6^6 - \sqrt{4}.$

$46637 := \sqrt{4} + 6^6 - 3 \times 7 = -7 \times 3 + 6^6 + \sqrt{4}.$

$46638 := -4 - 6 + 6^{3!} - 8 = -8 - 3! + 6^6 - 4.$

$46639 := -\sqrt{4} - 6 + 6^{3!} - 9 = -9 + 3!^6 - \sqrt{64}.$

$46642 := -2^4 + 6^6 + \sqrt{4} = \sqrt{4} + 6^6 - 4^2.$

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

$46645 := -4 + 6^6 - \sqrt{4} - 5 = -5 - \sqrt{4} + 6^6 - 4.$

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

$46647 := \sqrt{4} + 6^6 - 4 - 7 = -7 + \sqrt{4} + 6^6 - 4.$

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

$46649 := 4 + 6^6 - \sqrt{4} - 9 = -9 - \sqrt{4} + 6^6 + 4.$

$46651 := -4 + 6 \times 6^5 - 1 = -1^5 + 6^6 - 4.$

$46652 := -4 + (6 \times 6)^{5-2} = (2 - 5 + 6)!^6 - 4.$

$46653 := -4 + 6^6 - 5 + 3! = 3! - 5 + 6^6 - 4.$

$46654 := \sqrt{4} + 6 \times 6^5 - 4 = ((-4 + 5) \times 6)^6 - \sqrt{4}.$

$46655 := 4 + 6 \times 6^5 - 5 = 5/5 + 6^6 - \sqrt{4}.$

$46656 := ((4 \times 6 + 6)/5)^6 = 6^{(5\times 6 - 6\times 4)}.$

$46658 := \sqrt{4} + 6^{(6+5-8)!} = (8 - 5)! + 6^6 - 4.$

$46659 := 4 + 6^6 + 5 - (\sqrt{9})! = (\sqrt{9})!^5 \times 6 + 6/\sqrt{4}.$

$46672 := \sqrt{4} + 6^6 + 7 \times 2 = 2 \times 7 + 6^6 + \sqrt{4}.$

$46673 := 4 + 6^6 + 7 + 3! = 3 \times 7 + 6^6 - 4.$

$46674 := 4 + 6^6 + 7 \times \sqrt{4} = \sqrt{4} \times 7 + 6^6 + 4.$

$46679 := \sqrt{4} + 6^6 + 7 \times \sqrt{9} = \sqrt{9} \times 7 + 6^6 + \sqrt{4}.$

$46692 := 4! + 6^6 + (\sqrt{9})! \times 2 = (2 \times \sqrt{9})^6 + \sqrt{6^4}.$

$46694 := \sqrt{4} + 6^6 + 9 \times 4 = 4 \times 9 + 6^6 + \sqrt{4}.$

$46695 := 4! + 6^6 + \sqrt{9} \times 5 = 5 \times \sqrt{9} + 6^6 + 4!.$

$46696 := 46 + 6^{(\sqrt{9})!} - 6 = 6^{(\sqrt{9})!} + 6 \times 6 + 4.$

$46704 := 4! + 6^{(7-0!)} + 4! = 4! + (-0! + 7)^6 + 4!.$

$46793 := 4! \times 6 - 7 + (\sqrt{9})!^{3!} = 3!! \times 9 - 7 + (\sqrt{64})!.$

$46795 := \sqrt{4} \times 6! + 7! \times 9 - 5 = -5 + 9 \times 7! + 6! \times \sqrt{4}.$

$46796 := -4 + 6! + 7! \times 9 + 6! = 6! + 9 \times 7! + 6! - 4.$

$46798 := -\sqrt{4} + 6! \times (-7 + 9 \times 8) = (8 \times 9 - 7) \times 6! - \sqrt{4}.$

$46818 := (\sqrt{4} + 6!) \times \sqrt{81} + 8! = 8! + (1 + 8) \times (6! + \sqrt{4}).$

$46836 := \sqrt{4} \times 6!/8 + 3!^6 = 6^{(\sqrt{\sqrt{\sqrt{3^8}}})!} + 6!/4.$

$46848 := 4! \times 68 \times 4 + 8! = \sqrt{8^4} \times (8 + 6! + 4).$

$46896 := (4! + 6) \times 8 + (\sqrt{9})!^6 = 6^{(\sqrt{9})!} + 8 \times (6 + 4!).$

$47038 := -\sqrt{4} + (7 + 0!)!/3! + 8! = 8!/3! \times (0 + 7) - \sqrt{4}.$

$47368 := (-4 + 7)!! + 3!^6 - 8 = -8 + 6! + 3!^{(7-4)!}.$

$47376 := (-4 + 7)!! + 3!^7/6 = 6^7/3! + (7 - 4)!!.$

$47393 := 4! - 7 + 3!! + (\sqrt{9})!^{3!} = 3!^{(\sqrt{9})!} + 3!! - 7 + 4!.$

$47476 := (4 + 7) \times (-4 + 7! - 6!) = (-6! + 7! - 4) \times (7 + 4).$

$47488 := 4 \times 7 \times \sqrt{4^8} + 8! = 8! + 8^4 \times 7/4.$

$47496 := 4 \times 7!/4! + (\sqrt{9})!^6 = 6 \times ((\sqrt{9})!! \times (4 + 7) - 4).$

$47664 := (4! + 7!) \times 6 + 6! \times 4! = 4! \times (6! + 6 + 7!/4).$

$48096 := \sqrt{4} \times (\sqrt{8 + 0!})!! + (\sqrt{9})!^6 = \sqrt{6^{9+0!}} + (\sqrt{\sqrt{8^4}})!.$

$48386 := \sqrt{4} + 8!/(-3 + 8) \times 6 = 6 \times 8!/(-3 + 8) + \sqrt{4}.$

$48388 := 4 + 8!/(-3 + 8) + 8! = 8!/(8 - 3) + 8! + 4.$

$48408 := 4! + 8!/(4 + 0!) + 8! = 8!/(0! + 4) + 8! + 4!.$

$48864 := (-4! + \sqrt{8^8}) \times 6 \times \sqrt{4} = \sqrt{4} \times 6 \times (\sqrt{8^8} - 4!).$

$48936 := 4 \times ((8 + 9) \times 3!! - 6) = 6! \times (3 + 9) + 8! - 4!.$

$48955 := 4! \times (8 + 9) \times 5! - 5 = -5 + 5! \times (9 + 8) \times 4!.$

$48956 := -4 + (8 + \sqrt{(\sqrt{9})!! \times 5}) \times 6! = 6! \times 5 + 9!/8 - 4.$

$48958 := -\sqrt{4} + 8! + 9 \times 5! \times 8 = 8 \times 5! \times 9 + 8! - \sqrt{4}.$

$49152 := 4! \times (\sqrt{9} + 1)^5 \times 2 = \sqrt{2^{(5-1)!} \times 9} \times 4.$

$49164 := (4^{(\sqrt{9})!} + 1) \times 6 \times \sqrt{4} = (4^6 + 1) \times \sqrt{9} \times 4.$

$49224 := 4! \times (\sqrt{9} + \sqrt{2^{(-2+4!)}}) = (\sqrt{\sqrt{4^{22}}} + \sqrt{9}) \times 4!.$

$49248 := 4 \times \sqrt{9} \times (\sqrt{2^{4!}} + 8) = 8! + 4!/2 \times ((\sqrt{9})!! + 4!).$

$49284 := (4! \times 9 - 2 + 8)^{\sqrt{4}} = (4! - 82 \times \sqrt{9})^{\sqrt{4}}.$

$49335 := (-4! + 93) \times (3!! - 5) = (-5 + 3!!) \times (-3 + \sqrt{9} \times 4!).$

$49536 := 4 \times (\sqrt{9})! \times 5! + 3!^{6} = 6^{3!} + 5! \times (\sqrt{9})! \times 4.$

$49656 := -4! + (9 + \sqrt{6! \times 5}) \times 6! = 6 \times 5! \times 69 - 4.$

$49669 := -\sqrt{4} - 9 + 6! \times 69 = -9 + 6! \times 69 - \sqrt{4}.$

$49678 := -\sqrt{4} + (\sqrt{9})!! \times (6 + 7) + 8! = 8! + (7 + 6) \times (\sqrt{9})!! - \sqrt{4}.$

$49697 := 4! + (\sqrt{9})!! \times 69 - 7 = -7 + (\sqrt{9})!! \times 69 + 4!.$

$49704 := 4! + (\sqrt{9})!! \times (\sqrt{7! + 0!} - \sqrt{4}) = (-\sqrt{4} + \sqrt{0! + 7!}) \times (\sqrt{9})!! + 4!.$

$49729 := (4! \times 9 + 7)^{\sqrt{-2+(\sqrt{9})!}} = ((\sqrt{9} + 2)! - 7^{\sqrt{9}})^{\sqrt{4}}.$

$49923 := ((-4 + 9)! + 9)^{2} \times 3 = 3 \times ((2 + \sqrt{9})! + 9)^{\sqrt{4}}.$

$49928 := (-\sqrt{4} + 9 \times 9)^{2} \times 8 = 8 \times (-2 + 9 \times 9)^{\sqrt{4}}.$

$49956 := (4 + (\sqrt{9})!!) \times (9 + \sqrt{5 \times 6!}) = (\sqrt{6! \times 5} + 9) \times ((\sqrt{9})!! + 4).$

$50275 := -5! + (-0! + 2 \times 7!) \times 5 = 5 \times (7! \times 2 - 0!) - 5!.$

$50375 := (-5 + (-0! + 3) \times 7!) \times 5 = 5 \times (7! \times (3 - 0!) - 5).$

$50384 := \sqrt{4} \times (-8 + (3! + 0!)! \times 5) = (5 \times (0! + 3!)! - 8) \times \sqrt{4}.$

$50394 := (5 \times (0! + 3!)! - \sqrt{9}) \times \sqrt{4} = \sqrt{4} \times (-\sqrt{9} + (3! + 0!)! \times 5).$

$50395 := ((5 + 9) \times 3!! - 0!) \times 5 = 5 \times (-0! + 3!! \times (9 + 5)).$

$50688 := ((5 + 0!)^{6} - 8!) \times 8 = 8 \times (-8! + 6^{0!+5}).$

$50765 := \sqrt{(5 \times 0)! + 7!} \times (6! - 5) = (-5 + 6!) \times \sqrt{7! + (0/5)!}.$

$50769 := (-5! + 0! + 7! + 6!) \times 9 = 9 \times (6! + 7! + 0! - 5!).$

$50907 := ((5 + 0!)! - \sqrt{9}) \times \sqrt{0! + 7!} = \sqrt{7! + 0!} \times (-\sqrt{9} + (0! + 5)!).$

$50976 := (5 + 0!)^{(\sqrt{9})!} + 7! - 6! = -6! + 7! + (\sqrt{9})!^{0!+5}.$

$51373 := (5 + 1)! + 37^{3} = 37^{3} + (1 + 5)!.$

$51696 := (5 - 1)! \times (6! \times \sqrt{9} - 6) = 6^{(\sqrt{9})!} + (6 + 1^{5})!.$

$51737 := 5! + \sqrt{1 + 7!} \times (3!! + 7) = (7 + 3!!) \times 71 + 5!.$

$51968 := 5! + (1 + 9 \times 6!) \times 8 = 8 \times (6! \times 9 + 1) + 5!.$

$53424 := 53 \times 42 \times 4! = 424 \times (3! + 5!).$

$53495 := -5^{3!} + 4!^{\sqrt{9}} \times 5 = -5^{(\sqrt{9})!} + 4!^{3} \times 5.$

$53557 := (-5 + 3!^{5} - 5!) \times 7 = -7 \times (5! + 5 - 3!^{5}).$

$53592 := (-5! + 3!^{5}) \times (9 - 2) = (-2 + 9) \times (-5! + 3!^{5}).$

$53658 := (5! - 3) \times (-6 + 5!) + 8! = 8! + (5! - 6) \times (-3 + 5!).$

$53985 := -5 \times (3 - (\sqrt{9})!!/8 \times 5!) = (5!/8 \times (\sqrt{9})!! - 3) \times 5.$

$53995 := 5 \times 3!! \times (9 + (\sqrt{9})!) - 5 = 5 \times (\sqrt{9})!! \times (9 + 3!) - 5.$

$54549 := (-5 + 4!) \times (5! \times 4! - 9) = (-9 + 4! \times 5!) \times (4! - 5).$

$54644 := (-5 + 4!) \times (6! \times 4 - 4) = (-4 + 4 \times 6!) \times (4! - 5).$

$54744 := (-5 \times 4! + 7^{4}) \times 4! = (\sqrt{4 \times 4})! \times (7^{4} - 5!).$

$54864 := 5!^{\sqrt{4}} + 8! + 6 \times 4! = \sqrt{4!^{6}} + 8! + (\sqrt{4 + 5})!!.$

$55296 := (5!/5)^{2} \times 96 = 6 \times 9 \times 2^{5+5}.$

$55375 := -5! + (5 + 3!) \times (7! + 5) = (5 + 7!) \times (3! + 5) - 5!.$

$55379 := 5 + (5 + 3!) \times (7! - (\sqrt{9})!) = (-(\sqrt{9})! + 7!) \times (3! + 5) + 5.$

$55435 := -5 + (5 + \sqrt{4})! \times (3! + 5) = (5 + 3!) \times (\sqrt{4} + 5)! - 5.$

$55438 := 5! \times 5! - \sqrt{4} + 3!! + 8! = 8! + 3!! - \sqrt{4} + 5! \times 5!.$

$55473 := \sqrt{5! + 5 - 4} \times (7! + 3) = (3 + 7!) \times ((\sqrt{4 + 5})! + 5).$

$55495 := (5 + (5 + \sqrt{4})!) \times ((\sqrt{9})! + 5) = (5 + (\sqrt{9})!) \times ((\sqrt{4} + 5)! + 5).$

$55715 := (5 \times 5 + 7!) \times \sqrt{1 + 5!} = \sqrt{5! + 1} \times (7! + 5 \times 5).$

$56448 := (5! + 6) \times 448 = 8! \times (4/4 + 6)/5.$

$56544 := (5! - 6) \times (5! + 4) \times 4 = 4 \times (4 + 5!) \times (-6 + 5!).$

$56568 := 5! + (6^{5} - 6!) \times 8 = 8 \times (6^{5} - 6!) + 5!.$

$56755 := (5 + 6) \times (7! + 5!) - 5 = -5 + (5! + 7!) \times (6 + 5).$

$57464 := 5! + 7 \times 4^{6} \times \sqrt{4} = 4^{6} \times \sqrt{4} \times 7 + 5!.$

$57595 := (5 + 75) \times (\sqrt{9})!! - 5 = -5 + (\sqrt{9})!! \times (5 + 75).$

$57602 := (5 \times (7! + 6!) + 0!) \times 2 = 2 \times (0! + (6! + 7!) \times 5).$

$57624 := 5 \times (7! + 6!) \times 2 + 4! = 4! + 2 \times (6! + 7!) \times 5.$

$57625 := (5 + (7! + 6!) \times 2) \times 5 = (5 + 2 \times (6! + 7!)) \times 5.$

$57648 := (-5 + 7 + 6!) \times 4! + 8! = 8! + 4! \times (6! + 7 - 5).$

$58325 := 5 + 8! + 3!! \times 25 = 5^{2} \times 3!! + 8! + 5.$

$58929 := -\left(\sqrt{\sqrt{\sqrt{5^{8}}}}\right)! + 9^{2+\sqrt{9}} = \sqrt{9^{\sqrt{2+98}}} - 5!.$

$59037 := -5 + 9^{(-0!+3!)} - 7 = -7 + 3^{0!+9} - 5.$

$59042 := -5 + 9^{0!+4} - 2 = -2 - 4 - 0! + 9^{5}.$

$59044 := -5 + 9^{(0/4)!+4} = -4 - (4 \times 0)! + 9^{5}.$

$59047 := 5 + 9^{0!+4} - 7 = -7 + 4 + 0! + 9^{5}.$

$59049 := (5 + \sqrt{9} + 0!)^{4} \times 9 = (94 \times 0 + 9)^{5}.$

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

$59163 := -3! + (6 - 1)! + 9^{5} = 5! + 9^{(-1+6)} - 3!.$

$59169 := 5! + 9^{\sqrt{16+9}} = 9^{\sqrt{6+19}} + 5!.$

$59319 := (5 + \sqrt{9} + 31)^{\sqrt{9}} = 9 \times ((-1 + 3!!) \times 9 + 5!).$

$59399 := -5! \times 9 + (-3! + 9!)/(\sqrt{9})! = (9! - (\sqrt{9})!)/3! - 9 \times 5!.$

$59439 := 5! + (9 \times 4 + 3)^{\sqrt{9}} = (9 + 3! + 4!)^{\sqrt{9}} + 5!.$

$59535 := (5^{\sqrt{9}} + 5!) \times 3^{5} = (5^{3} + 5!) \times \sqrt{9^{5}}.$

$59639 := -5! + (9! - 6)/3! - (\sqrt{9})!! = (9! - 3!)/6 - (\sqrt{9})!! - 5!.$

$59649 := -5! + \sqrt{9^{6+4}} + (\sqrt{9})!! = -(9 - 4)! + 6! + 9^{5}.$

$59755 := -5 + 9 \times 7! + 5! \times 5! = 5! \times 5! + 7! \times 9 - 5.$

$59897 := (5! - \sqrt{9}) \times 8^{\sqrt{9}} - 7 = 7!/(\sqrt{9})! + 8 + 9^{5}.$

$59984 := 5 + \sqrt{9^{9}} + 8! - 4! = -4! + 8! + \sqrt{9^{9}} + 5.$

$59989 := -9 + 8! + \sqrt{9^{9}} - 5 = -5 + \sqrt{9^{9}} + 8! - 9.$

$59998 := -5 + (9/\sqrt{9})^{9} + 8! = 8! + (9/\sqrt{9})^{9} - 5.$

$60384 := 6 \times ((0! + 3!)! - 8) \times \sqrt{4} = \sqrt{4} \times (-8 + (3! + 0!)!) \times 6.$

$60432 := ((6 + 0!)! - 4) \times 3! \times 2 = 2 \times 3! \times (-4 + (0! + 6)!).$

$60472 := 6 \times (-0! + \sqrt{4} \times 7!) - 2 = -2 + (7! \times \sqrt{4} - 0!) \times 6.$

$60473 := -6 - 0! + 4 \times 7! \times 3 = 3 \times 7! \times 4 - 0! - 6.$

$60474 := -6 + (-0! + 4) \times 7! \times 4 = 4 \times 7! \times (4 - 0!) - 6.$

$60475 := 6 \times \sqrt{0 + 4} \times 7! - 5 = -5 + 7! \times \sqrt{4} \times (0 + 6).$

$60478 := 6 \times (0! + \sqrt{4} \times 7!) - 8 = -8 + (7! \times \sqrt{4} + 0!) \times 6.$

$60479 := -(6 \times 0)! + 4 \times 7! \times \sqrt{9} = (9! - (7 - 4)!)/(0 + 6).$

$60492 := 6 \times (0! + (\sqrt{49})!) \times 2 = 2 \times ((9 - \sqrt{4})! + 0!) \times 6.$

$60499 := (-6 + (0! + 4)! + 9!)/(\sqrt{9})! = 9!/(\sqrt{9})! + 4! + 0! - 6.$

$60564 := (6! + 0!) \times (5! - \sqrt{6^{4}}) = (4! + \sqrt{6! \times 5}) \times (0! + 6!).$

$60596 := (6! - (-0! + 5)! + 9!)/6 = (6! + 9! - (5 - 0!)!)/6.$

$60599 := (6! - 0! - 5 + 9!)/(\sqrt{9})! = (9! - (\sqrt{9})! + (5 + 0!)!)/6.$

$60624 := 6 \times ((0! + 6)! \times 2 + 4!) = (4! + 2 \times (6 + 0!)!) \times 6.$

$61199 := 6! - 1 + 1 \times 9!/(\sqrt{9})! = 9!/(\sqrt{9})! - 1 + 1 \times 6!.$

$62496 := 62 \times \sqrt{4} \times 9!/6! = 6^{(\sqrt{9})!} + (4! - 2) \times 6!.$

$62784 := 6 \times 2 \times (7! + 8 \times 4!) = (4! \times 8 + 7!) \times 2 \times 6.$

$63884 := (6 + 3!!) \times 88 - 4 = -4 + 88 \times (3! + 6!).$

$64776 := (6! - 4 + 7! + 7!) \times 6 = (6! + 7! + 7! - 4) \times 6.$

$64795 := 6 \times (\sqrt{4} \times 7! + (\sqrt{9})!!) - 5 = -5 + (\sqrt{9})! \times (7! \times \sqrt{4} + 6!).$

$65544 := 6! \times (5! - 5 - 4!) + 4! = 4! + (-4! - 5 + 5!) \times 6!.$

$65664 := 6! \times 5! - (6 + 6)^{4} = (-4! \times 6 + 6!) \times (5! - 6).$

$66144 := (-6! + (6! - 1) \times 4!) \times 4 = 4 \times (4! \times (-1 + 6!) - 6!).$

$66248 := 6! - 6 - 2 + 4^8 = -8 + 4^{2+6} + 6!.$

$66339 := (6 \times 6)^3 + 3^9 = (9 \times 3)^3 + 6^6.$

$66784 := 6^6 + (7! - 8) \times 4 = 4 \times (-8 + 7!) + 6^6.$

$66954 := -6 + 6! \times (95 - \sqrt{4}) = (-4! + 5! - \sqrt{9}) \times 6! - 6.$

$66955 := 6! \times (-\sqrt{6! + 9} + 5!) + 5 = -5 + (5! - \sqrt{\sqrt{9^6}}) \times 6!.$

$67199 := (-6 + (7 + 1)! + 9!)/(\sqrt{9})! = (9! - (\sqrt{9})! + (1 + 7)!)/6.$

$68544 := (6! - (8 - 5)!) \times 4! \times 4 = 4 \times 4! \times ((-5 + 8)!! - 6).$

$68644 := (6 + \sqrt{8^6/4})^{\sqrt{4}} = (4^4 + 6)(8 - 6).$

$69024 := 6 \times ((\sqrt{9})!! - 0!) \times 2^4 = ((4 + 2)! - 0!) \times 96.$

$69144 := 6! \times (\sqrt{9} + 1) \times 4! + 4! = 4! + (4 - 1)!! \times 96.$

$69168 := 6 \times ((\sqrt{9})!! \times 16 + 8) = 8 \times (6! + 1 + (\sqrt{9})!!) \times 6.$

$69255 := (6! + 9) \times (-25 + 5!) = (5! - 5^2) \times \sqrt{9^6}.$

$69264 := (6 + (\sqrt{9})!! \times (-2 + 6)) \times 4! = 4! \times ((6 - 2) \times (\sqrt{9})!! + 6).$

$69404 := ((6! + \sqrt{9}) \times 4! - 0!) \times 4 = 4 \times (-0! + 4! \times (\sqrt{9} + 6!)).$

$69595 := 6! + ((\sqrt{9})!! + 5) \times 95 = -5 + ((\sqrt{9})!! + 5) \times 96.$

$69777 := -6! + (-9 + 7! + 7!) \times 7 = 7 \times (7! + 7! - 9) - 6!.$

$69786 := -6 \times (9 - 7!) + 8! - 6! = -6! + 8! + (7! - 9) \times 6.$

$69798 := -6! + (-\sqrt{9} + 7!) \times ((\sqrt{9})! + 8) = (8 + (\sqrt{9})!) \times (7! - \sqrt{9}) - 6!.$

$69837 := 6! \times (\sqrt{9})!!/8 - 3 + 7! = 7! \times (3! + 8) - \sqrt{9} - 6!.$

$69848 := 6 \times (\sqrt{9})!! - 8 + 4^8 = -8 + 4^8 + (\sqrt{9})! \times 6!.$

$69864 := 6! \times 98 - 6! + 4! = -4! + (6! + 8) \times 96.$

$69888 := 6 \times ((\sqrt{9})!! + 8) \times (8 + 8) = (8 + 8) \times (8 + (\sqrt{9})!!) \times 6.$

$69966 := -6! + 99 \times (6! - 6) = (6! - 6) \times 99 - 6!.$

$69984 := 6^9/(9 \times 8 \times \sqrt{4}) = (4 + 8) \times \sqrt{(9 + 9)^6}.$

$69993 := (6 + (\sqrt{9})!^{(\sqrt{9})!}) \times 9/3! = (3! + (\sqrt{9})!^{(\sqrt{9})!}) \times 9/6.$

$70476 := 7 \times \sqrt{0 + 4} \times (7! - 6) = (-6 + 7!) \times \sqrt{4} \times (0 + 7).$

$70497 := (7! \times \sqrt{0 + 4} - 9) \times 7 = 7 \times (-9 + \sqrt{4} \times (0 + 7)!).$

$70546 := (7! - 0!) \times (5 \times 4 - 6) = (-6 + 4 \times 5) \times (-0! + 7!).$

$70574 := 7 \times ((0/5)! + 7!) \times \sqrt{4} = \sqrt{4} \times (7! + (5 \times 0)!) \times 7.$

$70582 := (-7! + \sqrt{0! + 5!} + 8!) \times 2 = 2 \times (8! + \sqrt{5! + 0!} - 7!).$

$70584 := 7! \times (0! + 5 + 8) + 4! = 4! + (8 + 5 + 0!) \times 7!.$

$71273 := 7 \times (-1 + 2 \times 7!) + 3!! = 3!! + (7! \times 2 - 1) \times 7.$

$71568 := 71 \times (5! + 6) \times 8 = 8 \times (6 + 5!) \times \sqrt{1 + 7!}.$

$71993 := -7 + (1 + 99) \times 3!! = 3!! \times (9 + 91) - 7.$

$72035 := (7 + 20 \times 3!!) \times 5 = 5 \times ((3! - 0!)!^2 + 7).$

$72549 := (7 + 2)!/5 - 4! - \sqrt{9} = (\sqrt{\sqrt{9^4}})!/5 - 27.$

$72576 := (7 + 2)!/5 \times (7 - 6) = (\sqrt{6 + 75})!/(-2 + 7).$

$72585 := (7 + 2) \times (5 + 8!)/5 = (5 + 8!)/5 \times (2 + 7).$

$73079 := -7! + (3! - 0!)^7 - (\sqrt{9})! = -(\sqrt{9})! - 7! + (-0! + 3!)^7.$

$73085 := -7! + (3! - 0!)^8/5 = 5^{8-(0/3)!} - 7!.$

$73389 := (7! - 3 - 3!!) \times (8 + 9) = -(9 + 8) \times (3!! + 3 - 7!).$

$73433 := -7 + 34 \times 3 \times 3!! = 3!! \times 34 \times 3 - 7.$

$73435 := -5 + 3! \times (4! \times 3!! - 7!) = (-7! + 3!! \times 4!) \times 3! - 5.$

$73464 := (-7! + 3!! \times 4!) \times 6 + 4! = 4! + 6 \times (4! \times 3!! - 7!).$

$73474 := (7! - 3!! + \sqrt{4}) \times (-7 + 4!) = (4! - 7) \times (\sqrt{4} - 3!! + 7!).$

$73745 := 7^3 \times (7!/4! + 5) = (-5 + (-4 + 6!) \times 3!!)/7.$

$73975 := (7 \times 3!)^{\sqrt{9}} + 7 - 5! = -5! + (7 \times (\sqrt{9})!)^3 + 7.$

$74064 := 7! + 4 \times (-0! + 6!) \times 4! = 4 \times (6! - 0!) \times 4! + 7!.$

$74164 := 7! + 4 \times (1 + 6! \times 4!) = (4! \times 6! + 1) \times 4 + 7!.$

$74304 := 7! \times 4! - 3!^{(0! + \sqrt{4})!} = -(4 - 0!)!^{3!} + 4! \times 7!.$

$74431 := 7^{\sqrt{4 \times 4}} \times 31 = (1 + 3!)^4 \times (4! + 7).$

$74448 := -7! + \sqrt{4} \times (-4!^{\sqrt{4}} + 8!) = (8! - 4!^{\sqrt{4}}) \times \sqrt{4} - 7!.$

$74469 := (7 + 4 \times 4!) \times (6! + \sqrt{9}) = (\sqrt{9} + 6!) \times (4 \times 4! + 7).$

$74688 := (7! - 4! - 6!) \times 8 + 8! = 8! - 8 \times (6! + 4! - 7!).$

$74873 := -7 + \sqrt{4} \times 8! + 7! - 3!! = -3!! - 7! + 8! \times \sqrt{4} - 7.$

$75344 := 7! \times 5 \times 3 - 4^4 = -4^4 + 3 \times 5 \times 7!.$

$75468 := -7! - 5! + \sqrt{4} \times (-6 + 8!) = (8! - 6) \times \sqrt{4} - 5! - 7!.$

$75473 := -7 + 5 \times (-4! + 7! \times 3) = (3 \times 7! - 4!) \times 5 - 7.$

$75495 := (7! - 5 - \sqrt{4}) \times \sqrt{9} \times 5 = 5 \times \sqrt{9} \times ((\sqrt{4} + 5)! - 7).$

$75498 := -7! - 5! + \sqrt{4} \times (9 + 8!) = (8! + 9) \times \sqrt{4} - 5! - 7!.$

$75525 := (7! - 5) \times (5 - 2) \times 5 = 5 \times (-2 + 5) \times (-5 + 7!).$

$75543 := (7! \times 5 + 5 - 4!) \times 3 = 3 \times (-4! + 5 + 5 \times 7!).$

$75565 := (-7 + 5! \times (5! + 6)) \times 5 = 5 \times ((6 + 5!) \times 5! - 7).$

$75579 := (7! \times \sqrt{5 \times 5} - 7) \times \sqrt{9} = \sqrt{9} \times (7! \times \sqrt{5 \times 5} - 7).$

$75585 := (7! \times 5 - 5) \times (8 - 5) = (5 - 8) \times (5 - 5 \times 7!).$

$75593 := -7 + (5! - 5 \times \sqrt{9}) \times 3!! = 3!! \times (-\sqrt{9} \times 5 + 5!) - 7.$

$75595 := 7! \times \sqrt{5 \times 5 \times 9} - 5 = -5 + (-9 + 5!/5) \times 7!.$

$75603 := (7! \times 5 + (6 \times 0)!) \times 3 = 3 \times (0! + 6! \times 5 \times 7).$

$75618 := (7! \times 5 + 6) \times \sqrt{1 + 8} = \sqrt{\sqrt{81}} \times (6 + 5 \times 7!).$

$75635 := 7 \times (5 + 6! \times 3 \times 5) = (5 \times 3 \times 6! + 5) \times 7.$

$75637 := 7 + 5 \times (6 + 3 \times 7!) = (7! \times 3 + 6) \times 5 + 7.$

$75834 := -7! + (5! + 8! - 3) \times \sqrt{4} = \sqrt{4} \times (-3 + 8! + 5!) - 7!.$

$76356 := -7! + (6! - 3!) \times (5! - 6) = (-6 + 5!) \times (-3! + 6!) - 7!.$

$76896 := (7! + 6^{8-\sqrt{9}}) \times 6 = 6 \times (\sqrt{(\sqrt{9})!^8} \times 6 + 7!).$

$77634 := (-7 + 7! - 6!) \times (-3! + 4!) = (4! - 3!) \times (-6! - 7 + 7!).$

$78352 := (-7 \times 8 + 3!!) \times (5! - 2) = (-2 + 5!) \times (3!! - 8 \times 7).$

$79184 := (7! - 91) \times 8 \times \sqrt{4} = \sqrt{4} \times (8! - 1 - (\sqrt{9})!! - 7).$

$79195 := (7! \times \sqrt{9} - 1 + (\sqrt{9})!!) \times 5 = 5 \times ((\sqrt{9})!! - 1 + \sqrt{9} \times 7!).$

$79198 := (7 - 9) \times (1 + (\sqrt{9})!! - 8!) = (8! - (\sqrt{9})!! - 1) \times (9 - 7).$

$79335 := ((7! + 9) \times 3 + 3!!) \times 5 = 5 \times (3!! + 3 \times (9 + 7!)).$

$79488 := (7! - \sqrt{9} \times 4!) \times (8 + 8) = (8 + 8) \times (-4! \times \sqrt{9} + 7!).$

$79565 := 7! - ((\sqrt{9})!! - 5^6) \times 5 = 5 \times (-6! + 5^{(\sqrt{9})!}) + 7!.$

$79853 := (7 - (\sqrt{9})!!) \times (8 - 5!) - 3 = -3 + (5! - 8) \times ((\sqrt{9})!! - 7).$

$79854 := (7 - (\sqrt{9})!!) \times (8 - 5!) - \sqrt{4} = -\sqrt{4} + (5! - 8) \times ((\sqrt{9})!! - 7).$

$79859 := (7 - (\sqrt{9})!!) \times (8 - 5!) + \sqrt{9} = \sqrt{9} + (5! - 8) \times ((\sqrt{9})!! - 7).$

$79913 := -7 + (-9 + ((\sqrt{9})! - 1)!) \times 3!! = ((3! - 1)! - 9) \times (\sqrt{9})!! - 7.$

$79927 := 7 + (\sqrt{9})!! \times (-9 + (-2 + 7)!) = ((7 - 2)! - 9) \times (\sqrt{9})!! + 7.$

$80352 := (8! - (0 + 3)!!/5) \times 2 = 2 \times (-5! - (3 + 0!)! + 8!).$

$80394 := (8! - (-0! + 3!)! - \sqrt{(9)}) \times \sqrt{4} = \sqrt{4} \times 8! - (3 - 0!)^8.$

$80399 := -8! - 0! + (-3!! + 9!)/\sqrt{9} = (9! - (\sqrt{9})!!)/3 - 0! - 8!.$

$80402 := (8! + 0! - (4 + 0!)!) \times 2 = 2 \times (0! - (4 + 0!)! + 8!).$

$80424 := 4! + 2 \times (-(4 + 0!)! + 8!) = (8! - (0! + 4)!) \times 2 + 4!.$

$80448 := (8!/(0 + 4) - 4!) \times 8 = (8!/4 - 4!) \times (0 + 8).$

$80474 := (8! + 0!) \times \sqrt{4} - 7 \times 4! = -4! \times 7 + \sqrt{4} \times (0! + 8!).$

$80479 := (-8! + 0! - 4!) \times 7 + 9! = 9! - 7 \times (4! - 0! + 8!).$

$80494 := (8! - 0! - 4! \times \sqrt{9}) \times \sqrt{4} = \sqrt{4} \times (-\sqrt{9} \times 4! - 0! + 8!).$

$80497 := -8! + 0! + 4! \times (-(\sqrt{9})! + 7!) = (7! - (\sqrt{9})!) \times 4! + 0! - 8!.$

$80518 := 8! - 0! - 5! - 1 + 8! = 8! - 1 - 5! - 0! + 8!.$

$80519 := 8! - 0! - 5! + (-1 + 9)! = (9 - 1)! - 5! - 0! + 8!.$

$80528 := 8 + 0 - 5! + 2 \times 8! = 8! \times 2 - 5! + 0 + 8.$

$80534 := (8! + 0 - 53) \times \sqrt{4} = \sqrt{4} \times (-3 - 50 + 8!).$

$80572 := (8! + 0! - 5 \times 7) \times 2 = 2 \times (-7 \times 5 + 0! + 8!).$

$80584 := -8 + \sqrt{-0! + 5} \times (8! - 4!) = \sqrt{4} \times (8! - (5 - 0!)!) - 8.$

$80592 := (8! - (0 - 5 + 9)!) \times 2 = 2 \times (-(9 - 5)! + (0 + 8)!).$

$80594 := (8! + 0! - (-5 + 9)!) \times \sqrt{4} = \sqrt{4} \times (-(9 - 5)! + 0! + 8!).$

$80595 := 8! \times \sqrt{-0! + 5} - 9 \times 5 = -5 \times 9 + \sqrt{5 - 0!} \times 8!.$

$80622 := (8! - 0! - 6 - 2) \times 2 = 2 \times ((2 + 6)! - 0! - 8).$

$80623 := (8! - 0! - 6) \times 2 - 3 = -3 + 2 \times (-6 - 0! + 8!).$

$80624 := (8! + 0 - 6) \times 2 - 4 = -4 + 2 \times (-6 + 0 + 8!).$

$80625 := (8! + 0! - 6) \times 2 - 5 = -5 + 2 \times (-6 + 0! + 8!).$

$80626 := (8! - 0! - 6) \times \sqrt{-2 + 6} = \sqrt{(6 - 2)} \times (-6 - 0! + 8!).$

$80628 := 8! + 0 - 6 \times 2 + 8! = 8! - 2 \times 6 - 0 + 8!.$

$80629 := (8! - (0/6)!) \times 2 - 9 = \sqrt{9} + 2 \times (-6 - 0! + 8!).$

$80632 := (8! - 0! - 6 + 3) \times 2 = 2 \times (3 + 6 - 0!)! - 8.$

$80634 := (8! + 0 - 6 + 3) \times \sqrt{4} = \sqrt{4} \times (3 - 6 + 0 + 8!).$

$80635 := (5 + 3)! - 6 + 0! + 8! = 8! \times (0 + 6/3) - 5.$

$80638 := 8! + 0 - 6/3 + 8! = 8! + 3 - 6 + 0! + 8!.$

$80639 := (8! \times (0 + 6) - 3)/\sqrt{9} = 9!/(3 + 6) - 0! + 8!.$

$80652 := (8! + (0/6)! + 5) \times 2 = 2 \times (5 + (6 \times 0)! + 8!).$

$80662 := (8! - 0! + 6 + 6) \times 2 = 2 \times (6 + 6 - 0! + 8!).$

$80664 := (8! - 0 + 6 + 6) \times \sqrt{4} = \sqrt{4} \times (6!/60 + 8!).$

$80682 := (8 - 0!) \times 6 + (8! \times 2) = 2 \times 8! + 6 \times (-0! + 8).$

$80688 := 8! + 8 \times 6 + 0 + 8! = 8 \times (0 + 6) + (8! + 8!).$

$80692 := (8! - 0! + \sqrt{6! + 9}) \times 2 = 2 \times \left(\sqrt{\sqrt{9^6}} - 0! + 8!\right).$

$80694 := (8! + \sqrt{(0 + 6)! + 9}) \times \sqrt{4} = \sqrt{4} \times \left(\sqrt{\sqrt{9^6}} + (0 + 8)!\right).$

$80755 := 8! + (0! + 7)! + 5! - 5 = 5! - 5 + (7 + 0!)! + 8!.$

$80782 := (\sqrt{(8 \times 0)! + 7!} + 8!) \times 2 = 2 \times (8! + \sqrt{7! + (0/8)!}).$

$80784 := 8 \times (0! + 7! + 8) \times \sqrt{4} = \sqrt{4} \times (8 + 7! + 0!) \times 8.$

$80792 := (2 \times (9 + 7!) + 0!) \times 8 = 8 \times (0! + (7! + 9) \times 2).$

$80794 := (8! + \sqrt{0! + 7!} + (\sqrt{9})!) \times \sqrt{4} = \sqrt{4} \times ((\sqrt{9})! + \sqrt{7! + 0!} + 8!).$

$80802 := (8! + 0! + 80) \times 2 = 2 \times (0! + 80 + 8!).$

$80824 := (80 + 8!) \times 2 + 4! = 4! + 2 \times (80 + 8!).$

$81346 := (8! - 1 - 3!) \times \sqrt{4} + 6! = 6! + \sqrt{4} \times (-3! - 1 + 8!).$

$81355 := -(8 - 1)! + 3!! \times 5! - 5 = -5 + 5! \times 3!! - (-1 + 8)!.$

$81357 := -\sqrt{\sqrt{81}} + 3!! \times (5! - 7) = (-7 + 5!) \times 3!! - \sqrt{1 + 8}.$

$81359 := 8! - 1 + 3!! + (5 + \sqrt{9})! = (\sqrt{9} + 5)! + 3!! - 1 + 8!.$

$81384 := 8! + 1 \times 3!! + 8! + 4! = 4! + 8! + 3!! + 1 \times 8!.$

$81936 := 8! - (1 + (\sqrt{9})!)! + 3!^6 = 6^{3!} - ((\sqrt{9})! + 1)! + 8!.$

$81937 := 8! + 1 + (\sqrt{9})!^{3!} - 7! = -7! + 3!^{(\sqrt{9})!} + 1 + 8!.$

$82082 := ((8 - 2)! + 0! + 8!) \times 2 = 2 \times (8! + 0! + (-2 + 8)!).$

$82084 := (8! + 2 + (\sqrt{0! + 8})!!) \times \sqrt{4} = \sqrt{4} \times ((\sqrt{8 + 0!})!! + 2 + 8!).$

$82086 := 8 + 2 \times (-0! + 8! + 6!) = (6! + (8! - 0!)) \times 2 + 8.$

$82088 := 8 + 2 \times ((\sqrt{0! + 8})!! + 8!) = (8! + (\sqrt{8 + 0!})!!) \times 2 + 8.$

$82092 := (8! + (2 + 0!)! + (\sqrt{9})!!) \times 2 = 2 \times ((\sqrt{9})!! + (0! + 2)! + 8!).$

$82284 := (822 + 8!) \times \sqrt{4} = \sqrt{4} \times (822 + 8!).$

$82368 := 8! \times 2 + \sqrt{3!^6} \times 8 = 8 \times 6^3 + 2 \times 8!.$

$82793 := 8! \times 2 - 7 + \sqrt{9} \times 3!! = 3 \times (\sqrt{9})!! - 7 + 2 \times 8!.$

$82942 := 8^2 \times (\sqrt{9})!^4 - 2 = -2 + 4!^{\sqrt{9}} \times (-2 + 8).$

$82944 := 8/2 \times (\sqrt{9} \times 4)^4 = 4^4 \times 9 + 2 \times 8!.$

$82952 := 8 + (2 \times (\sqrt{9})!!/5)^2 = (2^5 \times 9)^2 + 8.$

$83157 := -8 + (3! + 1)! + 5^7 = 7! + 5^{1+3!} - 8.$

$83232 := 2 \times (\sqrt{3!^{(2^3)}} + 8!) = (8! + \sqrt{3!^{(2^3)}}) \times 2.$

$83304 := (8 - 3!!) \times (3 - (0! + 4)!) = ((4 + 0!)! - 3) \times (3!! - 8).$

$83424 := (8! + (3!! - 4!) \times 2) \times \sqrt{4} = (\sqrt{4}) \times (2 \times (-4! + 3!!) + 8!).$

$83488 := (-8 + 3!!) \times 4 + 8! + 8! = 8! + 8! + 4 \times (3!! - 8).$

$83534 := (-4! + 3!!) \times 5! + 3! + 8 = 8 + 3! + 5! \times (3!! - 4!).$

$83544 := 8! + 3 \times 5!^{\sqrt{4}} + 4! = 4! + (-4 + 5!) \times (\sqrt{\sqrt{\sqrt{3^8}}})!!.$

$84952 := -8 + (\sqrt{4 \times 9})! \times (5! - 2) = (-2 + 5!) \times (\sqrt{9 \times 4})! - 8.$

$84954 := -8 + \sqrt{4} + (\sqrt{9})!! \times (5! - \sqrt{4}) = (-\sqrt{4} + 5!) \times (\sqrt{9})!! + \sqrt{4} - 8.$

$84955 := (-8 - 4 + (\sqrt{9})!!) \times 5! + 5 = -5 + 5! \times ((\sqrt{9})!! - 4 - 8).$

$84996 := 8! \times \sqrt{4} + (\sqrt{9})! \times ((\sqrt{9})! + 6!) = 6 \times ((\sqrt{9})! + (\sqrt{9})!!) + \sqrt{4} \times 8!.$

$85437 := (8! - 5!) \times \sqrt{4} - 3 + 7! = 7! - 3 + \sqrt{4} \times (-5! + 8!).$

$85448 := 8 + 5! \times ((4 + \sqrt{4})! - 8) = (-8 + (4 + \sqrt{4})!) \times 5! + 8.$

$85456 := 8 \times (-5! + \sqrt{4}) + 5! \times 6! = 6! \times 5! + (\sqrt{4} - 5!) \times 8.$

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

$85573 := 8 + 5 + 5! \times (-7 + 3!!) = (3!! - 7) \times 5! + 5 + 8.$

$85664 := 8 + 5! \times (6! - 6) - 4! = -4! + (6! - 6) \times 5! + 8.$

$85666 := -8 + 5! \times (6! - 6) - 6 = -6 + (6! - 6) \times 5! - 8.$

$85669 := -8 + 5! \times (6! - 6) - \sqrt{9} = -\sqrt{9} + (6! - 6) \times 5! - 8.$

$85672 := -8 + 5! \times (6! - (\sqrt{7 + 2})!) = ((\sqrt{2 + 7})!! - 6) \times 5! - 8.$

$85675 := (-8 + 5!) \times 6! + 7! - 5 = -5 + 7! + 6! \times (5! - 8).$

$85679 := 8! + 5 - 6 + 7! \times 9 = 9 \times 7! - 6 + 5 + 8!.$

$85705 := -8! + 5 \times (7! + 0!) \times 5 = 5 \times (0! + 7!) \times 5 - 8!.$

$85739 := 8! + 5 + (7! + 3!) \times 9 = 9 \times (3! + 7!) + 5 + 8!.$

$85792 := -8 + 5! \times (-7 + (\sqrt{9})!! + 2) = (2 + (\sqrt{9})!! - 7) \times 5! - 8.$

$85795 := 8! + 5! + 7! \times 9 - 5 = 5! + 9 \times 7! - 5 + 8!.$

$85928 := 8 + 5! \times ((\sqrt{9})!! - \sqrt{2 \times 8}) = (-8/2 + (\sqrt{9})!!) \times 5! + 8.$

$86151 := (-8 + 6!) \times (1 + 5!) - 1 = -1 + (5! + 1) \times (6! - 8).$

$86152 := (-8 + 6!) \times (-1 + 5! + 2) = ((\sqrt{25})! + 1) \times (6! - 8).$

$86154 := (-8 + 6!) \times (1 + 5!) + \sqrt{4} = \sqrt{4} + (5! + 1) \times (6! - 8).$

$86256 := 8! - 6! + (-2 + 5)!^6 = 6^{(5-2)!} - 6! + 8!.$

$86351 := -8 \times 6 + 3!! \times 5! - 1 = -1 + 5! \times 3!! - 6 \times 8.$

$86352 := -8 \times 6 + 3! \times 5!^2 = (\sqrt{25})! \times 3!! - 6 \times 8.$

$86354 := -8 \times 6 + 3!! \times 5! + \sqrt{4} = \sqrt{4} + 5! \times 3!! - 6 \times 8.$

$86356 := -8 - 6 \times 3! + 5! \times 6! = 6! \times 5! - 36 - 8.$

$86384 := 8 + 6! \times (-3 + 8)! - 4! = -4! + (8 - 3)! \times 6! + 8.$

$86386 := -8 + 6! \times (-3 + 8)! - 6 = 6! \times (8 - 3)! - 6 - 8.$

$86389 := -8 + 6! \times (-3 + 8)! - \sqrt{9} = -\sqrt{9} + (8 - 3)! \times 6! - 8.$

$86391 := -8 + 6!/3! \times (\sqrt{9})!! - 1 = -1 + (\sqrt{9})!!/3! \times 6! - 8.$

$86392 := -8 + 6! \times (\sqrt{(3 \times 9 - 2)})! = (2 + 9/3)! \times 6! - 8.$

$86393 := -8 + (6 + 3!! \times (\sqrt{9})!!)/3! = (3! + (\sqrt{9})!! \times 3!!)/6 - 8.$

$86394 := -8 + 6!/3! \times (\sqrt{9})!! + \sqrt{4} = 4^{\sqrt{9}} \times 3!! - 6 + 8!.$

$86395 := 8 \times 6! \times (3! + 9) - 5 = -5 + (9 + 3!) \times 6! \times 8.$

$86397 := 8! + 6! - 3 + 9 \times 7! = 7! \times 9 + (-3 + 6!) + 8!.$

$86398 := -8 + 6 + 3!! \times (-\sqrt{9} + 8)! = (8 - \sqrt{9})! \times 3!! + 6 - 8.$

$86399 := 8 + 6!/3! \times (\sqrt{9})!! - 9 = -9 + (\sqrt{9})!!/3! \times 6! + 8.$

$86424 := (8! + 6! \times 4) \times 2 + 4! = 4! + 2 \times (4 \times 6! + 8!).$

$86448 := 8 \times 6! + \sqrt{4} \times (4! + 8!) = ((8! + 4!)/4 + 6!) \times 8.$

$86456 := -8 + 64 + 5! \times 6! = 6! \times 5! + 4 \times (6 + 8).$

$86475 := (8 + 6! \times 4! + 7) \times 5 = 5 \times (7 + 4! \times 6! + 8).$

$86506 := -8 - 6 + 5! \times (0! + 6!) = (6! + 0!) \times 5! - 6 - 8.$

$86544 := (8 + 6! \times 5 - \sqrt{4}) \times 4! = 4! \times (-\sqrt{4} + 5 \times 6! + 8).$

$86584 := -8 + (6! \times 5 + 8) \times 4! = 4! \times (8 + 5 \times 6!) - 8.$

$86592 := (8 + 6! \times 5) \times ((\sqrt{9})! - 2)! = (2 + (\sqrt{9})!!) \times 5! - 6 \times 8.$

$86632 := -8 + 6!/6 \times (3!! + 2) = (2 + 3!!) \times 6!/6 - 8.$

$86946 := 8! + 6^{(\sqrt{9})!} - 4! - 6 = -6 - 4! + (\sqrt{9})!^6 + 8!.$

$86949 := 8! + 6^{(\sqrt{9})!} - 4! - \sqrt{9} = -\sqrt{9} - 4! + (\sqrt{9})!^6 + 8!.$

$86964 := 8! + 6^{(\sqrt{9})!} - 6 \times \sqrt{4} = -\sqrt{4} \times 6 + (\sqrt{9})!^6 + 8!.$

$86965 := 8! - 6 + (\sqrt{9})!^6 - 5 = -5 - 6 + (\sqrt{9})!^6 + 8!.$

$86976 := 8! + \sqrt{(6^{9-7})^6} = 6^7/(9 - 6)! + 8!.$

$86977 := 8! + 6^{(\sqrt{9})!} + 7/7 = 7/7 + (\sqrt{9})!^6 + 8!.$

$86982 := 8 + 6^{(\sqrt{9})!} + 8! - 2 = (-2 + 8)^{(\sqrt{9})!} + 6 + 8!.$

$86994 := 8! + 6^{(\sqrt{9})!} + 9 \times \sqrt{4} = \sqrt{4} \times 9 + (\sqrt{9})!^6 + 8!.$

$86997 := 8! + 6^{(\sqrt{9})!} + \sqrt{9} \times 7 = 7 \times \sqrt{9} + (\sqrt{9})!^6 + 8!.$

$87384 := 8! \times 7/3! + 8! + 4! = 4! + 8!/3! \times 7 + 8!.$

$87696 := 8 \times 7! + 6! + (\sqrt{9})!^6 = 6! + (\sqrt{9})!^6 + 7! \times 8.$

$88536 := (\sqrt{8 + 8} + 5!) \times (3!! - 6) = (6! - 3!) \times (5! + \sqrt{8 + 8}).$

$88832 := (8! + 8 \times 8^3) \times 2 = \sqrt{-2 + 3!} \times (8! + \sqrt{8^8}).$

$89472 := 8! + \sqrt{9} \times 4^{\sqrt{7^2}} = \sqrt{2^{7 \times 4}} \times \sqrt{9} + 8!.$

$89537 := (8 + (\sqrt{9})!!) \times (5! + 3) - 7 = -7 + (3 + 5!) \times ((\sqrt{9})!! + 8).$

$89568 := (8! + (\sqrt{9})!!)/5 \times 6 + 8! = (8! + 6!)/5 \times (\sqrt{9})! + 8!.$

$89659 := -8 + \sqrt{9^6} \times (5! + \sqrt{9}) = (\sqrt{9} + 5!) \times (6! + 9) - 8.$

$89956 := -8 + ((\sqrt{9})!! - (\sqrt{9})!) \times (5! + 6) = (6 + 5!) \times ((\sqrt{9})!! - (\sqrt{9})!) - 8.$

$89992 := -8 - (\sqrt{9})!! + 9!/((\sqrt{9})! - 2) = (2 + \sqrt{9})^{\sqrt{9}} \times (\sqrt{9})!! - 8.$

$89995 := (8 - \sqrt{9})^{\sqrt{9}} \times (\sqrt{9})!! - 5 = 5^{\sqrt{9}} \times (\sqrt{9})!! + \sqrt{9} - 8.$

$90125 := ((\sqrt{9})!! + 0!) \times 125 = 5^{2+1} \times (0! + (\sqrt{9})!!).$

$90592 := ((\sqrt{9})!! - 0!) \times (5! + (\sqrt{9})!) - 2 = -2 - ((\sqrt{9})! + 5!) \times (0! - (\sqrt{9})!!).$

$90594 := (-9!/(0! + 5)! + 9!)/4 = (\sqrt{4 \times 9} + 5!) \times (-0! + (\sqrt{9})!!).$

$90648 := 9 \times ((0! + 6)! \times \sqrt{4} - 8) = (-8 + \sqrt{4} \times (6 + 0!)!) \times 9.$

$90675 := 9 \times ((0! + 6)! + 7! - 5) = (-5 + 7! + (6 + 0!)!) \times 9.$

$90693 := ((\sqrt{9})! \times (0! + 6)! - 9) \times 3 = 3 \times ((\sqrt{9})! \times (6 + 0!)! - 9).$

$90702 := 9 \times ((0 + 7)! - 0!) \times 2 = 2 \times ((0 + 7)! - 0!) \times 9.$

$90704 := (9 \times (-0! + 7!) + 0!) \times \sqrt{4} = \sqrt{4} \times (0! + (7! - 0!) \times 9).$

$90711 := 9 \times (-0! + 7! \times (1 + 1)) = ((1 + 1) \times 7! - 0!) \times 9.$

$90714 := -(\sqrt{9})! + (0! + 7 + 1)!/4 = ((4 - 1) \times 7! - 0!) \times (\sqrt{9})!.$

$90717 := \sqrt{9} \times (-0! + 7! \times (-1 + 7)) = 7! \times (17 + 0!) - \sqrt{9}.$

$90718 := -\sqrt{9} + 0! + 7! \times 18 = (8! - 1 + 7!) \times (-0! + \sqrt{9}).$

$90732 := (9 \times (0 + 7)! + 3!) \times 2 = 2 \times (3! + 7! \times (-0 + 9)).$

$90734 := \sqrt{9} \times (0! + 7!) \times 3! - 4 = -4 + 3 \times (7! + 0!) \times (\sqrt{9})!.$

$90735 := \sqrt{9} \times ((0 + 7)! \times 3! + 5) = (5 + 3! \times 7!) \times \sqrt{0 + 9}.$

$90738 := 9 \times (0! + 7!) \times (-3! + 8) = (8 - 3!) \times (7! + 0!) \times 9.$

$90742 := (9 \times (0! + 7!) + \sqrt{4}) \times 2 = 2 \times (\sqrt{4} + (7! + 0!) \times 9).$

$90744 := 9!/(0 \times 7 + 4) + 4! = 4! + \sqrt{4} \times 7! \times (0 + 9).$

$90747 := 9 \times (-0! + 7! + 4 + 7!) = (7! + 4 + 7! - 0!) \times 9.$

$90753 := ((\sqrt{9})! \times (0! + 7!) + 5) \times 3 = 3 \times (5 + (7! + 0!) \times (\sqrt{9})!).$

$90774 := 9 \times (-0! + 7 + 7! \times \sqrt{4}) = (\sqrt{4} \times 7! + (7 - 0!)) \times 9.$

$90786 := (\sqrt{9} \times (0! + 7!) + 8) \times 6 = 6 \times (8 + (7! + 0!) \times \sqrt{9}).$

$90792 := 9 \times (0! + 7! + \sqrt{9}) \times 2 = 2 \times (\sqrt{9} + 7! + 0!) \times 9.$

$90864 := (((\sqrt{9})! + 0!)! + 8) \times (-6 + 4!) = (4! - 6) \times (8 + (0! + (\sqrt{9})!)!).$

$90936 := 9!/(0! + \sqrt{9}) + \sqrt{3!^6} = 6^3 + 9!/(0! + \sqrt{9}).$

$91437 := (\sqrt{9})!! \times (1 + 4)! - 3 + 7! = 7! + 3!! \times (4 + 1)! - \sqrt{9}.$

$91566 := 6! + (6 + 5!) \times (1 + (\sqrt{9})!!) = ((\sqrt{9})!! + 1) \times (5! + 6) + 6!.$

$91573 := ((\sqrt{9})!! + 1) \times (5! + 7) + 3! = 3! + (7 + 5!) \times (1 + (\sqrt{9})!!).$

$91974 := (9! - (1 + \sqrt{9})! - 7!)/4 = (-4! + 7! + 9!)/(1 + \sqrt{9}).$

$92288 := ((\sqrt{9})!! \times 2 + 2) \times 8 \times 8 = 8 \times 8 \times (2 + 2 \times (\sqrt{9})!!).$

$92364 := (9 + (2 + 3)!) \times (6! - 4) = (-4 + 6!) \times ((3 + 2)! + 9).$

$92592 := -(\sqrt{9})!! + (-2 + 5)!^{(\sqrt{9})!} \times 2 = 2 \times (\sqrt{9})!^{(5-2)!} - (\sqrt{9})!!.$

$93009 := (9 + (3! - 0!)!) \times (0! + (\sqrt{9})!!) = ((\sqrt{9})!! + 0!) \times ((-0! + 3!)! + 9).$

$93248 := 9!/3! + \sqrt{2^{4!}} \times 8 = -\sqrt{8^4} + 2 \times 3!^{(\sqrt{9})!}.$

$93264 := ((\sqrt{9})!^{3!} - (-2 + 6)!) \times \sqrt{4} = \sqrt{4} \times (-(6 - 2)! + 3!^{(\sqrt{9})!}).$

$93288 := (\sqrt{9})!^{3!} \times 2 - (\sqrt{8 + 8})! = -(\sqrt{8 + 8})! + 2 \times 3!^{(\sqrt{9})!}.$

$93294 := ((\sqrt{9})!^{3\times2} - 9) \times \sqrt{4} = \sqrt{4} \times ((\sqrt{9})!^{2\times3} - 9).$

$93298 := (\sqrt{9})!^{3!} \times 2 - (\sqrt{9})! - 8 = -8 - (\sqrt{9})! + 2 \times 3!^{(\sqrt{9})!}.$

$93302 := ((\sqrt{9})!^{3!} - (3! - 0!)) \times 2 = 2 \times (0! - (3! - (3!^{(\sqrt{9})!}))).$

$93303 := -9 + 3!^{3!+0!}/3 = (3 - 0!) \times 3!^{3!} - 9.$

$93304 := ((\sqrt{9})!^{3!} - 3 - 0!) \times \sqrt{4} = -\sqrt{4} \times (0! + 3 - 3!^{(\sqrt{9})!}).$

$93306 := ((\sqrt{9})!^{3!}/3 - 0!) \times 6 = 6^{0!+3!}/3 - (\sqrt{9})!.$

$93309 := (-9 + 3!^{3!+0!})/\sqrt{9} = (\sqrt{9} - 0!) \times 3!^{3!} - \sqrt{9}.$

$93311 := (\sqrt{9})!^{3!} \times (3 - 1) - 1 = -1 + (-1 + 3) \times 3!^{(\sqrt{9})!}.$

$93312 := (9 - 3)^{3!} \times 1 \times 2 = 2 \times 1 \times 3!^{(-3+9)}.$

$93313 := (\sqrt{9} + 3!^{3!+1})/3 = (3!^{1+3!} + 3)/\sqrt{9}.$

$93314 := ((9 - 3)^{3!} + 1) \times \sqrt{4} = \sqrt{4} \times (1 + 3!^{(-3+9)}).$

$93315 := \sqrt{9} + 3!^{3!} \times \sqrt{(} - 1 + 5) = \sqrt{5 - 1} \times 3!^{3!} + \sqrt{9}.$

$93321 := 9 + 3!^{3!} \times 2 \times 1 = 1 \times 2 \times 3!^{3!} + 9.$

$93322 := ((\sqrt{9})!^{3!} + 3 + 2) \times 2 = 2 \times (2 + 3 + 3!^{(\sqrt{9})!}).$

$93324 := (\sqrt{9} + 3!^{3!}/2) \times 4 = \sqrt{4} \times (2 \times 3 + 3!^{(\sqrt{9})!}).$

$93325 := (9 + 3!^{3!}) \times 2 - 5 = -5 + 2 \times (3!^{3!} + 9).$

$93342 := (-9 + 3!^{3!} + 4!) \times 2 = 2 \times (4! + 3!^{3!} - 9).$

$93432 := (\sqrt{9})!^{3!} \times \sqrt{4} + (3 + 2)! = (2 + 3)! + \sqrt{4} \times 3!^{(\sqrt{9})!}.$

$93435 := (\sqrt{9})!^{3!} \times \sqrt{4} + 3 + 5! = 5! + 3 + \sqrt{4} \times 3!^{(\sqrt{9})!}.$

$93544 := ((\sqrt{9})!^{3!} + 5! - 4) \times \sqrt{4} = \sqrt{4} \times (-4 + 5! + 3!^{(\sqrt{9})!}).$

$93546 := ((\sqrt{9})!^{3!} + 5!) \times \sqrt{4} - 6 = -6 + \sqrt{4} \times (5! + 3!^{(\sqrt{9})!}).$

$93549 := ((\sqrt{9})!^{3!} + 5!) \times \sqrt{4} - \sqrt{9} = -\sqrt{9} + \sqrt{4} \times (5! + 3!^{(\sqrt{9})!}).$

$93552 := ((\sqrt{9})! \times 3!^5 + 5!) \times 2 = 2 \times ((\sqrt{5 \times 5})! + 3!^{(\sqrt{9})!}).$

$93564 := ((\sqrt{9})!^{3!} + 5! + 6) \times \sqrt{4} = \sqrt{4} \times (6 + 5! + 3!^{(\sqrt{9})!}).$

$93591 := -9 + 3!! \times (5! + 9 + 1) = (1 + 9 + 5!) \times 3!! - 9.$

$93594 := -(\sqrt{9})! + 3!! \times (5! + (\sqrt{9})! + 4) = (4 + (\sqrt{9})! + 5!) \times 3!! - (\sqrt{9})!.$

$93595 := (\sqrt{9})!! + 3!! \times (5! + 9) - 5 = -5 + (9 + 5!) \times 3!! + (\sqrt{9})!!.$

$93597 := -\sqrt{9} + 3!! \times (5! + \sqrt{9} + 7) = (7 + \sqrt{9} + 5!) \times 3!! - \sqrt{9}.$

$93894 := (\sqrt{9})! \times ((-3 + 8)^{(\sqrt{9})!} + 4!) = (4! + (\sqrt{9} - 8)^{3!}) \times (\sqrt{9})!.$

$94032 := (\sqrt{9})!! + (4-0!)!^{3!} \times 2 = 2 \times 3!^{(0!+\sqrt{4})!} + (\sqrt{9})!!.$

$94464 := \left((\sqrt{9})!! - \sqrt{\sqrt{\sqrt{4^{4!}}}}\right) \times 6 \times 4! = \sqrt{4} \times (\sqrt{64})! + 4!^{\sqrt{9}}.$

$94944 := ((9+4!) \times (\sqrt{9})!! - 4!) \times 4 = 4 \times (-4! + (9+4!) \times (\sqrt{9})!!).$

$94976 := 9! - 4^9 - 7! - 6! = -6! - 7! + 9! - 4^9.$

$95237 := (9 + 5! + 2) \times (3!! + 7) = (7 + 3!!) \times (2 + 5! + 9).$

$95368 := ((\sqrt{9})! + 5^3) \times (6! + 8) = (8 + 6!) \times (3! + 5^{\sqrt{9}}).$

$95494 := (9 + 5! + 4) \times ((\sqrt{9})!! - \sqrt{4}) = (-\sqrt{4} + (\sqrt{9})!!) \times (4 + 5! + 9).$

$95499 := (9 + 5! + \sqrt{4}) \times 9^{\sqrt{9}} = 9^{\sqrt{9}} \times (\sqrt{4} + 5! + 9).$

$95532 := (-(\sqrt{9})! + 5!) \times (5! + 3!! - 2) = (-2 + 3!! + 5!) \times (5! - (\sqrt{9})!).$

$95745 := -\sqrt{9} \times 5 + 7! \times (4! - 5) = (-5 + 4!) \times 7! - 5 \times \sqrt{9}.$

$95755 := 95 \times 7!/5 - 5 = -5 + 5! \times 7 \times (5! - (\sqrt{9})!).$

$95757 := -\sqrt{9} + 5! \times 7 \times 5! - 7! = -7! + 5! \times 7 \times 5! - \sqrt{9}.$

$95784 := ((\sqrt{9})! + 5) \times 7! + 8! + 4! = 4! + 8! + 7! \times (5 + (\sqrt{9})!).$

$95976 := (9 + 5!) \times ((\sqrt{9+7})! + 6!) = (6! + (\sqrt{7+9})!) \times (5! + 9).$

$96558 := ((\sqrt{9})! + 6!) \times (5! + 5 + 8) = (8 + 5 + 5!) \times (6 + (\sqrt{9})!!).$

$96768 := ((\sqrt{9})! + 6)!/(7! - 6!/8) = \sqrt{8^6} \times 7 \times \sqrt{6! + 9}.$

$96957 := \sqrt{9^6} \times ((\sqrt{9})! + 5! + 7) = (7 + 5! + (\sqrt{9})!) \times (6! + 9).$

$96984 := -9!/6 + \sqrt{9^8} \times 4! = 4! \times (8 \times 9!/6! + 9).$

$97209 := ((\sqrt{9})!! + 7! \times 2 + 0!) \times 9 = ((\sqrt{9})!! + 0! + 2 \times 7!) \times 9.$

$97464 := ((\sqrt{9})!! + 7 \times \sqrt{4!^6}) - 4! = 4^6 \times 4! - 7!/(\sqrt{9})!.$

$97632 := -(\sqrt{9})!! + 7! + 6^{3!} \times 2 = 2 \times 3!^6 + 7! - (\sqrt{9})!!.$

$97792 := 9 + 7^7 - 9! \times 2 = -2 \times 9! + 7^7 + 9.$

$98297 := \sqrt{9} \times 8^{2+\sqrt{9}} - 7 = -7 + (\sqrt{9})! \times 2^{8+(\sqrt{9})!}.$

$98304 := 9 \times 8^{3!}/(0+4)! = 4^{(0+3)!} \times 8 \times \sqrt{9}.$

$98328 := \sqrt{9} \times (8^{3+2} + 8) = (8^{2+3} + 8) \times \sqrt{9}.$

$98415 := 9^{8-4} \times 15 = 5 \times (-1+4)^8 \times \sqrt{9}.$

$98424 := (\sqrt{9} + 8^4 + 2) \times 4! = 4! \times (\sqrt{2^{4!}} + 8 - \sqrt{9}).$

$98503 := (9 + 8 + 5!) \times (-0! + 3!!) = (3!! - 0!) \times (5! + 8 + 9).$

$99024 := (\sqrt{9})!! + (\sqrt{9} + 0!)! \times \sqrt{2^{4!}} = 4! \times \sqrt{2^{(0!+\sqrt{9})!}} + (\sqrt{9})!!.$

$99354 := -(\sqrt{9})! + (\sqrt{9})!! \times (-3! + 5! + 4!) = (4! + 5! - 3!) \times (\sqrt{9})!! - (\sqrt{9})!.$

$99355 := (\sqrt{9})!! \times (\sqrt{9} \times 3! + 5!) - 5 = -5 + (5! + 3 \times (\sqrt{9})!) \times (\sqrt{9})!!.$

$99369 := (9! + 9^{\sqrt{36}})/9 = (9^{(6-3)!} + 9!)/9.$

$99408 := (\sqrt{9})! \times ((\sqrt{9})!! \times (4! - 0!) + 8) = (8 + (-0! + 4!) \times (\sqrt{9})!!) \times (\sqrt{9})!.$

$99495 := (\sqrt{9^9} + 4! \times 9) \times 5 = 5 \times (9 \times 4! + \sqrt{9^9}).$

$99648 := \sqrt{(9+9)^6} \times 4! - 8! = -8! + 4! \times (6 \times \sqrt{9})^{\sqrt{9}}.$

$99792 := 99 \times 7!/(\sqrt{9} + 2) = 2 \times 9 \times (7! + 9!/(\sqrt{9})!!).$

5.2. Selfie representations in order of digits

$120 := ((1+2)! - 0!)!.$
$127 := -1 + 2^7.$
$240 := 2 \times (4 + 0!)!.$
$360 := 3! \times 60.$
$384 := 3! \times \sqrt{8^4}.$
$660 := 6! - 60.$
$736 := 7 + 3^6.$
$799 := 79 + (\sqrt{9})!!.$

$1285 := (1 + 2^8) \times 5.$
$1288 := \sqrt{(1+2)!^8} - 8.$
$1294 := -1 \times 2 + (\sqrt{9})!^4.$
$1298 := 1 \times 2 + \sqrt{(\sqrt{9})!^8}.$
$1673 := -1 - 6 + 7!/3.$
$1679 := 1 + (-6 + 7!)/\sqrt{9}.$
$1680 := (1+6)!/\sqrt{8 + 0!}.$
$1684 := \sqrt{16} + 8!/4!.$
$1764 := 1 \times (7 \times 6)^{\sqrt{4}}.$
$1944 := 1 \times \sqrt{9^4} \times 4!.$
$2139 := -21 + 3 \times (\sqrt{9})!!.$
$2187 := (2 + 1^8)^7.$
$2378 := -23 + \sqrt{7^8}.$
$2472 := -2 \times 4! + 7!/2.$
$2496 := (2 + 4!) \times 96.$
$2502 := 2 + 50^2.$
$2592 := 2^5 \times 9^2.$
$2737 := (2 \times 7)^3 - 7.$
$2744 := \sqrt{(2 \times 7)^{4+\sqrt{4}}}.$
$2746 := 2 + \sqrt{(7 \times \sqrt{4})^6}.$

$2880 := \sqrt{2 \times 8} \times (\sqrt{8 + 0!})!!.$
$2995 := -29 + 9!/5!.$
$3249 := (3!! + 2)/\sqrt{4} \times 9.$
$3454 := 3!! \times 4!/5 - \sqrt{4}.$
$3528 := (3! + 5!) \times 28.$
$3550 := 3!! \times 5 - 50.$
$3564 := 3!! \times 5 - \sqrt{6^4}.$
$3565 := -35 + 6! \times 5.$
$3590 := 3!! \times 5 - 9 - 0!.$
$3630 := (3! + 6!) \times (3! - 0!).$
$3645 := 3^{(\sqrt{\sqrt{6^4}})} \times 5.$
$3685 := (3^6 + 8) \times 5.$
$3738 := -3! + 7! - \sqrt{3!^8}.$
$3774 := -3! + 7! - 7!/4.$
$3844 := \sqrt{(38 + 4!)^4}.$
$3960 := 3! \times ((\sqrt{9})!! - 60).$
$3972 := 3 + (9 \times 7)^2.$
$4320 := \sqrt{4} \times 3!! \times (2 + 0!).$
$4330 := 4 + 3! \times (3!! + 0!).$
$4331 := (\sqrt{4} + 3!!) \times 3! - 1.$
$4363 := 43 + 6 \times 3!!.$
$4372 := \sqrt{4} \times 3^7 - 2.$
$4374 := 4 \times 3^7/\sqrt{4}.$
$4480 := (4+4)!/(8 + 0!).$
$4560 := -4 \times 5! + (6 + 0!)!.$
$4608 := \sqrt{4!^6/(0! + 8)}.$
$4795 := -\sqrt{4} + 7! - \sqrt{9^5}.$
$4913 := (\sqrt{4} \times 9 - 1)^3.$
$4970 := (\sqrt{49})! - 70.$
$4973 := -4^{\sqrt{9}} + 7! - 3.$

$4974 := -4^{\sqrt{9}} + 7! - \sqrt{4}.$
$4976 := -4^{\sqrt{9}} + 7 \times 6!.$
$4979 := -4^{\sqrt{9}} + 7! + \sqrt{9}.$
$4991 := -49 + ((\sqrt{9})! + 1)!.$
$4997 := -49 + (\sqrt{9})! + 7!.$
$5090 := 50 + ((\sqrt{9})! + 0!)!.$
$5177 := 5! + 17 + 7!.$
$5280 := 5! \times 2 + (8 - 0!)!.$
$5836 := -6! + 3^8 - 5.$
$5864 := 5! + 8 \times (6! - \sqrt{4}).$
$6394 := -6 + (3!!/9)^{\sqrt{4}}.$
$6455 := (6^4 - 5) \times 5.$
$6475 := 6! \times (\sqrt{4} + 7) - 5.$
$6480 := 6!^{\sqrt{4}}/80.$
$6495 := (6^4 + \sqrt{9}) \times 5.$
$6498 := (6! + \sqrt{4}) \times 9!/8!.$
$6552 := (6 + 5!) \times 52.$
$6840 := (6! + 8!)/(4 - 0!)!.$
$7985 := -79 + 8!/5.$
$8062 := 8!/(-0! + 6) - 2.$
$8064 := 8!/((0/6)! + 4).$
$8065 := (8! - 0! + 6)/5.$
$8397 := 8!/3 - \sqrt{9} - 7!.$
$8405 := (8!/4! + 0!) \times 5.$
$8644 := (8 + 6! \times 4!)/\sqrt{4}.$
$8974 := (8!/9 + 7) \times \sqrt{4}.$
$9360 := (\sqrt{9})!! \times (3! + 6 + 0!).$
$9576 := ((\sqrt{9})! + 5!) \times 76.$
$9648 := -(\sqrt{9})!! + 6^4 \times 8.$
$9894 := -(\sqrt{9})! + (8! - (\sqrt{9})!!)/4.$

$10000 := 100^{0!+0!}$.
$10024 := 100^2 + 4!$.
$10072 := -10 + (0! + 7!) \times 2$.
$10078 := (1 + 0!) \times \left(-0! + \left(\sqrt{\sqrt{7^8}}\right)!\right)$.
$10729 := 107^2 - (\sqrt{9})!!$.
$10785 := (10! - 7!)/(8!/5!)$.
$10815 := (1 + (\sqrt{0! + 8})!!) \times 15$.
$10944 := (10 + 9) \times 4! \times 4!$.
$11264 := 11 \times 2^{6+4}$.
$11349 := (1 + (1 + 3!)!/4) \times 9$.
$11495 := \sqrt{11^4} \times 95$.
$11520 := (1 + 15) \times (2 + 0!)!!$.
$12096 := (1 + 2 + 0!)! \times 9!/6!$.
$12240 := (1 + 2)!! \times (2^4 + 0!)$.
$12850 := (1 + 2^8) \times 50$.
$12955 := 12 \times 9 \times 5! - 5$.
$12999 := (1 + (2 + (\sqrt{9})!!) \times (\sqrt{9})!) \times \sqrt{9}$.
$13440 := (1 + 3 + 4)!/(4 - 0!)$.
$13441 := 1 + (3! + \sqrt{4})!/(4 - 1)$.
$13443 := 1 \times 3 + (4 + 4)!/3$.
$13448 := (1 + (3! + \sqrt{4})!/4!) \times 8$.
$13449 := 1 + ((3! + \sqrt{4})! + 4!)/\sqrt{9}$.
$13452 := -1 - 3 + (-4 + 5!)^2$.
$13489 := 1 + (3! \times 4! + 8!)/\sqrt{9}$.
$13560 := (-1 + 3!)! \times (5! - 6 - 0!)$.
$13577 := (-1 + (\sqrt{3!!/5})!/7!)/7$.
$13583 := -1 + 3!!/5 + 8!/3$.
$13680 := (13 + 6) \times (\sqrt{8 + 0!})!!$.
$13683 := 1 \times (3^6 + 8!)/3$.
$13695 := \sqrt{(1 + 3)!^6} - 9 - 5!$.
$13817 := (1 + 3)!^{\sqrt{\sqrt{81}}} - 7$.
$13826 := -1 + 3 + \sqrt{(8/2)!^6}$.
$13843 := 1 + 3^8 \times \sqrt{4} + 3!!$.
$13849 := 1 + 3 \times 8 + 4!^{\sqrt{9}}$.
$13920 := (-(1 + 3)! + (\sqrt{9})!!) \times 20$.
$13943 := -1 + 3!!/(\sqrt{9})! + 4!^3$.
$13949 := (-1 + 3!)^{\sqrt{9}} + 4!^{\sqrt{9}}$.
$14320 := -1 \times (4 - 3!!) \times 20$.
$14390 := (-1 + \sqrt{4} \times 3!!) \times (9 + 0!)$.
$14394 := -(-1 + 4)! - 3!! + 9!/4!$.
$14549 := (-1 + 4)!! + 5 + 4!^{\sqrt{9}}$.
$14640 := (1 + 4 + 6)^4 - 0!$.
$14665 := 1 + \sqrt{4!^6} + 6! + 5!$.
$14689 := 1 + 4! \times 68 \times 9$.
$14739 := 1 \times (4! - 7)^3 \times \sqrt{9}$.
$14760 := (-1 + 4) \times (7! - (6 - 0!)!)$.
$14784 := (-14 + 7!/8) \times 4!$.
$14884 := \sqrt{\left((1 + 4)! + \sqrt{\sqrt{8 + 8}}\right)^4}$.
$14906 := (1 + 4)^{(\sqrt{9})!} + 0! - 6!$.
$15120 := (1 + 5)! \times (1 + 20)$.
$15121 := 1 + (5 + 1)! \times 21$.
$15123 := (1 + (-5 + 12)!) \times 3$.
$15125 := (1 + 5!) \times 125$.
$15424 := (1 + 5! \times \sqrt{4}) \times \sqrt{\sqrt{2^{4!}}}$.
$15504 := -1 - 5! + 5^{(0! + \sqrt{4})!}$.
$15506 := 1 - 5! + 5^{0+6}$.
$15544 := ((1 + 5)^5 - 4) \times \sqrt{4}$.
$15546 := (1 + 5)^5 \times \sqrt{4} - 6$.
$15549 := (1 + 5)^5 \times \sqrt{4} - \sqrt{9}$.
$15612 := -1 + 5^6 - 12$.
$15613 := 1 + 5^6 - 13$.
$15615 := 1 + 5^6 - \sqrt{1 + 5!}$.
$15617 := 1 \times 5^6 - 1 - 7$.
$15618 := 1 \times 5^6 + 1 - 8$.
$15620 := 1 + 5^6 - (2 + 0!)!$.
$15621 := -1 + 5^6 - 2 - 1$.
$15622 := 1 + 5^6 - 2 - 2$.
$15626 := 1 + 5^{6^2/6}$.
$15628 := 1 + 5^6 + \sqrt{\sqrt{2 \times 8}}$.
$15629 := -1 + 5^6 + 2 + \sqrt{9}$.
$15642 := 1 + 5^6 + 4^2$.
$15643 := 1 \times 5^6 + 4! - 3!$.
$15644 := -1 + 5^6 + 4! - 4$.
$15645 := 1 \times 5^6 + 4 \times 5$.
$15648 := -1 + 5^6 + (-4 + 8)!$.
$15650 := 1 + 5^6 + (5 - 0!)!$.
$15656 := 1 + 5^6 + 5 \times 6$.
$15662 := 1 + 5^6 + 6^2$.
$15667 := 1 \times 5^6 + 6 \times 7$.
$15674 := 1 \times 5^6 + \sqrt{7^4}$.
$15688 := -1 + 5^6 + 8 \times 8$.
$15697 := 1 \times 5^6 + 9!/7!$.
$15698 := 1 + 5^6 + 9 \times 8$.
$15746 := 1 + 5! + (7 - \sqrt{4})^6$.
$15753 := 1 + 5! + 7 + 5^{3!}$.
$15839 := -1 + (\sqrt{\sqrt{5^8}} - 3) \times (\sqrt{9})!!$.
$15949 := -\sqrt{(1 + 5!)^{\sqrt{9}}} + 4! \times (\sqrt{9})!!$.
$16224 := ((\sqrt{16})! + 2)^2 \times 4!$.
$16245 := (1 + 6!/2) \times 45$.
$16339 := (-1 + 6)^{3!} + 3!! - (\sqrt{9})!$.
$16343 := (-1 + 6)^{3!} - \sqrt{4} + 3!!$.
$16347 := -1 - 6 \times 3! + 4^7$.
$16349 := (-1 + 6)^{3!} + 4 + (\sqrt{9})!!$.
$16382 := \sqrt{\sqrt{16^{3!+8}}} - 2$.
$16383 := -1 + (6/3)^{8+3!}$.
$16408 := (\sqrt{16})! + 4^{(-0!+8)}$.
$16447 := -1 + 64 + 4^7$.
$16704 := (\sqrt{16})! \times ((7 - 0!)! - 4!)$.
$16783 := -(\sqrt{16})! + 7^{8-3}$.
$16791 := -16 + \sqrt{7^{9+1}}$.
$16795 := (-1 + 6 \times 7!/9) \times 5$.
$16799 := -1 + 6! \times 7!/(\sqrt{9})!^{\sqrt{9}}$.
$16805 := -\sqrt{\sqrt{16}} + (8 - 0!)^5$.
$16849 := 1 + \sqrt{6^8} \times (4 + 9)$.
$16875 := 1 \times 68 + 7^5$.
$16885 := (1 - 6! + \sqrt{8^8}) \times 5$.
$17246 := -17 \times 2 + 4! \times 6!$.
$17263 := -17 + (-2 + 6)! \times 3!!$.
$17459 := 17 \times (4^5 + \sqrt{9})$.
$17472 := 1 \times 7 \times (-4! + 7!/2)$.
$17489 := 17 + 4! \times (8 + (\sqrt{9})!!)$.
$17526 := 1 + 7^5 - 2 + 6!$.

$17528 := 1 + 7^5 + (-2 + 8)!.$
$17529 := 1 \times 7^5 + 2 + (\sqrt{9})!!.$
$17533 := 1 \times 7^5 + 3! + 3!!.$
$17536 := 1 \times 7^5 + 3^6.$
$17584 := 1 \times 7! + (5! - 8)^{\sqrt{4}}.$
$17647 := (1 + 7!/(6 - 4)) \times 7.$
$17688 := (17 + 6!) \times (\sqrt{8 + 8})!.$
$17849 := -\sqrt{1 + 7!} + 8! \times 4/9.$
$17944 := (1 + 7)!/9 \times 4 + 4!.$
$17999 := -1 + (7 + 9 + 9) \times (\sqrt{9})!!.$
$18144 := (1 + 8)!/((1 + 4) \times 4).$
$18145 := 1 + (\sqrt{81})!/(4 \times 5).$
$18396 := (-1 + 8^3) \times (\sqrt{9})! \times 6.$
$18432 := 18 \times 4^{3+2}.$
$18433 := 1 + 8 \times 4!^3/3!.$
$18450 := 18 \times (4^5 + 0!).$
$18479 := -1 + (8! \times 4 + 7!)/9.$
$18793 := 1 + 87 \times (\sqrt{9})!^3.$
$19044 := 1 \times ((\sqrt{9})! \times (-0! + 4!))^{\sqrt{4}}.$
$19099 := (1 + 9!)/(0! + 9 + 9).$
$19437 := (-1 + (\sqrt{9})!)!^{\sqrt{4}} - 3 + 7!.$
$19440 := 1 \times (\sqrt{9} + 4!) \times (4 - 0!)!!.$
$19453 := 19 \times 4^5 - 3.$
$19454 := 19 \times 4^5 - \sqrt{4}.$
$19456 := 19 \times \sqrt{\sqrt{4^{5!/6}}}.$
$19459 := 19 \times 4^5 + \sqrt{9}.$
$19539 := -1 \times (\sqrt{9})!!/5 + 3^9.$
$19628 := (-19 + 6!) \times 28.$
$19682 := -1 + \sqrt{\sqrt{\sqrt{9^{6 \times (8-2)}}}}.$
$19739 := (-1 + 9) \times 7 + 3^9.$
$19792 := (1 + \sqrt{9}) \times (7! - 92).$
$19800 := 1 \times (-(\sqrt{9})!! + 8!)/(0! + 0!).$
$19801 := 1 + (-(\sqrt{9})!! + 8!)/(0! + 1).$
$19824 := 1 \times (-(\sqrt{9})!! + 8!)/2 + 4!.$
$20160 := 2^{0!+1} \times (6 + 0!)!.$
$20162 := 2 + (0! + 1 + 6)!/2.$
$20164 := ((2 \times 0)! + (1 + 6)!) \times 4.$
$20328 := ((2 + 0!)! + 3!!) \times 28.$
$20465 := (-2 - 0! + 4^6) \times 5.$
$20667 := 2 + (-0! + 6)^6 + 7!.$
$20738 := 2 + \sqrt{(-0! + 7 + 3!)^8}.$
$20882 := 2 + (\sqrt{0! + 8})!! + 8!/2.$
$20884 := (2 + 0!)!! + (8 + 8!)/\sqrt{4}.$
$20909 := (20 + 9) \times (0! + (\sqrt{9})!!).$
$21184 := (2^{11} + 8!)/\sqrt{4}.$
$21579 := -21 + 5 \times (7! - (\sqrt{9})!!).$
$21594 := -(2 + 1)! + 5! \times (\sqrt{9})!!/4.$
$21598 := 2 \times (-1 + 5! \times (\sqrt{9})!!/8).$
$21630 := (2 - 1 + 6!) \times 30.$
$22316 := -2 - 2 + 31 \times 6!.$
$22319 := -2/2 + 31 \times (\sqrt{9})!!.$
$23024 := (2 \times 3!! - 0!) \times 2^4.$
$23024 := 4^2 \times (-0! + 3!! \times 2).$
$23040 := (2 + 30) \times (4 - 0!)!!.$
$23298 := 2 + 32 \times ((\sqrt{9})!! + 8).$
$23330 := 2 + 3!^{3!}/(3 - 0!).$
$23332 := (2^3 + 3!^{3!})/2.$
$23335 := -2 + 3 \times (3 + 3!^5).$
$23342 := 2 + (3!^{3!} + 4!)/2.$
$23354 := 2 + 3 \times 3!^5 + 4!.$
$23465 := (2 + 3!!)/\sqrt{4} \times 65.$
$23595 := (-2 + 35) \times ((\sqrt{9})!! - 5).$
$23669 := \sqrt{(23 + 6)^6} - (\sqrt{9})!!.$
$23760 := -2 \times 3!! + 7! \times (6 - 0!).$
$23843 := 2 + 3^8 + 4! \times 3!!.$
$24328 := ((2 + 4!) \times 3!)^2 - 8.$
$24334 := (2 + (4! - 3))^3 \times \sqrt{4}.$
$24389 := (24 - 3 + 8)^{\sqrt{9}}.$
$24390 := (2 + 4! + 3)^{\sqrt{9}} + 0!.$
$24431 := (\sqrt{2^{4!}} - 4!) \times 3! - 1.$
$24432 := (\sqrt{2^{4!}} - 4!) \times 3 \times 2.$
$24434 := (\sqrt{2^{4!}} - 4!) \times 3! + \sqrt{4}.$
$24453 := \sqrt{\sqrt{2^{4!}}} + (4! + 5)^3.$
$24456 := (\sqrt{2^{4!}} - 4 \times 5) \times 6.$
$24504 := (-2 + 4^5 - 0!) \times 4!.$
$24528 := (-2 + 4^5) \times (\sqrt{2 \times 8})!.$
$24538 := (\sqrt{2^{4!}} - 5) \times 3! - 8.$
$24546 := (2 + 4) \times (-5 + 4^6).$
$24565 := \sqrt{(-2 + 4! - 5)^6} \times 5.$
$24568 := 2^{\sqrt{4!+5!}} \times 6 - 8.$
$24598 := (\sqrt{2^{4!}} + 5) \times (\sqrt{9})! - 8.$
$24606 := (\sqrt{2^{4!}} + 6 - 0!) \times 6.$
$24612 := (\sqrt{2^{4!}} + 6) \times (1 + 2)!.$
$24696 := \sqrt{2^{4!}} \times 6 + (\sqrt{9})!!/6.$
$24739 := 2^4 + 7! + 3^9.$
$24960 := (2 + 4!) \times 960.$
$25135 := ((2 + 5)! - 13) \times 5.$
$25137 := 2 + 5 \times (-13 + 7!).$
$25200 := (2 + 5)! \times ((2 + 0!)! - 0!).$
$25344 := ((2 + 5)! + 3!^4) \times 4.$
$25395 := ((2 + 5)! + 39) \times 5.$
$25397 := 2 + 5 \times (39 + 7!).$
$25668 := (-2 - 5 + 6!) \times \sqrt{\sqrt{6^8}}.$
$25790 := (-2 + 5! + 7!) \times ((\sqrt{9})! - 0!).$
$25893 := -3 \times 9 + 8! - 5!^2.$
$25914 := -(-2 + 5)! + 9!/14.$
$26364 := 26^3 \times 6/4.$
$26493 := (2 + 6)! - 4!^{\sqrt{9}} - 3.$
$26498 := 2 - (6 \times 4)^{\sqrt{9}} + 8!.$
$26499 := (2 + 6)! - 4!^{\sqrt{9}} + \sqrt{9}.$
$26638 := -(2 + 6!) + 6! \times 38.$
$26832 := (-(-2 + 6)! + 8!/3) \times 2.$
$26879 := (-2 + 6 \times 8! - 7)/9.$
$26880 := ((2 + 6)! + 8!)/\sqrt{8 + 0!}.$
$26884 := 2 \times (6 + 8!) \times 8/4!.$
$26890 := 2 \times (6 + 8!/\sqrt{9} - 0!).$
$26891 := 2 \times (6 + 8!/\sqrt{9}) - 1.$
$26896 := 2 \times ((6 + 8!)/\sqrt{9} + 6).$
$26995 := (2 \times (6 + 9))^{\sqrt{9}} - 5.$
$26998 := -2 + (6 + 9)^{\sqrt{9}} \times 8.$
$27384 := (\sqrt{2 + 7})!! \times 38 + 4!.$
$27392 := 2^7 \times (3!^{\sqrt{9}} - 2).$
$27639 := 2^7 \times 6^3 - 9.$

$27746 := 2 \times (7 \times 7 + \sqrt{4!^6})$.
$27837 := -2 - \sqrt{7^8} + 3! \times 7!$.
$28320 := 2 \times (8!/3 + (2 + 0!)!!)$.
$28438 := -2 + 8! - (4 \times 3)!/8!$.
$28544 := -2^8 + \sqrt{5!^4 \times 4}$.
$28563 := \sqrt{(3 \times 6 - 5)^8} + 2$.
$28576 := (2^8 + 5!) \times 76$.
$28640 := -(\sqrt{2 \times 8} - 6!) \times 40$.
$28671 := \sqrt{(2 \times 8)^6} \times 7 - 1$.
$28672 := \sqrt{(2 \times 8)^6 \times 7^2}$.
$28674 := \sqrt{(2 \times 8)^6} \times 7 + \sqrt{4}$.
$28704 := (-2^8 + 7!) \times (0! + \sqrt{4})!$.
$28775 := (2 + 8!/7 - 7) \times 5$.
$28790 := (-2 + 8!/7) \times ((\sqrt{9})! - 0!)$.
$29280 := 2 \times (\sqrt{(9 + 2)^8} - 0!)$.
$29281 := 2 \times \sqrt{(9 + 2)^8} - 1$.
$29282 := 2 \times (9 + 2)^{8/2}$.
$29284 := 2 + \sqrt{(9 + 2)^8 \times 4}$.
$29294 := 2 \times ((\sqrt{9})! + (2 + 9)^4)$.
$29414 := (-2 + (\sqrt{9})!!) \times 41 - 4!$.
$29435 := \sqrt{29^4} \times 35$.
$29520 := ((-2 + 9)! - 5!) \times (2 + 0!)!$.
$29522 := 2 + (\sqrt{9})!! + 5!^2 \times 2$.
$29524 := (2 \times 9^5 - 2)/4$.
$29526 := 2 \times (\sqrt{9} + 5!^2) + 6!$.
$29641 := -2 + (\sqrt{9} + 6!) \times 41$.
$29676 := (2 - 96 + 7!) \times 6$.
$29728 := -2^9 + 7! \times (-2 + 8)$.
$29790 := ((-2 + (\sqrt{9})!)! + 7)^{\sqrt{9}} - 0!$.
$29952 := 2^{(\sqrt{9})!} \times 9 \times 52$.
$29979 := -29 \times 9 + 7! \times (\sqrt{9})!$.
$30270 := 3! \times ((0! + 2)! + 7! - 0!)$.
$30312 := 3! \times ((0! + 3!)! + 12)$.
$30360 := (3! - 0!)! + 3! \times (6 + 0!)!$.
$30532 := -3!! + (0! + 5^{3!}) \times 2$.
$30624 := 3! \times ((0! + 6)! + \sqrt{\sqrt{2^{4!}}})$.
$30672 := 3! \times ((0! + 6)! + 72)$.
$30792 := 3! \times ((0 + 7)! + 92)$.
$30984 := \left(-3! + 0! + \sqrt{(\sqrt{9})!^8}\right) \times 4!$.
$31104 := \sqrt{3!^{1 \times 10}} \times 4$.
$31253 := 3 + 1 \times 2 \times 5^{3!}$.
$31256 := 3! + 1 \times 2 \times 5^6$.
$31684 := (31 \times 6 - 8)^{\sqrt{4}}$.
$31974 := 3! \times (1 + 9!/7!)^{\sqrt{4}}$.
$32085 := -3!! + (2 + 0!)^8 \times 5$.
$32355 := 3^2 \times (3!! \times 5 - 5)$.
$32400 := ((3 \times 2)!/4)^{0! + 0!}$.
$32424 := ((3 \times 2)!/4)^2 + 4!$.
$32445 := (3!! + 2/\sqrt{4}) \times 45$.
$32490 := (3!! + 2/\sqrt{4}) \times 90$.
$32548 := -(3 \times 2)^5 + 4 + 8!$.
$32759 := (3 - 2 + 7)^5 - 9$.
$32760 := (-3!!/2 + 7!) \times (6 + 0!)$.
$32765 := -3 + (2 \times 7 - 6)^5$.
$32772 := 3! \times (2 + 7!) + 7!/2$.
$32785 := (3 + 2 \times 7) + 8^5$.
$32804 := 3!^2 + 8^{0! + 4}$.
$32848 := 3!! - 2 \times 8^4 + 8!$.
$32888 := (3 + 2)! + 8 \times \sqrt{8^8}$.
$32977 := (-329 + 7!) \times 7$.
$32985 := (3!^2 + \sqrt{9^8}) \times 5$.
$32989 := (-3 + 2 + 9!)/(8 + \sqrt{9})$.
$32992 := (32 + 9!)/(9 + 2)$.
$32994 := (3!!/2 - 9) \times 94$.
$33124 := (3!!/(3 + 1) + 2)^{\sqrt{4}}$.
$33482 := 3!! - 3! + 4^8/2$.
$33485 := -3 + (3 \times \sqrt{4})! + 8^5$.
$33492 := 3 + (3!!/4 + \sqrt{9})^2$.
$33585 := (-3 + (3!! + 5!) \times 8) \times 5$.
$33741 := (-3!! + 3^7) \times (4! - 1)$.
$33759 := -3 \times 3^7 + (5 + \sqrt{9})!$.
$33840 := 3!! \times 3! \times 8 - (4 \times 0)!$.
$33844 := 3!! + ((3!! + 8)/4)^{\sqrt{4}}$.
$33845 := 5 + 48 \times 3!! - 3!!$.
$33876 := 3! \times (3! + 8!/7) - 6!$.
$33885 := 3! - 3^8 + 8! + 5!$.
$34344 := (3 + 4!) \times (3!^4 - 4!)$.
$34425 := 3^4 \times 425$.
$34440 := 3!! \times 4! \times \sqrt{4} - (4 + 0!)!$.
$34445 := (3^4 + \sqrt{4})^{\sqrt{4}} \times 5$.
$34480 := (3!! \times 4! \times \sqrt{4}) - 80$.
$34492 := (-34 + 4! \times (\sqrt{9})!!) \times 2$.
$34550 := (3!! - 4! - 5) \times 50$.
$34632 := 3! \times (4 \times 6! + 3!) \times 2$.
$34650 := (-3 - 4! + 6!) \times 50$.
$34713 := (-3^4 + 7!) \times (1 + 3!)$.
$34727 := (-3^4 + 7! + 2) \times 7$.
$34752 := 3 \times 4^7 - 5!^2$.
$34776 := (-3 \times 4! + 7!) \times 7!/6!$.
$34795 := 3!! + 47 \times ((\sqrt{9})!! + 5)$.
$34839 := \sqrt{\sqrt{(3 + 4)^8}} \times (3!! - 9)$.
$34848 := (3!! - \sqrt{4} + 8) \times 48$.
$34950 := (3 - 4! + (\sqrt{9})!!) \times 50$.
$34956 := 3! \times (4! \times \sqrt{9^5} - 6)$.
$34995 := 3 + 4! \times (\sqrt{9})! \times \sqrt{9^5}$.
$35037 := -3^5 + (0! + 3!) \times 7!$.
$35231 := (-3 + 52) \times (3!! - 1)$.
$35270 := -3 + (5 + 2) \times (7! - 0!)$.
$35273 := (-3!! + (5 \times 2)!) \times 7/3!!$.
$35328 := (3!!/5 - 3!) \times 2^8$.
$35344 := ((3! - 53) \times 4)^{\sqrt{4}}$.
$35378 := (3!! + 5 - 3) \times \sqrt{\sqrt{7^8}}$.
$35672 := (3 + 5 + 6!) \times 7^2$.
$35721 := 3^5 \times 7 \times 21$.
$35784 := 3! \times (-5! + \sqrt{78^4})$.
$35793 := 3 \times 97 \times (5! + 3)$.
$35850 := (3!! + 5 - 8) \times 50$.
$35880 := 3!! - 5! + 8! - (8 - 0!)!$.
$35910 := (3!! \times 5 - 9) \times 10$.
$35928 := -3 \times 5! + 9!/(2 + 8)$.
$35945 := 35 \times (\sqrt{9} + 4^5)$.
$35949 := \sqrt{3!!/5} + (9 + 4!)^{\sqrt{9}}$.
$35950 := (3!! + 5 - (\sqrt{9})!) \times 50$.

$35970 := -3! \times (5 + (\sqrt{9})!!) + (7 + 0!)!.$

$35999 := \left(\sqrt{(3!! \times 5)^{\sqrt{9}}} - (\sqrt{9})!\right) / (\sqrt{9})!.$

$36000 := 3! \times 6000.$

$36007 := 3!! + (6 + 0!) \times (0! + 7!).$

$36049 := 3!! + (6! + 0!) \times 49.$

$36050 := ((\sqrt{36})! + 0!) \times 50.$

$36051 := -3!! + (6! + 0!) \times 51.$

$36150 := (3 + 6!) \times 1 \times 50.$

$36250 := (3 + 6! + 2) \times 50.$

$36284 := (3 + 6)!/(2 + 8) - 4.$

$36348 := -3 - \sqrt{63^4} + 8!.$

$36414 := (-3! + 6!)^{\sqrt{4}}/14.$

$36432 := (3^6 \times 4! + 3!!) \times 2.$

$36438 := (3! - 6^4 \times 3) + 8!.$

$36450 := 3^{\sqrt{\sqrt{6^4}}} \times 50.$

$36465 := (\sqrt{3^6} + 4!) \times (6! - 5).$

$36550 := (3!! + 6 + 5) \times 50.$

$36720 := 3!! + 6! \times (7^2 + 0!).$

$36850 := (3^6 + 8) \times 50.$

$36984 := 3!!/6 + 9 \times 8^4.$

$37179 := 3^7 \times (1 + 7 + 9).$

$37428 := -(3!! + 7! + 4!)/2 + 8!.$

$37467 := 3^7 + (\sqrt{4} + 6)! - 7!.$

$37485 := \sqrt{(3 \times 7)^4} \times 85.$

$37587 := 3^7 + 5! + 8! - 7!.$

$37752 := (3! + 7!/7) \times 52.$

$37794 := -3! + 7 \times (7! + (\sqrt{9})!!/\sqrt{4}).$

$37814 := 3! + 7! + 8^{1+4}.$

$37893 := -3^7 + 8! - (\sqrt{9})!!/3.$

$37899 := 3^7 \times (8 + 9) + (\sqrt{9})!!.$

$37998 := 3!^7 - (\sqrt{9})! \times (\sqrt{9} + 8!).$

$38127 := -3! + 8! - (1 + 2)^7.$

$38137 := 3 + 8! + 1 - 3^7.$

$38160 := 3!! \times (-8 + 1 + 60).$

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

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

$38164 := 3!! + 8! + (1 - 6!) \times 4.$

$38169 := 3! + 8! + (1 - 6!) \times \sqrt{9}.$

$38304 := -3!! + 8! - 3!^{0+4}.$

$38394 := \sqrt{3!^8} \times (3!! - 9)/4!.$

$38405 := (3! + 8)^4 - \sqrt{0! + 5!}.$

$38408 := (3! + 8)^4 - 0 - 8.$

$38409 := (3! + 8)^4 - 0! - (\sqrt{9})!.$

$38413 := (3! + 8)^4 - 1 \times 3.$

$38414 := (3! + 8)^4 - 1 \times \sqrt{4}.$

$38415 := (3! + 8)^4 - 1^5.$

$38416 := (38 - 4!)^{\sqrt{16}}.$

$38417 := (3! + 8)^4 + 1^7.$

$38419 := (3! + 8)^4 + 1 \times \sqrt{9}.$

$38424 := (3! + 8)^4 + 2 \times 4.$

$38434 := (3! + 8)^4 - 3! + 4!.$

$38437 := (3! + 8)^4 + 3 \times 7.$

$38475 := \sqrt{3^8} \times 475.$

$38479 := (3! + 8)^4 + 7 \times 9.$

$38496 := -3! \times (\sqrt{8^4} - 9 \times 6!).$

$38544 := (3! + \sqrt{(8 \times 5)^4}) \times 4!.$

$38638 := 3^8 \times 6 - 3!! - 8.$

$38646 := 3^8 \times \sqrt{\sqrt{6^4}} - 6!.$

$38694 := -3! + 8! - 6! \times 9/4.$

$38728 := -3!! - 872 + 8!.$

$38793 := -3^8 + 7! \times 9 - 3!.$

$38800 := -3!! + 8! - 800.$

$38808 := -3 \times 8!/80 + 8!.$

$38838 := 3! \times (-88 + 3^8).$

$38856 := (3^8 - 85) \times 6.$

$38874 := -3! + 8! - 8!/(7 \times 4).$

$38895 := -\sqrt{3!^8} + 8! - 9 - 5!.$

$38952 := \sqrt{(\sqrt{3!^8})} \times (9 \times 5! + 2).$

$38970 := -3!! + 8! - 9 \times 70.$

$38986 := -3 + 8! - \sqrt{(\sqrt{9} + 8)^6}.$

$38988 := -\sqrt{3!^8} - \sqrt{\sqrt{(\sqrt{9})!^8}} + 8!.$

$39248 := 3!! \times 9 + \sqrt{2^{4!}} \times 8.$

$39249 := (3!! + 9^2) \times 49.$

$39283 := 3^9 \times 2 - 83.$

$39294 := 3^9 \times 2 - \sqrt{9} \times 4!.$

$39297 := (3! \times (\sqrt{9})! - 2)^{\sqrt{9}} - 7.$

$39318 := 3! \times (9^{3+1} - 8).$

$39342 := (3^9 - 3 \times 4) \times 2.$

$39343 := 39 + 34^3.$

$39354 := 3! \times (\sqrt{9^{3+5}} - \sqrt{4}).$

$39358 := 3^9 \times (-3 + 5) - 8.$

$39360 := 3! \times (9 \times 3^6 - 0!).$

$39372 := (3 + 9 \times 3^7) \times 2.$

$39378 := -3!! - (\sqrt{9})! \times 37 + 8!.$

$39388 := (3! - 938) + 8!.$

$39402 := (3! + 9^4) \times (0! + 2)!.$

$39408 := 3! \times (9^4 - 0! + 8).$

$39412 := (3^9 + 4! - 1) \times 2.$

$39414 := (3^9 + 4!) \times 1 \times \sqrt{4}.$

$39494 := (3^9 + 4^{\sqrt{9}}) \times \sqrt{4}.$

$39495 := 3! \times 9^4 + 9 + 5!.$

$39550 := -3!! + (\sqrt{9} + 5)! - 50.$

$39570 := -3!! - (\sqrt{9})! \times 5 + (7 + 0!)!.$

$39590 := -3!! - 9 + (5 + \sqrt{9})! - 0!.$

$39654 := (3^9 + 6!/5) \times \sqrt{4}.$

$39799 := 39 + (-7! + 9!)/9.$

$39840 := 3!!/\sqrt{9} + 8! - (4 - 0!)!!.$

$39842 := 3^9 + (8! - \sqrt{4})/2.$

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

$39844 := 3^9 + (8! + \sqrt{4})/\sqrt{4}.$

$39848 := (-3!^{\sqrt{9}} + 8!) - \sqrt{4^8}.$

$39849 := 3^9 + 8!/\sqrt{4} + (\sqrt{9})!.$

$39924 := 3!! + 99^2 \times 4.$

$39930 := (3! + (\sqrt{9})!!) \times (9 \times 3! + 0!).$

$39954 := -3! + (\sqrt{9})!! \times (-9 + 5!)/\sqrt{4}.$

$39960 := (3!! - 9 \times (\sqrt{9})!) \times 60.$

$40088 := 4! - (0! + 0!)^8 + 8!.$

$40260 := (4 \times (0 + 2))! - 60.$

$40270 := -(4! + 0!) \times 2 + (7 + 0!)!.$

$40290 := -4! - (0! + 2)! + (9 - 0!)!.$

$40310 := (\sqrt{4^{0+3}})! - 10.$

$40355 := 40 + (3 + 5)! - 5.$

$40360 := 40 + (3 + 6 - 0!)!.$

$40378 := \sqrt{4} + (0! + 3!!) \times 7 \times 8.$
$40399 := -(4 \times 0)! + (3!! + 9!)/9.$
$40656 := ((4 - 0!)! + 6!) \times 56.$
$40688 := (40 + 6) \times 8 + 8!.$
$40788 := (4 - 0!)! \times 78 + 8!.$
$40829 := -4 + 0! + 8! + 2^9.$
$40879 := -(4 \times 0)! + 8! + 7!/9.$
$40984 := 4! + (0! + 9) \times 8^4.$
$41040 := (-\sqrt{4} + 10)! + (4 - 0!)!!.$
$41338 := 4^{(-1+3!)} - 3! + 8!.$
$41344 := 4^{(-1+3!)} + (4 + 4)!.$
$41463 := (4 - 1) \times (\sqrt{4!^6} - 3).$
$41466 := (4 - 1) \times \sqrt{4!^6} - 6.$
$41469 := (4 - 1) \times \sqrt{4!^6} - \sqrt{9}.$
$41493 := 4! + (-1 + 4!^{\sqrt{9}}) \times 3.$
$41496 := 4! \times (1 + \sqrt{(4 \times \sqrt{9})^6}).$
$41758 := -\sqrt{4} + (-1 + 7)! \times 58.$
$41760 := (-4! + (-1 + 7)!) \times 60.$
$41998 := -\sqrt{4} + (1 + (\sqrt{9})!)!/\sqrt{9} + 8!.$
$42873 := -\sqrt{4} + (28 + 7)^3.$
$42879 := 4 + (28 + 7)^{\sqrt{9}}.$
$42960 := (-4 + (2 \times \sqrt{9})!) \times 60.$
$42975 := (4!^2 - \sqrt{9}) \times 75.$
$42984 := -4! + 2^9 \times 84.$
$42995 := (4! + 2 + 9)^{\sqrt{9}} + 5!.$
$43152 := (4! + (3!! - 1) \times 5!)/2.$
$43205 := (4! \times 3!!/2 + 0!) \times 5.$
$43224 := 4! + 3!!^2 \times 2/4!.$
$43230 := (4! + 3!) \times (2 \times 3!! + 0!).$
$43260 := (4! + 3!^2) \times (6! + 0!).$
$43320 := (\sqrt{4} + 3!!) \times 3 \times 20.$
$43328 := 4 \times (3!! + 32) + 8!.$
$43440 := (4 + 3!!)/\sqrt{4} \times (4 + 0!)!.$
$43452 := (4! + (3!! + 4) \times 5!)/2.$
$43562 := (4 + 3!! + 5! \times 6!)/2.$
$43564 := 4 + (3!! + 5! \times 6!)/\sqrt{4}.$
$43593 := -\sqrt{4} + 35^{\sqrt{9}} + 3!!.$
$43599 := 4 + 35^{\sqrt{9}} + (\sqrt{9})!!.$
$43631 := (4!^3 + 6!) \times 3 - 1.$
$43632 := (4!^3 + 6!) \times 3!/2.$
$43740 := 4 \times 3^7 \times (4 + 0!).$
$43744 := 4 + 3^7 \times (4! - 4).$
$43775 := (4 \times 3^7 + 7) \times 5.$
$43776 := 4! \times (-3 + 7)! \times 76.$
$43856 := -4^3 + 8! + 5 \times 6!.$
$43920 := (4^3 - \sqrt{9}) \times (2 + 0!)!!.$
$43924 := 4 - 3!! \times (\sqrt{9} - \sqrt{\sqrt{2^{4!}}}).$
$44298 := 442 \times 9 + 8!.$
$44386 := -4! + 4^{3!} + 8! - 6.$
$44389 := -4! + 4^{3!} + 8! + \sqrt{9}.$
$44392 := -4! + 4^{3!} + ((\sqrt{9})! + 2)!.$
$44398 := \sqrt{\sqrt{4^{4!}}} - 3 \times (\sqrt{9})! + 8!.$
$44418 := \sqrt{4} + 4^{(4-1)!} + 8!.$
$44428 := \sqrt{\sqrt{4^{4!}}} + 4!/2 + 8!.$
$44438 := 4! - \sqrt{4} + 4^{3!} + 8!.$
$44640 := (4 + 4)! + 6 \times (4 - 0!)!!.$
$44652 := (4! + (4! + 6!) \times 5!)/2.$
$44662 := 4! - \sqrt{4} + 6! \times 62.$
$44938 := (-\sqrt{\sqrt{4^{4!}}} + 9! + 3!!)/8.$
$44998 := (-4 \times (4 + (\sqrt{9})!!) + 9!)/8.$
$45125 := ((4! - (5! - 1))^2) \times 5.$
$45298 := -(4 + 5!)/2 + 9!/8.$
$45328 := (\sqrt{4} + 5)! - 32 + 8!.$
$45344 := (4^5 + 3!!) \times (4! + \sqrt{4}).$
$45398 := (4^5 - 3!! + 9!)/8.$
$45478 := \sqrt{4} + 5! - 4 + 7! + 8!.$
$45568 := \sqrt{\sqrt{\sqrt{4^{5!/5}}}} \times (6! - 8).$
$45576 := -4! + 5! \times 5 \times 76.$
$45598 := -\sqrt{4} + 5! + 5! + 9!/8.$
$45631 := -4^5 + 6^{3!} - 1.$
$45634 := -4^5 + 6^{3!} + \sqrt{4}.$
$45824 := (-4 + (-5 + 8)!!) \times \sqrt{\sqrt{2^{4!}}}.$
$45840 := \sqrt{4} \times 5! \times (8 \times 4! - 0!).$
$45945 := (4^5 - \sqrt{9}) \times 45.$
$45947 := 4 \times 5 + 9^4 \times 7.$
$45978 := (4! - 5! + 9! + 7!)/8.$
$45990 := ((\sqrt{4} + 5)! + 9!)/(9 - 0!).$
$45999 := ((\sqrt{4} + 5)! - 9) \times 9 + (\sqrt{9})!!.$
$46104 := 4! + 6! \times \sqrt{\sqrt{(1 + 0!)^4}!}.$
$46506 := (-4! + 6^5 - 0!) \times 6.$
$46512 := (-4! + 6^5) \times (1 + 2)!.$
$46616 := -4! + 6^6 - 16.$
$46630 := 4 + 6^6 - 30.$
$46640 := 4! + 6^6 - 40.$
$46650 := -\sqrt{4} + 6^6 - 5 + 0!.$
$46670 := (\sqrt{4} - 6!) \times (6 - \sqrt{7! + 0!}).$
$46690 := 4! + 6^6 + 9 + 0!.$
$46699 := 46 + 6^{(\sqrt{9})!} - \sqrt{9}.$
$46784 := (4 + 6! + 7) \times \sqrt{8^4}.$
$46992 := -4! + 6^{(\sqrt{9})!} + (\sqrt{9})!!/2.$
$46998 := (\sqrt{4!^6} + 9! - (\sqrt{9})!!)/8.$
$47397 := (4!^{7-3} + \sqrt{9})/7.$
$47520 := (4 + 7)!/(5! + (2 + 0!)!!).$
$47524 := (4 + 7 - 5!)^2 \times 4.$
$47526 := (4! + 7 - 5!)^2 \times 6.$
$47548 := 4 \times (7 + (\sqrt{5! + 4!})!/8!).$
$47744 := (\sqrt{4} + 7)!/7 - \sqrt{\sqrt{4^{4!}}}.$
$47872 := (-4^7 + 8 \times 7!) \times 2.$
$47876 := -4 + 7!/8 \times 76.$
$48095 := -\sqrt{4} + 8! + 0! + (\sqrt{9})!^5.$
$48236 := -4 + (8^2 + 3) \times 6!.$
$48334 := -\sqrt{4} + 3!^{3!} + 8!/4!.$
$48355 := -4! + 8! \times 3!/5 - 5.$
$48360 := -4! + 8! \times 3!/(6 - 0!).$
$48385 := 4 + 8! - 3 + 8!/5.$
$48488 := -4! + 8! + 4^8/8.$
$48528 := (4! + 8!/5) \times (-2 + 8).$
$48564 := (4! \times 8!/5 + 6!)/4.$
$48664 := (-4 + 6!) \times 68 - 4!.$
$48729 := 4^8 - 7^{2+\sqrt{9}}.$
$49068 := 4 \times \sqrt{9^{0!+6}} + 8!.$
$49147 := -\sqrt{4} + \sqrt{9} \times (-1 + 4^7).$
$49173 := (4^{(\sqrt{9})!+1} + 7) \times 3.$

$49368 := (\sqrt{4 \times 9} + 3!!) \times 68.$
$49374 := (4! + 7!) \times 39/4.$
$49456 := 49 \times 4^5 - 6!.$
$49575 := \sqrt{4^{\sqrt{9} \times 5}} + 7^5.$
$49693 := 4 + 9 + 69 \times 3!!.$
$49723 := (4! \times 9 + 7)^2 - 3!.$
$49770 := (-\sqrt{4} + (\sqrt{9})!! - 7) \times 70.$
$49896 := -4! \times (\sqrt{\sqrt{9^8}} - \sqrt{9} \times 6!).$
$50653 := (-5 + (0! + 6)!/5!)^3.$
$50745 := (5!/(0! + 7))^4 + 5!.$
$51425 := (5! + 1) \times 425.$
$51686 := (-5! + 1 + 6!) \times 86.$
$51960 := 5! + 1 \times 9!/(6 + 0!).$
$51961 := 5! + 1 + 9!/(6 + 1).$
$52488 := (5 - 2 \times 4)^{8 \times 8}.$
$52822 := \sqrt{(5 + 2)^8} \times 22.$
$53289 := (5! - 3)^2 + 8! - (\sqrt{9})!!.$
$53376 := ((5 + 3)! + 3!^7)/6.$
$53448 := (5! + 3^{4+4}) \times 8.$
$53475 := (-5 + 3!! - \sqrt{4}) \times 75.$
$53742 := (-5! + 3^7) \times (4! + 2).$
$53880 := 5! \times \sqrt{(-3 + 8) \times 8! + 0!}.$
$53883 := 5! + 3 + 8! + 8!/3.$
$53886 := 5! + 3! + 8 \times 8!/6.$
$53984 := ((5 \times 3!)^{\sqrt{9}} - 8) \times \sqrt{4}.$
$53994 := ((5 \times 3!)^{\sqrt{9}} - \sqrt{9}) \times \sqrt{4}.$
$54075 := ((\sqrt{5 + 4})!! + 0!) \times 75.$
$54238 := (5! - \sqrt{4})^2 - 3! + 8!.$
$54244 := (5! - \sqrt{4})^2 + (4 + 4)!.$
$54248 := (5! - \sqrt{4})^2 + 4 + 8!.$
$54336 := 5! \times 4^3 + 3!^6.$
$54375 := (5 + (\sqrt{4} \times 3)!) \times 75.$
$54476 := (5! + 4!^4 - 7!)/6.$
$54675 := \sqrt{(5 + 4)^6} \times 75.$
$54678 := (5 - 4! + 6!) \times 78.$
$54715 := 5!^{\sqrt{4}} + (7 + 1)! - 5.$
$54720 := 5!^{\sqrt{4}} + (7 + (2 \times 0)!)!.$
$54748 := 5!^{\sqrt{4}} + 7 \times 4 + 8!.$
$54756 := 54 \times (7!/5 + 6).$
$54768 := 5!^{\sqrt{4}} + (7! + 6) \times 8.$
$54840 := 5!^{\sqrt{4}} + 8! + (4 + 0!)!.$
$54872 := (5!/4 + 8)^{\sqrt{7+2}}.$
$54979 := -5 + (-4! + (\sqrt{9})!!) \times 79.$
$55680 := (-5!/5 + 6!) \times 80.$
$55875 := (5! + \sqrt{5^8}) \times 75.$
$55948 := 5 + 5^{(\sqrt{9})!} - \sqrt{4} + 8!.$
$56280 := 5! + 6! \times (-2 + 80).$
$56644 := (5! - 6/6)^{\sqrt{4}} \times 4.$
$56649 := 5 + (-6 + 6!)^{\sqrt{4}}/9.$
$56760 := (5 + 6) \times (7! + (6 - 0!)!).$
$56950 := -5^6 + 9!/5 - 0!.$
$56951 := -5^6 + 9!/5 \times 1.$
$57480 := -5! + (7 - 4)!! \times 80.$
$57504 := (-5 + 7^{(5-0!)}) \times 4!.$
$57600 := 5 \times (7! + 6!) \times (0! + 0!).$
$57744 := (5 + (7 \times 7)^{\sqrt{4}}) \times 4!.$
$57845 := 5^7 - 8!/\sqrt{4} - 5!.$
$57960 := 5! \times 7 \times (9 + 60).$
$57969 := (5! - 7) \times (9!/6! + 9).$
$57974 := 5^7 + 9 - 7! \times 4.$
$58119 := -5! + 81 \times (-1 + (\sqrt{9})!!).$
$58195 := -5! + 81 \times (\sqrt{9})!! - 5.$
$58344 := (-5 + 8)!! \times 3^4 + 4!.$
$58560 := 5! \times 8 \times (\sqrt{5 \times 6!} + 0!).$
$58564 := (5! + 8 + 5! - 6)^{\sqrt{4}}.$
$58795 := 5 \times (8! - 7!)/\sqrt{9} - 5.$
$58799 := (5 \times (8! - 7!) - \sqrt{9})/\sqrt{9}.$
$58937 := -5! + 8 + \sqrt{9^{3+7}}.$
$58960 := (5 \times 8)^{\sqrt{9}} - (6 + 0!)!.$
$58962 := (5! \times 8 - 9) \times 62.$
$58969 := (-(-5 + 8)!! + 9^6)/9.$
$58982 := -58 + (\sqrt{9})!! \times 82.$
$58991 := -58 + \sqrt{9^{9+1}}.$
$58995 := -(-5 + 8)! \times 9 + 9^5.$
$59050 := (5 + \sqrt{9} + 0!)^5 + 0!.$
$59054 := 5 + 9^{(0/5)!+4}.$
$59324 := (42 - 3)^{\sqrt{9}} + 5.$
$59352 := (-5! + 9!/3!!) \times (5! - 2).$
$59472 := (5! + (\sqrt{9})!) \times 472.$
$59554 := -5! + 9^5 + (5^4).$
$59635 := -5! + 9!/6 - 3!! - 5.$
$59640 := -5! + 9!/6 - (4 - 0!)!!.$
$59644 := (5^{(\sqrt{9})!} - 6!) \times 4 + 4!.$
$59664 := -5! + 9!/6 - 6! + 4!.$
$59784 := -5! + ((\sqrt{9})!^7 - 8!)/4.$
$59956 := (-5! + 9! - 9!/5!)/6.$
$59975 := -5^{(\sqrt{9})!} + \sqrt{9} \times 7! \times 5.$
$59996 := (5! + 9!)/(\sqrt{9})! - 9!/6!.$
$60496 := ((6 - 0!)! - 4! + 9!)/6.$
$60593 := -6 - 0! + 5! + 9!/3!.$
$60696 := \sqrt{6^{0+6}} + 9!/6.$
$60984 := (6 + (\sqrt{0 + 9})!!) \times 84.$
$61285 := (6! + 1^2) \times 85.$
$62208 := 6^{2^2+0!} \times 8.$
$62436 := (62 + 4!) \times (3! + 6!).$
$62640 := 6! \times (2^6 + 4! - 0!).$
$63504 := (63 \times (5 - 0!))^{\sqrt{4}}.$
$63648 := 6 \times 3 \times 6^4 + 8!.$
$63888 := \left(6 + \left(\sqrt{\sqrt{\sqrt{3^8}}}\right)!!\right) \times 88.$
$63945 := 63 \times (-9 + 4^5).$
$63985 := 6! \times (3!! - 9)/8 - 5.$
$63990 := ((6 - 3)!! - 9) \times 90.$
$63995 := (6!/(3 \times (\sqrt{9})!))^{\sqrt{9}} - 5.$
$64080 := 6! \times ((4 - 0!)!!/8 - 0!).$
$64096 := -6! + 4^{(-0!+9)} - 6!.$
$64528 := ((\sqrt{64})!/5 + 2) \times 8.$
$64550 := (6^4 - 5) \times 50.$
$64620 := 6!/4 \times (6!/2 - 0!).$
$64638 := (-6^4 + 6! \times 3!!)/8.$
$64696 := (6! + 9!)/6 + 4^6.$
$64784 := -6! + (4^7 - 8) \times 4.$
$64796 := -6! - 4 + 7! + 9!/6.$
$64798 := (6!^{\sqrt{4}} - 7 - 9)/8.$

$64950 := (6^4 + \sqrt{9}) \times 50.$
$65248 := -6!/5 \times 2 + 4^8.$
$65471 := -65 + 4^{7+1}.$
$65495 := (-6! - 5 + 4!^{\sqrt{9}}) \times 5.$
$65507 := 65/5 \times (-0! + 7!).$
$65520 := (6 + 5!) \times 520.$
$65548 := \sqrt{6 \times 5!/5} + 4^8.$
$66234 := -6 + 6! \times 23 \times 4.$
$66240 := 6! \times (6 - 2) \times (4! - 0!).$
$66246 := 6 + 6! \times 2 \times 46.$
$66816 := 6^6 + 8!/\sqrt{\sqrt{16}}.$
$66960 := 6! \times (-\sqrt{6! + 9} + (6 - 0!)!).$
$67234 := 6 + 7^{2+3} \times 4.$
$67534 := -6 + 7! + 5^{3!} \times 4.$
$67680 := (6 + 7!/6) \times 80.$
$67968 := (\sqrt{6^{7+\sqrt{9}}} + 6!) \times 8.$
$68352 := 2^5 \times 3 \times (-8 + 6!).$
$68395 := (6! + 8! - 3)/\sqrt{9} \times 5.$
$68448 := (6! + 8) \times 4 + 4^8.$
$69465 := (69 + \sqrt{4!^6}) \times 5.$
$69714 := -6! + (-9 + 7!) \times 14.$
$69744 := 6! \times 97 - 4 \times 4!.$
$69759 := 69 \times (7!/5 + \sqrt{9}).$
$69770 := 6! \times 97 - 70.$
$69774 := (6 \times (\sqrt{9})!^7 - 7!)/4!.$
$69795 := 6! \times 97 - 9 \times 5.$
$69804 := (-6! + (\sqrt{9})!^{(8-0!)})/4.$
$69835 := 6! \times 98 - 3!! - 5.$
$69840 := 6! \times (98 - (4 \times 0)!).$
$69954 := 6 + 9 \times ((\sqrt{9})!^5 - 4).$
$69982 := 6 \times 9 \times \sqrt{(\sqrt{9})!^8} - 2.$
$69990 := 6 + 9 \times \sqrt{(\sqrt{9})!^{9+0!}}.$
$70560 := 70/5 \times (6 + 0!)!.$
$70993 := 7^{(\sqrt{0+9})!} - (\sqrt{9})!^{3!}.$
$72350 := (7 + 2 \times 3!!) \times 50.$
$72495 := -\sqrt{(7 + 2)^4} + 9!/5.$
$72538 := (7 + 2)!/5 - 38.$
$72546 := (7 + 2)!/5 - 4! - 6.$
$72551 := ((7 + 2)! - 5!)/5 - 1.$
$72552 := ((7 + 2)! - 5!)/\sqrt{5^2}.$
$72554 := ((7 + 2)! - 5!)/5 + \sqrt{4}.$
$72556 := (7 + 2)!/5 - 5!/6.$
$72564 := (7 + 2)!/5 - 6 \times \sqrt{4}.$
$72565 := (7 + 2)!/5 - 6 - 5.$
$72570 := (7 + 2)!/5 - 7 + 0!.$
$72577 := (7 + 2)!/5 + 7/7.$
$72582 := (7 + 2)!/5 + 8 - 2.$
$72584 := (7 + 2)!/5 + \sqrt{\sqrt{8^4}}.$
$72594 := (7 + 2)!/5 + 9 \times \sqrt{4}.$
$72595 := 7 \times 2 + 5 + 9!/5.$
$72597 := (7 + 2)!/5 + \sqrt{9} \times 7.$
$72688 := 7 \times (2 + \sqrt{6^8}) \times 8.$
$73364 := (7 \times 3!)^3 - 6! - 4.$
$73368 := (7 \times 3!)^3 - \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!.$
$73440 := (7! - 3!!) \times (4 \times 4 + 0!).$
$73959 := (7 \times 3!)^{\sqrt{9}} - 5! - 9.$
$73984 := ((7 + 3 \times 9) \times 8)^{\sqrt{4}}.$
$73994 := (7 \times 3!)^{\sqrt{9}} - 94.$
$73998 := (7 \times 3!)^{\sqrt{9}} - (\sqrt{9})!!/8.$
$74880 := -7! + \sqrt{4} \times 8! - (\sqrt{8 + 0!})!!.$
$74887 := 7 + \sqrt{4} \times 8! - 8!/7.$
$74896 := 7! + 4^8 + (\sqrt{9})! \times 6!.$
$74904 := (7^4 + (\sqrt{9})!!) \times (0 + 4)!.$
$75168 := (7 + 51) \times \sqrt{6^8}.$
$75375 := (7!/5 - 3) \times 75.$
$75578 := -7 - (5! - 5! \times 7!)/8.$
$75600 := 7! \times 5 \times 6/(0! + 0!).$
$75615 := (7! - 5 + 6) \times 15.$
$75624 := 7! \times 5 \times 6/2 + 4!.$
$75685 := (7! \times 5! + 6!)/8 - 5.$
$75690 := (7! \times 5! + 6!)/(9 - 0!).$
$75975 := (75 + \sqrt{9} \times 7!) \times 5.$
$76335 := (7 + 6!) \times 3 \times 35.$
$76608 := 7^6 - 6! - 0! - 8!.$
$76609 := 7^6 - 6! - (-0! + 9)!.$
$76832 := \sqrt{(7!/6!)^8} \times 32.$
$77329 := (7 \times 7)^3 - (2^{\sqrt{9}})!.$
$77957 := -7 \times (\sqrt{7 + 9})! + 5^7.$
$78047 := -78 + (0! + 4)^7.$
$78652 := 7 \times (8 + 6 - 5!)^2.$
$79233 := 7^{((\sqrt{9})! - 2)} \times 33.$
$79524 := (7 \times \sqrt{9} + 5!)^2 \times 4.$
$79538 := (7^{(\sqrt{9})!} + 5)/3 + 8!.$
$79800 := -7!/(\sqrt{9})! + 8! \times (0! + 0!).$
$79802 := -7!/(\sqrt{9})! + (8! + 0!) \times 2.$
$79824 := -7!/(\sqrt{9})! + 8! \times 2 + 4!.$
$79899 := -7 \times (\sqrt{9} + 8!) - (\sqrt{9})!! + 9!.$
$79926 := -7! + ((\sqrt{9})! - (\sqrt{9})!!)^2/6.$
$79954 := (-7^{\sqrt{9}} + (\sqrt{9} + 5)!) \times \sqrt{4}.$
$80354 := (8! + 0! - 3!!/5) \times \sqrt{4}.$
$80384 := (8! - (-0! + 3)! - 8) \times \sqrt{4}.$
$80400 := (8! - (0! + 4)!) \times (0! + 0!).$
$80484 := (-80 + \sqrt{4} + 8!) \times \sqrt{4}.$
$80522 := (8! + 0! - 5!/2) \times 2.$
$80532 := (8! - 0! - 53) \times 2.$
$80544 := (8!/\sqrt{-0! + 5} - 4!) \times 4.$
$80570 := 8! \times \sqrt{-0! + 5} - 70.$
$80599 := -8! - 0! + (-5! + 9!)/\sqrt{9}.$
$80630 := (8! + 0! - 6) \times (3 - 0!).$
$80636 := (8! + 0!) \times 6/3 - 6.$
$80650 := (8! - 0! + 6) \times \sqrt{5 - 0!}.$
$80654 := (8! + 0! + 6!/5!) \times \sqrt{4}.$
$80760 := 8! + (0! + 7)! + (6 - 0!)!.$
$80800 := (80 + 8!) \times (0! + 0!).$
$81920 := 8^{1+\sqrt{9}} \times 20.$
$82560 := 8 \times 2 \times (5! + (6 + 0!)!).$
$82656 := (-8^2 + 6!) \times (5! + 6).$
$82896 := (-8 + (\sqrt{2 \times 8})!^{\sqrt{9}}) \times 6.$
$82936 := -8 + (-2 + (\sqrt{9})!)!^3 \times 6.$
$82937 := (8/2)!^{\sqrt{9}} \times 3! - 7.$
$83328 := 8^2 \times (3! + \sqrt{3!^8}).$
$83384 := (8 + 3!)^3 + 8! \times \sqrt{4}.$
$83456 := -8^{3!} + 4 \times 5! \times 6!.$

$83584 := -8! + (3 \times 5! - 8)^{\sqrt{4}}.$
$83640 := (8-3)! \times (6! - 4! + 0!).$
$83656 := -\sqrt{(8+3!)^6} + 5! \times 6!.$
$83755 := (-8!/3!! + 7^5) \times 5.$
$83957 := 8 \times 3^{(\sqrt{9})!} + 5^7.$
$83994 := -8!/3! - (\sqrt{9})! + 9!/4.$
$84050 := (8!/4! + 0!) \times 50.$
$84672 := \sqrt{((8+4)^6)} \times 7^2.$
$84736 := 8! \times \sqrt{4} + (7-3)^6.$
$84743 := 8! \times \sqrt{4} + 7 + 4^{3!}.$
$84755 := (8 - \sqrt{4})! + 7^5 \times 5.$
$85440 := (-8 + (\sqrt{5+4})!!) \times (4 + 0!)!.$
$85442 := (8! + (5 + \sqrt{4})^4) \times 2.$
$85560 := -8 \times 5! + 5! \times (6! + 0!).$
$85680 := (-8 + 5!) \times 6! + (8 - 0!)!.$
$85734 := (-8 + (5 \times 7)^3) \times \sqrt{4}.$
$86314 := -86 + 3!! \times (1+4)!.$
$86400 := (8! + 6! \times 4) \times (0! + 0!).$
$86402 := (8! + 6! \times 4 + 0!) \times 2.$
$86404 := 8 + 6! \times (4 + 0!)! - 4.$
$86408 := 8 + 6! \times (40/8)!.$
$86440 := (8 + 6! \times 4!) \times (4 + 0!).$
$86528 := (-8 + 6! + 5!)^2/8.$
$86640 := (8 - 6 + 6!) \times (4 + 0!)!.$
$86938 := 8! + 6^{(\sqrt{9})!} - 38.$
$86956 := 8! + 6^{(\sqrt{9})!} - 5!/6.$
$86970 := 8! + 6^{(\sqrt{9})!} - 7 + 0!.$
$86984 := 8! + 6^{(\sqrt{9})!} + \sqrt{\sqrt{8^4}}.$
$86996 := (8+6!) \times ((\sqrt{9})!! - \sqrt{9})/6.$
$87352 := -8 + 7!/3 \times 52.$
$87355 := (8!/7! + 3!!) \times 5! - 5.$
$87379 := ((8!/7!)^{3!} - 7)/\sqrt{9}.$
$87536 := 8 \times 7 + 5! \times 3^6.$
$87595 := (-8 + 7^5 + (\sqrt{9})!!) \times 5.$
$88704 := (88 \times 7!)/(0! + 4).$
$89460 := -8! + (\sqrt{9})!!/4 \times (6! + 0!).$
$89471 := 8! + \sqrt{9} \times 4^7 - 1.$
$89474 := 8 + (9! + 4! - 7!)/4.$
$89595 := 8!/9 \times 5!/(\sqrt{9})! - 5.$
$89599 := (8!/(\sqrt{9})! \times 5! - 9)/9.$
$90494 := (-904 + 9!)/4.$
$90534 := (9! - ((-0! + 5)! + 3!!))/4.$
$90690 := (9! - (-0! + 6)!)/(\sqrt{9} + 0!).$
$90719 := 90 \times 7! - 1 - 9!.$
$90794 := \sqrt{9} + \sqrt{0! + 7!} + 9!/4.$
$90894 := -(\sqrt{9})! + ((0!+8)! + (\sqrt{9})!!)/4.$
$91435 := 9! \times 1/4 + 3!! - 5.$
$91439 := (\sqrt{9} \times 3)!/4 - 1 + (\sqrt{9})!!.$
$91440 := 9! \times 1/4 + (4 - 0!)!!.$
$91446 := (9! + 1 \times 4!)/4 + 6!.$
$91464 := 9! \times 1/4 + 6! + 4!.$
$91560 := ((\sqrt{9})! + 1)! + 5! \times (6! + 0!).$
$91744 := (9! + (1+7)^4)/4.$
$92032 := 2 \times (3!! - 0!) \times 2^{(\sqrt{9})!}.$
$92184 := (\sqrt{9})!! \times 2^{(-1+8)} + 4!.$
$92416 := ((\sqrt{9})!! + 2) \times \sqrt{4^{1+6}}.$
$92880 := (\sqrt{9})!! \times (2 \times (8 \times 8) + 0!).$
$92928 := ((\sqrt{9})!!/2 + \sqrt{9}) \times 2^8.$
$93252 := (\sqrt{9})!^{3!} \times 2 - 5!/2.$
$93256 := (\sqrt{9})!^{3!} \times 2 - 56.$
$93300 := ((\sqrt{9})!^{3!} - 3!) \times (0! + 0!).$
$93320 := 9 + 3!^{3!} \times 2 - 0!.$
$93330 := (9 + 3!^{3!}) \times (3 - 0!).$
$93384 := (\sqrt{9} + 3 \times \sqrt{3!^8}) \times 4!.$
$93562 := ((\sqrt{9})!^{3!} + \sqrt{5^6}) \times 2.$
$93744 := 9!/3!! \times (7!/4! - 4!).$
$93756 := (\sqrt{9})! \times (-3! + 7 + 5^6).$
$93888 := 9 \times (\sqrt{3!^8} + 8) \times 8.$
$93927 := ((\sqrt{9})!! - 3) \times (\sqrt{9} + 2^7).$
$94315 := 9!/4 + (3!! - 1) \times 5.$
$94335 := 9!/4 + (3 + 3!!) \times 5.$
$94365 := 9!/4 + 3^6 \times 5.$
$94494 := (9!/4! - 4! + 9!)/4.$
$94512 := ((\sqrt{9})!! - 4) \times (5! + 12).$
$94751 := 94 \times 7!/5 - 1.$
$94752 := 94 \times 7!/\sqrt{5^2}.$
$94754 := 94 \times 7!/5 + \sqrt{4}.$
$94816 := 9!/4 + 8^{\sqrt{16}}.$
$94824 := (9!/4 + 8) + \sqrt{2^{4!}}.$
$94848 := (9 + 4!) \times 8^4 - 8!.$
$94864 := ((9!/\sqrt{4} + 8!)/6!)^{\sqrt{4}}.$
$94957 := -\sqrt{9} + (4 + (\sqrt{9})!)^5 - 7!.$
$95035 := \left(\sqrt{(\sqrt{9})!!/5}\right)!/(0! + 3!)! - 5.$
$95037 := -\sqrt{9} + ((5 - 0!) \times 3)!/7!.$
$95040 := \left(\sqrt{(\sqrt{9})!!/5}\right)!/(0! + (4 - 0!)!)!.$
$95064 := \left(\sqrt{(\sqrt{9})!!/5}\right)!/(0! + 6)! + 4!.$
$95496 := (-9! + 5!^4/\sqrt{9})/6!.$
$95749 := 9!/4 + 7! - 5 - (\sqrt{9})!.$
$95754 := -(\sqrt{9})!!/5! + 7! \times (-5 + 4!).$
$95937 := (\sqrt{9})! \times 5^{(\sqrt{9})!} + 3^7.$
$95994 := -(\sqrt{9})! + (5!^{\sqrt{9}})/(9 \times \sqrt{4}).$
$95999 := -\left(\sqrt{9} - 5!^{\sqrt{9}}/(\sqrt{9})!\right)/\sqrt{9}.$
$96475 := (\sqrt{9})!! \times (6 + \sqrt{4^7}) - 5.$
$96480 := (\sqrt{9})!! \times (6 + \sqrt{4^{(8-0!)}}).$
$96759 := 96 \times 7!/5 - 9.$
$97344 := ((9 + 7 - 3) \times 4!)^{\sqrt{4}}.$
$97447 := (-(\sqrt{9})!! + (7+4)^4) \times 7.$
$97917 := -\sqrt{9} + (7! + (\sqrt{9})!!) \times 17.$
$97920 := ((\sqrt{9})!! + 7!) \times (-\sqrt{9} + 20).$
$97947 := \sqrt{9^7} + 9!/4 + 7!.$
$98301 := \sqrt{9} \times (8^{3!-0!} - 1).$
$98302 := \sqrt{9} \times 8^{3!-0!} - 2.$
$98313 := 9 + 8^{3!-1} \times 3.$
$98334 := (9 \times 8^{3!} + 3!!)/4!.$
$98385 := \sqrt{\sqrt{9^8}} + 3 \times 8^5.$
$98444 := ((\sqrt{9})! + 8^4) \times 4! - 4.$
$98448 := ((\sqrt{9})! + 8^4) \times (-4 + 8)!.$
$98496 := -(\sqrt{9})!^8/4 + (\sqrt{9})!! \times 6!.$
$98517 := \sqrt{9} \times (8^5 + \sqrt{1 + 7!}).$
$98535 := \sqrt{9^8} \times 5 \times 3 + 5!.$

$98598 := \sqrt{9} \times (8^5 + 98)$.
$98634 := -(\sqrt{9})! + 8! + 6! \times 3^4$.
$98640 := (\sqrt{9})!! \times (-8 + 6 \times 4! + 0!)$.
$98784 := \left(\sqrt{(\sqrt{9})!^8} \times 7 + 8!\right) \times \sqrt{4}$.
$99127 := ((\sqrt{9})!!/(\sqrt{9})! - 1)^2 \times 7$.
$99342 := 9! - ((\sqrt{9})! + 3!!)^{\sqrt{4}}/2$.
$99360 := (\sqrt{9})!! \times (\sqrt{9} \times 3! + (6 - 0!)!)$.
$99378 := 9 + \sqrt{9^{3+7}} + 8!$.
$99584 := (\sqrt{9})!! \times (\sqrt{9})!!/5 - 8^4$.
$99594 := (-(\sqrt{9})! + 9!/5!) \times (9 + 4!)$.
$99720 := (-9 \times (\sqrt{9})! + 7!) \times 20$.
$99846 := (9 + (-\sqrt{9} + 8)!)^{\sqrt{4}} \times 6$.

5.3. Selfie representations in reverse order of digits

$25 := 5^2$.
$64 := \sqrt{4^6}$.

$125 := 5^{2+1}$.
$126 := 6 \times 21$.
$153 := 3 \times 51$.
$289 := (9 + 8)^2$.
$337 := 7^3 - 3!$.
$624 := 4! \times 26$.
$625 := \sqrt{5^{2+6}}$.
$688 := 8 \times 86$.
$719 := (\sqrt{9})!! - 1^7$.
$864 := 4! \times \sqrt{\sqrt{6^8}}$.

$1024 := \sqrt{\sqrt{4^{20}}} \times 1$.
$1345 := 5^4 + 3!! \times 1$.
$1359 := 9 \times (5! + 31)$.
$1395 := 5 \times 9 \times 31$.
$1436 := 6! + 3!! - 4 \times 1$.
$1477 := 7 \times (7!/4! + 1)$.
$2189 := \sqrt{9^{8-1}} + 2$.
$2197 := (7 + (\sqrt{9})!)^{1+2}$.
$2403 := (3! + 0!)^4 + 2$.
$2517 := (7! - 1 - 5)/2$.
$2575 := -5 + (7! + 5!)/2$.
$2736 := 6^3 + 7!/2$.
$2876 := (6! + 7! - 8)/2$.
$2916 := (6 \times 1 \times 9)^2$.
$3072 := 2^7 \times (0! + 3)!$.
$3159 := \sqrt{9^5} \times 13$.
$3237 := (7! - 3!)/2 + 3!!$.
$3369 := (9 + 6)^3 - 3!$.
$3372 := 2 \times (7!/3 + 3!)$.
$3375 := (5 + 7 + 3)^3$.
$3378 := (8 + 7)^3 + 3$.
$3384 := 4! + 8!/(3! + 3!)$.
$3483 := \sqrt{3^8 \times 43}$.
$3845 := \sqrt{5^{\sqrt{4}+8}} + 3!!$.
$3867 := (-7 + \sqrt{6^8}) \times 3$.
$3891 := (1 + \sqrt{(\sqrt{9})!^8}) \times 3$.
$3894 := (\sqrt{4} + \sqrt{(\sqrt{9})!^8}) \times 3$.
$3977 := 7! - 7^{\sqrt{9}} - 3!!$.
$4092 := \sqrt{2^{(\sqrt{9}+0!)!}} - 4$.
$4215 := 5! - 1 + \sqrt{2^{4!}}$.
$4216 := (6 - 1)! + \sqrt{2^{4!}}$.
$4331 := -1 + 3! \times (3!! + \sqrt{4})$.
$4356 := \sqrt{((6 + 5) \times 3!)^4}$.
$4394 := (4 + 9)^3 \times \sqrt{4}$.
$4478 := 8!/(7 + \sqrt{4}) - \sqrt{4}$.
$4489 := \sqrt{(\sqrt{9} + \sqrt{8^4})^4}$.
$4598 := 8!/9 + 5! - \sqrt{4}$.
$4624 := (4 + 2^6)^{\sqrt{4}}$.
$4675 := -5 + 7! - 6!/\sqrt{4}$.
$4782 := -2^8 + 7! - \sqrt{4}$.
$4784 := \sqrt{(\sqrt{4^8} - 7!)^{\sqrt{4}}}$.
$4796 := -6!/\sqrt{9} + 7! - 4$.
$4797 := 7! - \sqrt{9^{7-\sqrt{4}}}$.
$4802 := 2 \times (0! - 8)^4$.
$4957 := 7! - 59 - 4!$.
$4967 := 7! - 69 - 4$.
$4992 := (-2^9 + (\sqrt{9})!!) \times 4!$.
$5175 := 5! + 7! + 15$.
$5785 := \sqrt{5^8} + 7! + 5!$.
$5864 := -(\sqrt{4} - 6!) \times 8 + 5!$.
$5880 := 5! + 8!/(8 - 0!)$.
$6048 := 8!/40 \times 6$.
$6144 := 4^{4+1} \times 6$.
$6475 := -5 + (7 + \sqrt{4}) \times 6!$.
$6478 := 8!/7 - \sqrt{4} + 6!$.
$6655 := 5 \times \sqrt{(5 + 6)^6}$.
$6715 := -5 + (1 + 7)!/6$.
$6748 := (8! + 4! \times 7)/6$.
$6992 := 2^9 + 9 \times 6!$.
$7335 := 5 \times (-3!! + 3^7)$.
$7992 := ((2 + 9)! + 9!)/7!$.
$8057 := 8!/(0 + 5) - 7$.
$8058 := 8!/5 - (\sqrt{0! + 8})!$.
$8496 := 6! + \sqrt{(\sqrt{9})!^{\sqrt{4}+8}}$.
$8576 := 67 \times (5! + 8)$.
$9375 := \sqrt{5^{7+3} \times 9}$.
$9575 := 5 \times 7! - 5^{(\sqrt{9})!}$.
$9865 := 5^6 - 8 \times (\sqrt{9})!!$.

$10344 := 4! \times (430 + 1)$.
$10369 := 9!/(6 \times 3! - 0!) + 1$.
$10785 := 5!/8 \times ((7 - 0!)! - 1)$.
$10919 := 91 \times ((\sqrt{9})! - 0!)! - 1$.
$10935 := 5 \times 3^{(9-0!-1)}$.
$11163 := 3 \times 61^{1+1}$.
$11339 := 9!/(33 - 1) - 1$.
$11869 := ((\sqrt{9})! + 6)!/8! - 11$.
$12504 := 4! \times (0 + 521)$.
$12543 := (3! + \sqrt{4} - 5!)^2 - 1$.
$12595 := -5 + ((\sqrt{9})!! - 5!) \times 21$.
$12605 := 5 \times ((0! + 6)!/2 + 1)$.
$12759 := -9 + (5! - 7)^2 - 1$.
$12769 := ((\sqrt{9})!!/6 - 7)^2 \times 1$.
$12939 := (\sqrt{9})!! \times 3 \times (\sqrt{9})! - 21$.
$12981 := 18 \times (\sqrt{9})!! + 21$.
$12995 := (5! - 9 + \sqrt{9})^2 - 1$.
$13239 := 9 \times (3!! \times 2 + 31)$.
$13248 := (8! - 4!^2)/3 \times 1$.
$13368 := (8! - 6^3)/3 \times 1$.
$13398 := 8!/\sqrt{9} - 3! \times (3! + 1)$.
$13432 := ((2^3)! - 4!)/3 \times 1$.
$13438 := 8!/3 - 4 + 3 - 1$.
$13453 := -3 + (5! - 4)^{3-1}$.
$13456 := (-6 + 5! + \sqrt{4})^{3-1}$.
$13458 := (8! + 54)/3 \times 1$.
$13459 := \sqrt{9} + (5! - 4)^{3-1}$.
$13464 := 4! + (\sqrt{64})!/3 \times 1$.
$13488 := 8 \times (8!/4! + 3!) \times 1$.
$13536 := 6! + 3!^5 + (3! + 1)!$.
$13704 := \sqrt{4!^{(-0!+7)}} - (3! - 1)!$.
$13725 := 5 \times ((2 \times 7)^3 + 1)$.
$13834 := 4!^3 + 8 + 3 - 1$.
$13864 := \sqrt{4!^6} + 8 \times (3! - 1)$.
$13925 := (5! - 2)^{(\sqrt{9})!/3} + 1$.
$13942 := -2 + 4!^{\sqrt{9}} + (3! - 1)!$.

$13944 := \sqrt{4!^{\sqrt{4\times 9}}} + (3! - 1)!.$
$13945 := 5! + 4!^{9/3} + 1.$
$14155 := -5 + (5! - 1)^{\sqrt{4}} - 1.$
$14156 := -6 + (5! - 1)^{\sqrt{4}} + 1.$
$14159 := -\sqrt{9} + (5! - 1)^{\sqrt{4}} + 1.$
$14161 := (-1 + (6 - 1)!)^{\sqrt{4}} \times 1.$
$14255 := -5! + 5!^2 - 4! - 1.$
$14325 := 5!^2 - 3 \times (4! + 1).$
$14373 := -3^7 + 3!! \times (4! - 1).$
$14375 := 5^{7-3} \times (4! - 1).$
$14393 := -3! + ((\sqrt{9})!!/3!)^{\sqrt{4}} - 1.$
$14419 := ((\sqrt{9})!! + 1) \times (4! - 4) - 1.$
$14423 := (3 + 2)!^{\sqrt{4}} + 4! - 1.$
$14425 := 5^2 \times (4!^{\sqrt{4}} + 1).$
$14435 := 5 \times ((3!! + \sqrt{4}) \times 4 - 1).$
$14445 := 5!^{\sqrt{4}} + 44 + 1.$
$14495 := (5 \times (\sqrt{9})!! + 4!) \times 4 - 1.$
$14519 := ((\sqrt{9})! - 1)! + 5!^{\sqrt{4}} - 1.$
$14525 := 5!^2 + 5^{4-1}.$
$14564 := 4 \times (6! \times 5 + 41).$
$14579 := \sqrt{9} \times 7! - 541.$
$14664 := \sqrt{4!^6} + 6! + (4 + 1)!.$
$14856 := (-6 + \sqrt{5^8}) \times 4! \times 1.$
$14885 := (5! + \sqrt{\sqrt{8 + 8}})^{\sqrt{4}} + 1.$
$14909 := (9! - (0! + (\sqrt{9})!)!)/4! - 1.$
$14939 := (9!/3! - (\sqrt{9})!!)/4 - 1.$
$14979 := \sqrt{9} \times (7! - (\sqrt{9})! - 41).$
$14995 := -5^{\sqrt{9}} + 9!/4! \times 1.$
$15069 := \sqrt{9} \times (6 + 0!)! - 51.$
$15239 := 9!/(3! - 2)! + 5! - 1.$
$15264 := \sqrt{4!^6} + 2 \times (5 + 1)!.$
$15425 := 5!^2 + 4^5 + 1.$
$15562 := 2 \times (6^5 + 5) \times 1.$
$15565 := 5^6 - 5!/\sqrt{5 - 1}.$
$15568 := (8 + 6^5) \times \sqrt{5 - 1}.$
$15614 := (4 + 1)^6 - \sqrt{5! + 1}.$
$15629 := (\sqrt{9} + 2)^6 + 5 - 1.$
$15984 := (\sqrt{4} \times 8! - (\sqrt{9})!!)/5 \times 1.$
$16128 := 8! \times 2/(\sqrt{16} + 1).$
$16225 := 52^2 \times 6 + 1.$
$16374 := 4^7 - 3 - 6 - 1.$
$16448 := \sqrt{8^4} + 4^{6+1}.$
$16495 := 5! - 9 + 4^{6+1}.$
$16499 := -(\sqrt{9})!! + (\sqrt{9})!! \times 4! - 61.$
$16585 := 5! \times 8 + 5^6 \times 1.$
$16742 := (-2 + 4!) \times 761.$
$16783 := -3 \times 8 + 7^{6-1}.$
$16794 := -4 - 9 + 7^{6-1}.$
$16797 := -7 - \sqrt{9} + 7^{6-1}.$
$16813 := 3! + (-1 + 8)^{6-1}.$
$16927 := 7^{2+\sqrt{9}} + (6 - 1)!.$
$17974 := 4 \times 7! - \sqrt{9^7} + 1.$
$18729 := 9^{(-2+7)} - 8! \times 1.$
$18742 := -2 + 4! \times 781.$
$18744 := (\sqrt{4 \times 4})! \times 781.$
$18864 := \sqrt{4!^6} + 8!/8 \times 1.$
$18954 := \sqrt{4} \times (5! - \sqrt{9}) \times 81.$
$19264 := 4 \times (6! + \sqrt{2^{(\sqrt{9}+1)!}}).$
$19323 := -3!!/2 + 3^9 \times 1.$
$19349 := (\sqrt{9} + 4!) \times 3!! - 91.$
$19438 := (8! - 3!)/\sqrt{4} - (\sqrt{9})!! + 1.$
$19474 := (4 + 7!/4!) \times 91.$
$19656 := \sqrt{6^5 \times 6} \times 91.$
$19736 := (6 + 3^7) \times 9 - 1.$
$19747 := 7 \times (4! + 7) \times 91.$
$19803 := 3^{0!+8} + ((\sqrt{9})! - 1)!.$
$20148 := 8!/\sqrt{4} - 10 - 2.$
$20158 := 8! \times 5/10 - 2.$
$20159 := ((\sqrt{9} + 5)! - 1 - 0!)/2.$
$20268 := (8! + 6^{2+0!})/2.$
$20448 := (8! + 4!^{\sqrt{4}})/(0 + 2).$
$20449 := (9 \times 4 \times 4 - 0!)^2.$
$20485 := 5 \times (8^4 + (0/2)!).$
$20665 := 5^6 + (6 + (0/2)!)!.$
$20736 := (6 \times 3 \times (7 + 0!))^2.$
$20785 := \sqrt{5^8} + (7 + 0!)!/2.$
$20873 := (3!! - 7) + 8!/(0 + 2).$
$20876 := 6! + (-7 + 8! - 0!)/2.$
$20883 := 3!! + (8! + \sqrt{8 + 0!}!)/2.$
$21603 := 30 \times 6! + 1 + 2.$
$21844 := (-4 + 4^8)/(1 + 2).$
$21848 := (8 + 4^8)/(1 + 2).$
$21952 := (25 + \sqrt{9})^{1+2}.$
$22264 := 46 \times 22^2.$
$22398 := 8!/9 \times (3 + 2) - 2.$
$22472 := (2 + 7!/4!)^2/2.$
$22528 := (8/2)^5 \times 22.$
$22599 := 9 \times (-9 + (5 + 2)!/2).$
$22675 := -5 + (7! + (6 + 2)!)/2.$
$22678 := (8! + 7 \times 6!)/2 - 2.$
$22679 := (9 \times 7! - 6)/2 + 2.$
$22757 := 7 \times (57^2 + 2).$
$22966 := (6^6 - (\sqrt{9})!!)/2 - 2.$
$22969 := ((\sqrt{9})!^6 - (\sqrt{9})!! + 2)/2.$
$23008 := ((\sqrt{8 + 0!})!! - 0!) \times 32.$
$23066 := -6 + (6! + 0!) \times 32.$
$23069 := -\sqrt{9} + (6! + 0!) \times 32.$
$23072 := ((\sqrt{2 + 7})!! + 0!) \times 32.$
$23296 := 6^{(\sqrt{9})!}/2 - 32.$
$23304 := -4! - 0 + 3!^{3!}/2.$
$23319 := -9 + 1 \times 3!^{3!}/2.$
$23331 := 1 \times 3 + 3!^{3!}/2.$
$23364 := 4 \times (-6! + 3^{3!+2}).$
$23377 := 7 \times 7 + 3!^{3!}/2.$
$23409 := (9 + (0 + 4)! \times 3!)^2.$
$23436 := 63 \times (4! + 3!!)/2.$
$23513 := -(3! + 1)^5 + (3! + 2)!.$
$23762 := (26 + 7) \times 3!! + 2.$
$24191 := -1 + 9!/(-1 + 4^2).$
$24194 := \sqrt{4} + 9!/(-1 + 4^2).$
$24332 := 23^3 \times \sqrt{4} - 2.$
$24346 := (6! - 4) \times 34 + 2.$
$24367 := 7 \times (63 - 4)^2.$
$24575 := 5 \times (7! - \sqrt{5^{4+2}}).$
$24579 := (-9 + 7!) \times 5 - 4!^2.$

$24649 := (9 + 4 + 6 \times 4!)^2$.
$24695 := -5^{(9-6)!} + (4 \times 2)!$.
$24768 := 8! - 6^{(7-\sqrt{4})} \times 2$.
$24964 := (\sqrt{4^6} + 94)^2$.
$25088 := 8 \times (8!/(0! + 5)!)^2$.
$25575 := 5 \times (75 + (5 + 2)!)$.
$25577 := (7! + 75) \times 5 + 2$.
$25915 := -5 + (-1 + 9)! - 5!^2$.
$25917 := (7 + 1)! - \sqrt{9} - 5!^2$.
$25938 := 8! + 3 \times (\sqrt{9})! - 5!^2$.
$25998 := (8!/9 + (\sqrt{9})!!) \times 5 - 2$.
$26064 := (4 + 6!) \times (0 + 6^2)$.
$26136 := (6 + 3!!) \times 1 \times 6^2$.
$26208 := (8 + (0! + 2)!!) \times 6^2$.
$26279 := (9!/7 - 2 + 6!)/2$.
$26352 := (2 + 5!) \times 3! \times 6^2$.
$26488 := 8! - 8 - 4!^{6/2}$.
$26489 := -9 + 8! - \sqrt{4!^6} + 2$.
$26635 := -5 + 3!! + 6! \times 6^2$.
$26664 := 4! + 6! + 6! \times 6^2$.
$26848 := 8 \times (-4 + 8!/(6 \times 2))$.
$26898 := 8! + (9 - 8!/6) \times 2$.
$26937 := 73 \times (9 + 6!/2)$.
$26964 := (4! + 6)^{\sqrt{9}} - 6^2$.
$26973 := 37 \times 9^{6/2}$.
$26994 := \sqrt{((4! + (\sqrt{9})!)^{\sqrt{9}} - 6)^2}$.
$27198 := 8! - \sqrt{9^{1+7}} \times 2$.
$27456 := (6 + 5) \times (-4! + 7!/2)$.
$27497 := -7 - (\sqrt{9})!! + (4! \times 7)^2$.
$27534 := (4!^3 - 57) \times 2$.
$27634 := (\sqrt{4!^{\sqrt{36}}} - 7) \times 2$.
$27642 := 2 \times (\sqrt{4!^6} - \sqrt{7 + 2})$.
$27662 := (\sqrt{(-2 + 6)!^6} + 7) \times 2$.
$27715 := 5 \times (-1 + 7!) + 7!/2$.
$27728 := 8^{(-2+7)} - (\sqrt{7^2})!$.
$27735 := 5 \times (3 + 7!) + 7!/2$.
$27783 := \sqrt{3^8} \times 7 \times 7^2$.
$27889 := ((\sqrt{9})!! - 887)^2$.
$28479 := ((\sqrt{9})! + 7)^4 - 82$.
$28497 := (7 + (\sqrt{9})!)^4 - 8^2$.
$28561 := (1 + \sqrt{6!/5})^{8/2}$.
$28575 := (5! + 7) \times (5!/8)^2$.
$28656 := 6^5 + 6! + 8!/2$.
$28735 := 5^{3!} \times 7 - 8! \times 2$.
$28764 := (-4! + 6 \times \sqrt{7^8}) \times 2$.
$28944 := (4!^4 + 9!)/(8/2)!$.
$28974 := -4^7 + 9!/8 - 2$.
$29184 := 4! + 81 \times (\sqrt{9})!!/2$.
$29196 := (6! + 91) \times (\sqrt{9})!^2$.
$29523 := (3^{2\times5} - \sqrt{9})/2$.
$29529 := (9^{\sqrt{25}} + 9)/2$.
$29561 := (1 + 6!) \times (5 + (\sqrt{9})!^2)$.
$29646 := (6!/\sqrt{4} + 6) \times 9^2$.
$29735 := -5^{3!} + 7! \times \sqrt{9^2}$.
$29736 := 6 \times (-3 + 7! - 9^2)$.
$29754 := (\sqrt{4 + 5})! \times (7! - 9^2)$.
$29768 := 8 \times (67 - (\sqrt{9})!)^2$.
$29789 := (\sqrt{9} \times 8 + 7)^{\sqrt{9}} - 2$.
$29876 := 6 \times 7! - (8 + (\sqrt{9})!!)/2$.
$29929 := (92 + 9 \times 9)^2$.
$29946 := 6 \times (-49 + (9 - 2)!)$.
$29984 := -\sqrt{4^8} + (\sqrt{9})! \times (9 - 2)!$.
$29997 := 7! \times (\sqrt{9})! - \sqrt{9} \times 9^2$.
$30137 := 7! \times 3! - 103$.
$30175 := -5 + (7! - 10) \times 3!$.
$30176 := 6 \times 7! - (1 + 0!)^{3!}$.
$30239 := 9!/(3! \times 2) - (0/3)!$.
$30324 := 42 \times (3 - 0! + 3!!)$.
$30365 := \sqrt{5^6} + 3! \times (0! + 3!)!$.
$30475 := -5 + (7! + 40) \times 3!$.
$30576 := (6 + 7! + 50) \times 3!$.
$30738 := (83 + 7!) \times (0 + 3)!$.
$30786 := (6!/8 + 7! + 0!) \times 3!$.
$31782 := (2^8 + 7! + 1) \times 3!$.
$32128 := 8! - 2^{1+2\times3!}$.
$32258 := -8!/5 + 2 + (2^3)!$.
$32403 := (3!!/(0 + 4))^2 + 3$.
$32406 := (6!/(0 + 4))^2 + 3!$.
$32537 := -7 - 3!^5 + (2^3)!$.
$32568 := 8! - 6^5 + (-2 + 3!)!$.
$32648 := 8 \times 4^6 - (2 + 3)!$.
$32758 := 8^5 - \sqrt{7^2} - 3$.
$32832 := 2^{3!} + 8^{2+3}$.
$32849 := \sqrt{9^4} + 8^{2+3}$.
$33458 := 8! + (5 - 4!)^3 - 3$.
$33484 := -4 + (8 \times 4)^3 + 3!!$.
$33579 := 9 \times 7 \times 533$.
$33585 := 5 \times (8 \times (5! + 3!!) - 3)$.
$33587 := -7 + 8! \times 5/3! - 3!$.
$33589 := (-(\sqrt{9})! + 8!) \times 5/3! - 3!$.
$33594 := (\sqrt{4^{\sqrt{9}}})! \times 5/3! - 3!$.
$33597 := 7!/9 \times \sqrt{5 \times 3!!} - 3$.
$33598 := ((8! - \sqrt{9}) \times 5 + 3)/3!$.
$33599 := (9!/9 \times 5 - 3!)/3!$.
$33744 := 4! \times (\sqrt{4} \times 7^3 + 3!!)$.
$33769 := (9! \times 67 + 3!!)/3!!$.
$33792 := 2^{\sqrt{9}+7} \times 33$.
$34047 := (7!/4 + 0!) \times (4! + 3)$.
$34416 := 61 \times 4!^{\sqrt{4}} - 3!!$.
$34435 := -5^3 + 4! \times \sqrt{4} \times 3!!$.
$34452 := 2 \times (-54 + 4! \times 3!!)$.
$34496 := (6! + (\sqrt{9})!!) \times 4! - 4^3$.
$34524 := 4!/2 \times (5! \times 4! - 3)$.
$34575 := 5 \times (7! + 5^4 \times 3)$.
$34578 := (8!/7 + \sqrt{5 + 4}) \times 3!$.
$34624 := 4! \times 2 \times 6! + 4^3$.
$34632 := 2 \times (36 + 4! \times 3!!)$.
$34656 := 6!/5 \times (6! + \sqrt{4})/3$.
$34768 := -\sqrt{8^6} + 7 \times (4 + 3)!$.
$34937 := (-7 + 3!!) \times ((\sqrt{9})! + 43)$.
$34974 := 47 \times ((\sqrt{9})!! + 4!) + 3!$.
$34993 := (3 + (9 + 9)^4)/3$.
$35394 := 49 \times 3!! + 5! - 3!$.
$35427 := 7^2 \times (\sqrt{4 + 5} + 3!!)$.
$35496 := (-6! + 9!)/(\sqrt{4} \times 5) - 3!!$.

$35557 := 7^5 + 5^5 \times 3!.$
$35648 := 8 \times (4^6 + 5! \times 3).$
$35792 := 2^9 - 7! + (5+3)!.$
$35864 := -4^6 + 8! - 5! \times 3.$
$35937 := (-7 - 3!!/9 + 5!)^3.$
$35943 := 3!!/5! + (9+4!)^3.$
$35973 := -3^7 + (\sqrt{9})!! \times 53.$
$36007 := 7 \times (0! + (0! + 6)!) + 3!!.$
$36015 := 5 \times (10 \times 6! + 3).$
$36153 := -3!! + 51 \times (6! + 3).$
$36248 := 8! + 4! - (-2+6)^{3!}.$
$36289 := 9!/(8+2) + 6/3!.$
$36481 := (-1 + 8 \times 4!)^{6/3}.$
$36501 := \sqrt{(1 - (-0! + 5)!)^6} \times 3.$
$36714 := (-\sqrt{4} + 17 \times 6!) \times 3.$
$36715 := -5 + 17 \times 6! \times 3.$
$36846 := (-6 + 4! \times \sqrt{8^6}) \times 3.$
$36944 := (4!^4 + (\sqrt{9})!!)/(6+3).$
$37248 := 8! - 4 \times 2^7 \times 3!.$
$37488 := 8! + (8^4 - 7!) \times 3.$
$37584 := (4! \times 8)^{(-5+7)} + 3!!.$
$37668 := 86 \times 6 \times 73.$
$37795 := -5 + 9 \times (7! - 7!/3!).$
$37938 := 8! - 397 \times 3!.$
$37968 := 8!/6! \times ((\sqrt{9})!! - 7 \times 3!).$
$38139 := -\sqrt{9^{3!+1}} + 8! + 3!.$
$38248 := 8! - 4! - 2^{8+3}.$
$38278 := 8 \times (7! - 2^8) + 3!.$
$38328 := 8! - (-2+3!)! \times 83.$
$38427 := (7 \times 2)^4 + 8 + 3.$
$38448 := 8! - 4! \times 48 - 3!!.$
$38472 := (2 \times 7)^4 + 8!/3!!.$
$38523 := -3!!/2 \times 5 + 8! + 3.$
$38526 := -6!/2 \times 5 + 8! + 3!.$
$38528 := 8^{\sqrt{25}} + 8 \times 3!!.$
$38584 := (48+5) \times (8 + 3!!).$
$38592 := -(-2+9)!/5 + 8! - 3!!.$
$38767 := -7!/6 + 7 + 8! - 3!!.$
$38855 := -5! - \sqrt{5^8} + 8! - 3!!.$
$38863 := -3^6 - 8 + 8! - 3!!.$
$38934 := (-4! \times 3 + \sqrt{9^8}) \times 3!.$
$38936 := 6! \times 3! \times 9 + 8!/3!!.$
$38963 := 3!! \times 6 \times 9 + 83.$
$38975 := -5^{\sqrt{7+9}} + 8! - 3!!.$
$38976 := (6! - (\sqrt{7+9})!) \times 8!/3!!.$
$38992 := -(2+9)^{\sqrt{9}} + 8! + 3.$
$38994 := -(4 \times \sqrt{9})!/9! + 8! - 3!.$
$38995 := -(5 + (\sqrt{9})!)^{\sqrt{9}} + 8! + 3!.$
$39088 := 8! - 8^{\sqrt{0+9}} - 3!!.$
$39298 := ((8+9) \times 2)^{\sqrt{9}} - 3!.$
$39304 := (40 + 3 - 9)^3.$
$39356 := 6 \times (-5 + 3^9)/3.$
$39392 := 2^9 + 3!! \times 9 \times 3!.$
$39435 := 53 \times (4! + (\sqrt{9})!!) + 3.$
$39472 := -2^7 + (\sqrt{4^{\sqrt{9}}})! - 3!!.$
$39585 := 5 \times (8!/5 - \sqrt{9}) - 3!!.$
$39628 := 8! + \sqrt{2^6 + (\sqrt{9})!!} - 3!!.$
$39728 := 8! + 2^7 - (9-3)!.$
$39758 := 8! - 5 - 7!/9 + 3.$
$39805 := -\sqrt{5! + 0!} + 8! - 9!/3!!.$
$39809 := -(\sqrt{9})! - 0! + 8! - 9!/3!!.$
$39813 := -3 + 1 \times 8! - 9!/3!!.$
$39814 := -\sqrt{4} + 1 \times 8! - 9!/3!!.$
$39819 := \sqrt{9} + 1 \times 8! - 9!/3!!.$
$39824 := 4 \times 2 + 8! - 9!/3!!.$
$39879 := 9 \times 7 + 8! - 9!/3!!.$
$39928 := 8! - 2^9 + (\sqrt{9})!!/3!.$
$39936 := 6^{3!} - 9!/(9 \times 3!).$
$39982 := -2 + 8! \times ((\sqrt{9})!! - (\sqrt{9})!)/3!!.$
$39994 := (-4 \times (\sqrt{9})!! + 9!)/9 - 3!.$
$40024 := 4! + 200^{\sqrt{4}}.$
$40348 := 40 - 3 \times 4 + 8!.$
$40348 := 8! + \sqrt{4} + 30 - 4.$
$40349 := (\sqrt{9})! + (\sqrt{4^3})! - 0! + 4!.$
$40349 := 4! - 0! + 3! + (\sqrt{4^{\sqrt{9}}})!.$
$40352 := 2^5 + (3 + 0! + 4)!.$
$40378 := 8 \times 7 \times (3!! + 0!) + \sqrt{4}.$
$40498 := 8! + (\sqrt{9})!!/4 + 0 - \sqrt{4}.$
$40738 := 8! + 3! \times 70 - \sqrt{4}.$
$40828 := 8! + 2^{8+0!} - 4.$
$40878 := 8! + 7 \times 80 - \sqrt{4}.$
$40945 := 5^4 + (9 - (0/4)!)!.$
$40964 := 4^6 \times (9 + 0!) + 4.$
$40978 := 8! + 7 \times (90 + 4).$
$41468 := (8 \times 6^4 - 1) \times 4.$
$41538 := 8! - 3! + 51 \times 4!.$
$41544 := (4+4)! + 51 \times 4!.$
$41548 := 8! + 4! \times 51 + 4.$
$41578 := 8! + 7!/(5-1) - \sqrt{4}.$
$41638 := 8! + (3!! - 61) \times \sqrt{4}.$
$41688 := 8! + (8!/6! + 1) \times 4!.$
$41748 := 8! + \sqrt{4} \times 714.$
$41756 := 6! \times (57+1) - 4.$
$41958 := 8! + (5! - \sqrt{9}) \times 14.$
$42288 := 8! + 82 \times 24.$
$42378 := 8! + 7^3 \times (2+4).$
$42436 := (6 \times 34 + 2)^{\sqrt{4}}.$
$42736 := 6 \times 3!! + (7 \times 2)^4.$
$42837 := (7! + (-3 + 8!) \times 2)/\sqrt{4}.$
$42848 := (8! + 4^8 \times 2)/4.$
$42952 := (-2 + 5!) \times ((\sqrt{9})!!/2 + 4).$
$42955 := -5 + 5! \times ((\sqrt{9})!!/2 - \sqrt{4}).$
$42976 := (-6! + 7!) \times 9 + \sqrt{2^{4!}}.$
$43179 := -\sqrt{9} \times (7 - (-1 + 3!)!^{\sqrt{4}}).$
$43185 := 5!/8 \times (-1 + 3!! \times 4).$
$43344 := (\sqrt{\sqrt{4^{4!}}} + 3!!) \times \sqrt{3^4}.$
$43388 := 8! + 8^3 \times 3! - 4.$
$43392 := 2^9 \times 3! + (3! + \sqrt{4})!.$
$43488 := (8! + (8 - \sqrt{4})^{3!})/\sqrt{4}.$
$43659 := ((\sqrt{9})! + 5) \times \sqrt{63^4}.$
$43681 := (1 - 8 + 6^3)^{\sqrt{4}}.$
$43728 := 8! + 2 \times (7!/3 + 4!).$
$43824 := (4! - 2) \times 83 \times 4!.$
$43904 := (4 \times (0! + (\sqrt{9})!))^3 \times \sqrt{4}.$

$43916 := 61 \times (9-3)! - 4.$
$43923 := 3 \times (2+\sqrt{9} \times 3)^4.$
$43959 := 9^5 - (9! - 3!!)/4!.$
$43995 := 5^{(\sqrt{9})!} \times \sqrt{9} - 3!! \times 4.$
$44095 := -5 + (((\sqrt{9})! + 0!)!/4!)^{\sqrt{4}}.$
$44176 := 6! + 7! + 14^4.$
$44517 := 71 \times (5^4 + \sqrt{4}).$
$44519 := (91 + 5!)^{\sqrt{4}} - \sqrt{4}.$
$44521 := (1 + (2+5)!/4!)^{\sqrt{4}}.$
$44736 := (6! - 3 \times 7) \times \sqrt{\sqrt{\sqrt{4^{4!}}}}.$
$44736 := (\sqrt{\sqrt{\sqrt{4^{4!}}}}) \times (-7 \times 3 + 6!).$
$44798 := (8! + 9!)/(7 + \sqrt{4}) - \sqrt{4}.$
$44937 := -7 + (3!^{\sqrt{9}} - 4)^{\sqrt{4}}.$
$44995 := -5 - ((\sqrt{9})!! - 9!/4)/\sqrt{4}.$
$45359 := 9!/(5+3) - 5 + 4.$
$45478 := 8! + 7! + \sqrt{4} + 5! - 4.$
$45592 := (-2 + 95 \times 5!) \times 4.$
$45595 := -5 + 95 \times 5! \times 4.$
$45696 := (4 + \sqrt{5 \times 6!}) \times ((\sqrt{9})!! - 6).$
$45696 := (6! - (\sqrt{9})!) \times (\sqrt{6! \times 5} + 4).$
$45732 := (4! + (5! + 7) \times 3!!)/2.$
$45783 := 3^8 \times 7 - 5! - 4!.$
$45796 := (6^{\sqrt{9}} - 7 + 5)^{\sqrt{4}}.$
$45897 := 7 \times \sqrt{9^8} - 5!/4.$
$45962 := 2^6 \times (\sqrt{9})!! - 5! + \sqrt{4}.$
$45966 := 6^6 - (\sqrt{9})!! + 5!/4.$
$45979 := 9 \times 7! - (\sqrt{9})! + 5^4.$
$45996 := 6^{(\sqrt{9})!} - (\sqrt{9})!! + 5!/\sqrt{4}.$
$46076 := 6! \times (70 - 6) - 4.$
$46142 := \sqrt{\sqrt{2^{4!}}} \times (1 + 6!) - \sqrt{4}.$
$46148 := \sqrt{8^4} \times (1 + 6!) + 4.$
$46232 := (2 + 3!!) \times 2^6 + 4!.$
$46296 := 6^{\sqrt{9} \times 2} - 6!/\sqrt{4}.$
$46328 := -8 + 2^{3!} \times (6! + 4).$
$46337 := -7^3 + 3!^6 + 4!.$
$46476 := 6^{(7-4)!} - 6!/4.$
$46488 := 88^{\sqrt{4}} \times 6 + 4!.$
$46528 := 8^2 \times (5 + 6! + \sqrt{4}).$
$46533 := 3!^{3!} - 5! - 6/\sqrt{4}.$
$46539 := (\sqrt{9})!^{3!} - 5! + 6/\sqrt{4}.$
$46599 := (\sqrt{9})!^{(\sqrt{9})!} - (5! - 6)/\sqrt{4}.$
$46623 := -3^2 + 6^6 - 4!.$
$46643 := -\sqrt{3^4} + 6^6 - 4.$
$46671 := 17 + 6^6 - \sqrt{4}.$
$46681 := 1^8 + 6^6 + 4!.$
$46682 := 28 + 6^6 - \sqrt{4}.$
$46683 := \sqrt{\sqrt{\sqrt{3^8}}} + 6^6 + 4!.$
$46684 := 4 \times 8 + 6^6 - 4.$
$46685 := \sqrt{\sqrt{5^8} + 6^6} + 4.$
$46686 := \sqrt{\sqrt{\sqrt{6^{8 \times 6}}}} + 6 + 4!.$
$46687 := \sqrt{\sqrt{\sqrt{7^8}}} + 6^6 + 4!.$
$46688 := \sqrt{8 \times 8} + 6^6 + 4!.$
$46689 := 9!/8! + 6^6 + 4!.$
$46691 := -1 + (\sqrt{9})!^6 + \sqrt{6^4}.$
$46693 := 39 + 6^6 - \sqrt{4}.$
$46736 := 6^{3!} + 76 + 4.$
$46797 := -7! + 9!/7 - 6/\sqrt{4}.$
$46871 := -1 + 7 \times (8!/6 - 4!).$
$46874 := \sqrt{4} + 7 \times (8!/6 - 4!).$
$46881 := \sqrt{(1+8)^8} + (\sqrt{64})!.$
$46883 := 3^8 + 8! + 6 - 4.$
$46889 := \sqrt{9^8} + 8! + \sqrt{64}.$
$46899 := \sqrt{9} \times (\sqrt{9} - 8)^6 + 4!.$
$46936 := 6^{3!} + 9!/6^4.$
$46997 := 7^{\sqrt{9}} + (\sqrt{9})!^6 - \sqrt{4}.$
$47369 := (\sqrt{9})!^6 + 3!! - \sqrt{\sqrt{7^4}}.$
$47516 := 6 \times (\sqrt{1 + 5!})!/7! - 4.$
$47538 := 8! + 3 \times (5 + 7^4).$
$47544 := 4! + (\sqrt{4! + 5!})!/(7! \times \sqrt{4}).$
$47639 := (-9 + 3!!) \times 67 + \sqrt{4}.$
$47799 := 9 \times (-9 + 7!) + 7!/\sqrt{4}.$
$47858 := -8^5 + (8! - 7) \times \sqrt{4}.$
$47868 := 8! - 6 \times (8 - 7!)/4.$
$47875 := -5 + 7! + 8! + 7!/\sqrt{4}.$
$47883 := -3! + 8! + \sqrt{87^4}.$
$47895 := (5! + 9!)/8 + 7!/\sqrt{4}.$
$47898 := 8! + 9 + 87^{\sqrt{4}}.$
$47916 := 6^{(\sqrt{1 \times 9})!} + 7!/4.$
$48333 := 3!^{3!} - 3 + 8!/4!.$
$48336 := 6^{3+3} + 8!/4!.$
$48339 := \sqrt{9} + 3!^{3!} + 8!/4!.$
$48344 := (4! - 4)^3 + 8! + 4!.$
$48366 := 6^6 + (3!! + 8!)/4!.$
$48596 := 69 \times 5! + 8! - 4.$
$48606 := 6 \times (0! + (6!/8)^{\sqrt{4}}).$
$48636 := 6 \times (3! + (6!/8)^{\sqrt{4}}).$
$48973 := 37^{\sqrt{9}} - 8!/4!.$
$49096 := (69 - 0!) \times ((\sqrt{9})!! + \sqrt{4}).$
$49392 := (-2 + 9)^3 \times (\sqrt{9})! \times 4!.$
$49528 := 82 \times (-5! + (\sqrt{9})!! + 4).$
$49542 := (\sqrt{\sqrt{2^{4!}}} + 5) \times ((\sqrt{9})!! - \sqrt{4}).$
$49556 := (6! + 5!) \times 59 - 4.$
$49609 := ((\sqrt{9})!! - 0!) \times 69 - \sqrt{4}.$
$49613 := (3!! - 1) \times 69 + \sqrt{4}.$
$49668 := -8 + 6! \times 69 - 4.$
$49824 := -4!^2 - 8! + 9!/4.$
$49905 := -(5 + 0!)! + (9 + (\sqrt{9})!)^4.$
$49906 := -6! + 0! + (9 + (\sqrt{9})!)^4.$
$49984 := 4^8 - \sqrt{(\sqrt{9})!^9 \times 4!}.$
$50349 := -\sqrt{9} \times (4! - (3! + 0!)^5).$
$50625 := (5!/(2+6))^{(-0!+5)}.$
$50967 := 7 \times (6! + 9^{(-0!+5)}).$
$51697 := 7! + (\sqrt{9})!^6 + 1^5.$
$51719 := 9!/(1 \times 7) - 1 - 5!.$
$51839 := 9 \times 3!! \times 8 - 1^5.$
$51845 := (5+4)!/(8-1) + 5.$
$51879 := 9!/7 - 81 + 5!.$
$52079 := 9!/7 - 0! + 2 \times 5!.$
$52483 := 3^8 \times 4 \times 2 - 5.$
$52493 := (3 \times (\sqrt{9})!)^4/2 + 5.$
$52498 := 8 \times 9^4 + 2 \times 5.$

$52928 := 8!/2 + ((\sqrt{9})! + 2)^5$.
$52944 := 4! + (4! - \sqrt{9})^2 \times 5!$.
$53337 := 73 \times 3^{3!} + 5!$.
$53688 := 8 \times (8!/6 + 3!) - 5!$.
$53712 := -(2 + 1)!! + 7 \times 3!^5$.
$53713 := -3!! + 1 + 7 \times 3!^5$.
$53808 := 8 \times (0! + 8!/3! + 5)$.
$53824 := (4! - 2^8)^{(-3+5)}$.
$53848 := 8 \times (-4 + 8!/3!) + 5!$.
$53856 := 6! \times 5! - 8! + 3!^5$.
$53946 := (6 + 4! \times 9) \times 3^5$.
$54264 := \sqrt{4!^6} + (2 \times 4)! + 5!$.
$54396 := (-6! + 9! \times 3)/(4 \times 5)$.
$54397 := 7 \times ((\sqrt{9})!^{3+\sqrt{4}} - 5)$.
$54576 := (6! + 7! \times 54)/5$.
$54636 := (6!/3 - 6)^{\sqrt{4}} - 5!$.
$54688 := 8 \times (8!/6 - 4 + 5!)$.
$54742 := -2 + 4! \times (7^4 - 5!)$.
$54795 := (5 \times \sqrt{9^7} + 4!) \times 5$.
$54869 := (-9! + 6^8)/4! + 5$.
$55939 := 9!/3!! \times (-9 + 5!) - 5$.
$56087 := 78 \times (-0! + 6!) + 5$.
$56485 := (-5 + 84) \times (6! - 5)$.
$56957 := (-7 + 5!) \times 9!/6! + 5$.
$56997 := 79 \times (\sqrt{9} + 6!) - 5!$.
$57126 := (6 + 2)! - 1 + 7^5$.
$57127 := (7 + 2 - 1)! + 7^5$.
$57128 := 8! + 2 - 1 + 7^5$.
$57456 := (-6 + 5!)/\sqrt{4} \times 7!/5$.
$57465 := 5^6 \times 4 - 7! + 5$.
$57843 := 3!! - 4 + 8! + 7^5$.
$57847 := (7 - 4)!! + 8! + 7^5$.
$57849 := (\sqrt{9})!! + \sqrt{4} + 8! + 7^5$.
$58315 := (5 + 1)! \times \sqrt{3^8} - 5$.
$58329 := 9^{2+3} - (8 - 5)!!$.
$58362 := (2 + 6!) \times \sqrt{3^8} - 5!$.
$58368 := 8 \times (6! + 3^8) + 5!$.
$58459 := 9!/(5 \times 4) + 8! - 5$.
$58464 := (-4! + 6!)/4 \times 8!/5!$.
$58688 := 8 \times (-8 - 6! + 8!/5)$.
$58928 := 82 \times (\sqrt{9})!! + 8 - 5!$.
$58935 := -5! + 3! + (9!/8!)^5$.
$58959 := -9 \times (5 - \sqrt{9^8} + 5)$.
$58997 := -7 + 9 \times (\sqrt{9^8} - 5)$.
$59013 := -3!^{1+0!} + 9^5$.
$59019 := -\sqrt{9} \times 10 + 9^5$.
$59023 := -3! - 20 + 9^5$.
$59024 := -4! - 2 + 0! + 9^5$.
$59025 := -5^2 + 0! + 9^5$.
$59026 := -(6 - 2)! + 0! + 9^5$.
$59035 := -5 \times 3 + 0! + 9^5$.
$59036 := -6 - 3! - 0! + 9^5$.
$59038 := -8 - 3 + 0 + 9^5$.
$59039 := -9 - (3 \times 0)! + 9^5$.
$59043 := -3 - 4 + 0! + 9^5$.
$59045 := -5 + (4 \times 0)! + 9^5$.
$59046 := -6 + 4 - 0! + 9^5$.
$59048 := -(84 \times 0)! + 9^5$.
$59062 := 2 \times 6 + 0! + 9^5$.
$59073 := 3 \times (7 + 0!) + 9^5$.
$59074 := 4! + (7 \times 0)! + 9^5$.
$59086 := \sqrt{\sqrt{6^8}} + 0! + 9^5$.
$59098 := 8 \times (\sqrt{9})! + 0! + 9^5$.
$59129 := 9^2 - 1 + 9^5$.
$59144 := 4 \times 4! - 1 + 9^5$.
$59145 := 5! - 4! + 1 \times 9^5$.
$59159 := 9^5 - 1 - 9 + 5!$.
$59175 := 5! + 7 - 1 + 9^5$.
$59193 := 3^{9+1} + (\sqrt{9})!!/5$.
$59194 := 4! \times (\sqrt{9})! + 1 + 9^5$.
$59229 := (\sqrt{9})!!/2^2 + 9^5$.
$59263 := \sqrt{3!^6} - 2 + 9^5$.
$59275 := (5! - 7) \times 2 + 9^5$.
$59283 := 3!! \times 82 + \sqrt{9^5}$.
$59289 := (-\sqrt{9} + 8)! \times 2 + 9^5$.
$59349 := \sqrt{9!/4 - 3!!} + 9^5$.
$59375 := 5^{7-3} \times 95$.
$59385 := (5! - 8) \times 3 + 9^5$.
$59392 := (-2 + 9)^3 + 9^5$.
$59397 := (-7! + 9!)/3! - \sqrt{9^5}$.
$59409 := 90 \times 4 + 9^5$.
$59455 := (5! - 5) \times (\sqrt{4^9} + 5)$.
$59481 := 18 \times 4! + 9^5$.
$59529 := ((\sqrt{9})! - 2) \times 5! + 9^5$.
$59645 := -5! - 4 + 6! + 9^5$.
$59655 := 5 \times 5! + 6 + 9^5$.
$59683 := 3!! - 86 + 9^5$.
$59776 := 6! + \sqrt{7 \times 7} + 9^5$.
$59793 := 3!! + (\sqrt{9 + 7})! + 9^5$.
$59796 := -6! + (\sqrt{9} + 7!) \times \sqrt{(\sqrt{9})!!/5}$.
$59874 := 4! + 7!/8 \times 95$.
$59904 := -\sqrt{4^{0+9}} \times (\sqrt{9} - 5!)$.
$59945 := (5^4 + (\sqrt{9})!) \times 95$.
$59949 := (\sqrt{9})!!/4 + (\sqrt{9})!! + 9^5$.
$59968 := -\sqrt{8^6} + 9!/((\sqrt{9})!!/5!)$.
$60359 := (9! - 5 - 3!! - 0!)/6$.
$60456 := \sqrt{6!/5} \times (-\sqrt{4} + (0! + 6)!)$.
$60459 := (9! - 5! - (4 - 0!)!)/6$.
$60469 := 9!/6 - 4 - 0! - 6$.
$60495 := -5 + (9! + (4 + 0!)!)/6$.
$60595 := -5 + (9! + (5 + 0!)!)/6$.
$60992 := 2^9 + 9!/(0 + 6)$.
$61834 := (-4 + 3!!/8) \times (-1 + 6!)$.
$62504 := 4 \times (0! + \sqrt{5^{2\times 6}})$.
$63468 := 86 \times (4! - 3! + 6!)$.
$63624 := (4! + 2^6) \times (3 + 6!)$.
$63924 := ((4! - 2)^{\sqrt{9}} + 3!) \times 6$.
$63994 := (49 - 9)^3 - 6$.
$64368 := 8! + 6^{3!}/\sqrt{4} + 6!$.
$64449 := (9 - 4!)^4 + \sqrt{4!^6}$.
$64518 := 8!/15 \times 4! + 6$.
$64792 := 2^{9+7} - 4! - 6!$.
$64806 := (6! + 0! + 8!/4) \times 6$.
$64809 := 9 \times (0! + (8 + \sqrt{4}) \times 6!)$.
$64814 := (4 \times 1)^8 - \sqrt{4} - 6!$.

$64836 := (6! + 3! + 8!/4) \times 6.$
$64888 := 8! - 8 + 8^4 \times 6.$
$64896 := \sqrt{(6 + 98)^4} \times 6.$
$64986 := 6!/8 \times ((\sqrt{9})!! + \sqrt{4}) + 6.$
$65125 := 521 \times \sqrt{5^6}.$
$65284 := 4^8 - 2 \times (5! + 6).$
$65422 := 2^{(2^4)} - 5! + 6.$
$65484 := 4^8 + 4 - 56.$
$65488 := 8 \times (8 \times 4^5 - 6).$
$65528 := -8 + 2^{5+5+6}.$
$65536 := (6/3)^{5+5+6}.$
$65735 := -5^{3!} + (-7 + 5!) \times 6!.$
$66396 := -6 + 93 \times (6! - 6).$
$66399 := -\sqrt{9} + 93 \times (6! - 6).$
$66738 := 8! + 37 \times (6! - 6).$
$67195 := -5 + (9! + (1 + 7)!)/6.$
$67239 := 93 \times (\sqrt{2 + 7} + 6!).$
$67509 := 9 \times (0! + \sqrt{5^7 \times 6!}).$
$67536 := (6 + 3)!/5 - 7 \times 6!.$
$67969 := -(\sqrt{9})!! \times 69 + 7^6.$
$68579 := 97 \times (-5 - 8 + 6!).$
$68992 := (2^9 + (\sqrt{9})!!) \times 8!/6!.$
$69152 := 2^5 \times (1 + \sqrt{9} \times 6!).$
$69216 := (6! + 1^2) \times 96.$
$69312 := (2 + 1 \times 3!!) \times 96.$
$69336 := 6^3 + 3!! \times 96.$
$69399 := -9 + (\sqrt{9} + 3!!) \times 96.$
$69497 := -7 + ((\sqrt{9})!! + 4) \times 96.$
$69504 := (4 + (0! + 5)!) \times 96.$
$69693 := -3 + ((\sqrt{9})! + 6!) \times 96.$
$69694 := -\sqrt{4} + ((\sqrt{9})! + 6!) \times 96.$
$69699 := \sqrt{9} + ((\sqrt{9})! + 6!) \times 96.$
$69791 := -1 + ((\sqrt{9})!! + 7) \times 96.$
$69792 := ((2 \times \sqrt{9})! + 7) \times 96.$
$69794 := \sqrt{4} + ((\sqrt{9})!! + 7) \times 96.$
$69847 := 7! + 4^8 - 9 - 6!.$
$70585 := \sqrt{5^8} \times (5! + 0!) - 7!.$
$72559 := 9!/5 - 5 \times 2 - 7.$
$72569 := (\sqrt{9} + 6)!/\sqrt{5^2} - 7.$
$72581 := (1 + 8)!/5 - 2 + 7.$
$72583 := (\sqrt{\sqrt{3^8}})!/\sqrt{5^2} + 7.$
$72893 := (3 \times (\sqrt{9})!!/8)^2 - 7.$
$73088 := 8 \times (8^{0!+3} + 7!).$
$73236 := (6 - 3!!) \times (2 - 3!!)/7.$
$73296 := 6! + 9! \times 2/(3 + 7).$
$73597 := (7! + 9!)/5 + 3! + 7.$
$73805 := 5^{(-0!+8)} + 3!! - 7!.$
$74263 := (3 + 6! - 2)^{\sqrt{4}}/7.$
$74348 := 8! + (4 + 3!!) \times 47.$
$74366 := (6! \times (6! + 3) + \sqrt{4})/7.$
$74385 := -5!/8 \times (3^4 - 7!).$
$74455 := 5 \times ((5! + \sqrt{4})^{\sqrt{4}} + 7).$
$74464 := (4 - 6!) \times (4! - \sqrt{4^7}).$
$74468 := (-8 + (6! + \sqrt{4})^{\sqrt{4}})/7.$
$74879 := (9! - 7 + 8! \times 4)/7.$
$75243 := -3!! \times 4 - 2 + 5^7.$
$75245 := -5 \times 4!^2 + 5^7.$
$75519 := -(\sqrt{9})! + 15 \times (-5 + 7!).$
$75965 := -5! \times 6 \times \sqrt{9} + 5^7.$
$75989 := \sqrt{9} \times (8 - (\sqrt{9})!!) + 5^7.$
$77378 := -8! + 7^{3!} + 7 \times 7.$
$77405 := -(5 + 0!)! + (-\sqrt{4} + 7)^7.$
$77406 := -6! + 0! + (-\sqrt{4} + 7)^7.$
$77559 := 9!/5 - 57 + 7!.$
$77609 := 9!/(-0! + 6) + 7! - 7.$
$77946 := 6 \times (4!^{\sqrt{9}} + 7) - 7!.$
$78005 := -5! + (-0! + (\sqrt{0! + 8})!)^7.$
$78119 := -(\sqrt{9})! + (-1 + (\sqrt{1 + 8})!)^7.$
$78125 := 5^{2+\sqrt{18+7}}.$
$78132 := (2 + 3)^{(-1+8)} + 7.$
$78489 := (9 + 8)^4 + 8 - 7!.$
$78965 := 5! + 6! + (-\sqrt{9} + 8)^7.$
$78974 := \sqrt{4} \times (-7!/(\sqrt{9})! + 8! + 7).$
$79085 := 5! \times 8 + (-0! + (\sqrt{9})!)^7.$
$79128 := 8 \times 21^{\sqrt{9}} + 7!.$
$79823 := -3!! + 2 \times 8! - 97.$
$79879 := ((\sqrt{9})!^7 - 8!)/\sqrt{9} + 7.$
$79947 := (7!/4 + 9) \times 9 \times 7.$
$79983 := (3!^8/\sqrt{9} + 9)/7.$
$80297 := -7^{\sqrt{9}} + 2 \times (0 + 8!).$
$80394 := \sqrt{4} \times (-\sqrt{9} - (3! - 0!)! + 8!).$
$80582 := 2 \times 8! - 50 - 8.$
$80585 := -5 + 8! - 50 + 8!.$
$80614 := -4! + \sqrt{\sqrt{16}} \times (-0! + 8!).$
$80752 := 2 \times (57 - 0! + 8!).$
$80754 := \sqrt{4} \times (57 + (0 + 8)!).$
$80765 := \sqrt{5^6} + (7 + 0!)! + 8!.$
$81542 := 2 \times (451 + 8!).$
$82934 := 4!^3 \times (\sqrt{9})! - 2 - 8.$
$82946 := 6 \times 4!^{\sqrt{9}} + \sqrt{\sqrt{2 \times 8}}.$
$83195 := (5 \times ((\sqrt{9})! + 1))^3 + 8!.$
$83349 := 9 \times (4! - 3)^{\sqrt{\sqrt{\sqrt{3^8}}}}.$
$83523 := 3!!/2 \times 5! + 3 + 8!.$
$83526 := 6!/2 \times 5! + 3! + 8!.$
$83528 := (-8/2 + 5!) \times 3!! + 8.$
$83664 := \sqrt{4!^6} \times 6 + (\sqrt{\sqrt{\sqrt{3^8}}})!!.$
$84075 := 5 \times (7^{0!+4} + 8).$
$84092 := 290^{\sqrt{4}} - 8.$
$84864 := (-4! + 6!) \times \sqrt{8^4} + 8!.$
$85293 := 3^{(\sqrt{9})!+2} \times (5 + 8).$
$85305 := (5! + 0!) \times (3!! - 5!/8).$
$85655 := -5! + 5! \times 6! - \sqrt{5^8}.$
$85663 := -3^6 + 6! \times 5! - 8.$
$85665 := 5! \times (6! - 6) - 5!/8.$
$85673 := -3!! - 7 + 6! \times (\sqrt{\sqrt{\sqrt{5^8}}})!.$
$85695 := 5! \times ((\sqrt{9})!! - 6) + 5!/8.$
$85698 := 8! + (9! + 6!/5)/8.$
$85775 := 5! \times 7!/7 - \sqrt{5^8}.$
$85944 := 4! + (-4 + (\sqrt{9})!!) \times (\sqrt{\sqrt{\sqrt{5^8}}})!.$
$85945 := -5! \times (4 - (\sqrt{9})!!) - \sqrt{\sqrt{5^8}}.$
$85995 := (5! - \sqrt{9}) \times ((\sqrt{9})!! + 5!/8).$
$86332 := (2 + 3)! \times 3!! - 68.$

$86335 := 5! \times 3!! + 3 - 68.$
$86357 := -7 + 5! \times 3!! - \sqrt{\sqrt{6^8}}.$
$86365 := 5! \times 6! - \sqrt{3^6} - 8.$
$86436 := 6! \times (3 + \sqrt{4})! + \sqrt{\sqrt{6^8}}.$
$86515 := (5! + 1) \times \left(-5 + \left(\sqrt{\sqrt{\sqrt{6^8}}}\right)!\right).$
$86556 := 6! \times 5! + 5! + \sqrt{\sqrt{6^8}}.$
$86735 := 5! \times 3!! + \sqrt{7^6} - 8.$
$86927 := -7^2 + (\sqrt{9})!^6 + 8!.$
$87368 := 8!/6 \times (3! + 7) + 8.$
$87846 := 6 \times \sqrt{(4 - 8 - 7)^8}.$
$87976 := -6^7 + 9! + 7! - 8.$
$88416 := 6^{1+4} + 8! + 8!.$
$88826 := -6 + 2 \times (8! + \sqrt{8^8}).$
$88829 := -\sqrt{9} + 2 \times (8! + \sqrt{8^8}).$
$89253 := (-3 + 5!^2) \times 9 - 8!.$
$89264 := \sqrt{4} \times (62 \times (\sqrt{9})!! - 8).$
$90973 := 37^{\sqrt{9}} + (-0! + 9)!.$
$91125 := (5 \times (-2 + 11))^{\sqrt{9}}.$
$91245 := 5! + (4! + 21)^{\sqrt{9}}.$
$91449 := 9!/4 + (4 - 1)!! + 9.$
$91567 := (7!/6! + 5!) \times (1 + (\sqrt{9})!!).$
$91975 := -5 + (7! + 9!)/(1 + \sqrt{9}).$
$91978 := (-8 + 7! + 9!)/(1 + \sqrt{9}).$
$92096 := (6! + (\sqrt{9})!! - 0!) \times 2^{(\sqrt{9})!}.$
$92256 := (6 + 5! - 2)^2 \times (\sqrt{9})!.$
$92525 := 5!^2 + 5^{(-2+9)}.$
$92672 := 2^7 \times 6! + 2^9.$
$93352 := 2 \times (5!/3! + 3!^{(\sqrt{9})!}).$
$93366 := 6 \times (6^{3!}/3 + 9).$
$93392 := 2 \times (\sqrt{9})!^{3!} + 3!!/9.$
$93456 := 6!/5 + \sqrt{4} \times 3!^{(\sqrt{9})!}.$
$93582 := (-28 + 5^{3!}) \times (\sqrt{9})!.$
$93654 := (4 + \sqrt{5^6}) \times (3! + (\sqrt{9})!!).$
$93745 := -5 + (\sqrt{4} - 7)^{3!} \times (\sqrt{9})!.$
$93784 := ((-4! + 8!) \times 7 - 3!!)/\sqrt{9}.$
$93792 := (2^9 + 7! \times 3) \times (\sqrt{9})!.$
$93795 := (5^{(\sqrt{9})!} + 7) \times 3! + \sqrt{9}.$
$93824 := \sqrt{4} \times (2^8 + 3!^{(\sqrt{9})!}).$
$93873 := (3! + \sqrt{7^8}) \times 39.$
$93984 := (\sqrt{\sqrt{4} \times 8^9} - 3!!) \times (\sqrt{9})!.$
$94078 := (8! \times 7 - (0! + \sqrt{4})!)/\sqrt{9}.$
$94087 := 7 \times (8! - 0! + 4)/\sqrt{9}.$
$94088 := (8! \times (8 - 0!) + 4!)/\sqrt{9}.$
$94096 := (\sqrt{6! + 9} - 0!)^4 - 9!.$
$94214 := (4! - 1) \times \sqrt{2^{4!}} + (\sqrt{9})!.$
$94478 := (8! + 7) \times \sqrt{4} + 4!^{\sqrt{9}}.$
$94488 := 8! + 8! + 4! + 4!^{\sqrt{9}}.$
$94536 := 6 \times (3! + 5!)^{\sqrt{4}} - (\sqrt{9})!!.$
$94584 := \sqrt{4} \times 8! + 5! + 4!^{\sqrt{9}}.$
$94675 := -5^7 + 6!^{\sqrt{4}}/\sqrt{9}.$
$94798 := 8!/\sqrt{9} \times 7 - \sqrt{4} + (\sqrt{9})!!.$
$94935 := 5 \times (3^9 + 4! - (\sqrt{9})!!).$
$95265 := (5^6 - (2 + 5)!) \times 9.$
$95424 := 4 \times (\sqrt{2^{4!}} - 5!) \times (\sqrt{9})!.$
$95744 := 4 \times (-4^7 + (5 + \sqrt{9})!).$
$95872 := 2 \times 7 \times 8^5 - 9!.$
$96336 := 6^{3!} + 3!! \times 69.$
$96576 := 6 \times (7^5 - 6! + 9).$
$97205 := 5 \times (0! + 27 \times (\sqrt{9})!!).$
$97336 := (6 + 3 + 37)^{\sqrt{9}}.$
$97483 := -3! - 8!/\sqrt{4} + 7^{(\sqrt{9})!}.$
$97486 := -(6 + 8!)/\sqrt{4} + 7^{(\sqrt{9})!}.$
$97755 := 5 \times 57 \times 7^{\sqrt{9}}.$
$97783 := -(\sqrt{\sqrt{3^8}})! + 7^7 - 9!.$
$97848 := -8! + 4! \times (8!/7 - \sqrt{9}).$
$97971 := 17 \times (\sqrt{9} + 7! + (\sqrt{9})!!).$
$98425 := 5 \times (2 + (4!/8)^9).$
$98643 := 3^4 \times 6! + 8! + \sqrt{9}.$
$98649 := \sqrt{9^4} \times 6! + 8! + 9.$
$99135 := 5 \times (3 \times 1)^9 + (\sqrt{9})!!.$
$99384 := (4^8 + 3!!) \times 9/(\sqrt{9})!.$
$99597 := (-7! - 9^5 + 9!)/\sqrt{9}.$
$99744 := \sqrt{4} \times (4^7 \times \sqrt{9} + (\sqrt{9})!!).$

Acknowledgement

The author is thankful to T.J. Eckman, Georgia, USA (email: jeek@jeek.net) in programming the script to develop these representations.

References

[1] ABRAHAMS, M, Lots of numbers, plain and almost simple, IMPROBABLE RESEACH, http://www.improbable.com/2013/02/12/lots-of-numbers-plain-and-almost-simple.

[2] ABRAHAMS, M, Lots more numbers, deemed "crazy consecutive", IMPROBABLE RESEACH, http://www.improbable.com/2013/06/08/lots-more-numbers-deemed-crazy-consecutive.

[3] DARLING, D., The World of David Darling, Types of Numbers, ENCYCLOPEDIA OF SCIENCE, *http://www.daviddarling.info/encyclopedia/N/numbers-types.html*

[4] DUDENEY, H.E., Amusements in Mathematics, EBD E-Books Directory.com, 1917.

[5] FREIDMAN, E., Problems of the Month (August 2000), http://www2.stetson.edu/ efriedma/mathmagic/0800.html

[6] FREIDMAN, E., Problems of the Month (April 2012), http://www2.stetson.edu/ efriedma/mathmagic/0412.html

[7] HARDY, G.H., A Mathematician's Apology. New York: Cambridge University Press, p. 105, 1993 - orignal edition 1940.

[8] HEINZ, H. "Narcissistic Numbers."*http://www.magic-squares.net/narciss.htm.*

[9] MADACHY, J.S., Mathematics on Vacations, Charlers Scriber's Son, New York, 1966.

[10] NEBUS, J., Counting To 52, nebusresearch, *http://nebusresearch.wordpress.com/2013/02/17/counting-to-52/.*

[11] NEBUS, J., Counting From 52 to 11,108, nebusresearch, *http://nebusresearch.wordpress.com/2013/06/10/counting-from-52-to-11108/*.

[12] ROSE, C., "Radical Narcissistic numbers", J. Recreational Mathematics, vol. 33, (2004-2005), pp. 250-254.

[13] ROSE, C., "Pretty Wild Narcissistic numbers", "The On-Line Encyclopedia of Integer Sequences.", founded by N.J.A. Slone, https://oeis.org/A193069, August 08, 2011.

[14] ROSE, C., "Pretty Wild Narcissistic numbers",http://www.tri.org.au/numQ/pwn/.

[15] SLONE, N.J.A., Sequences A005188/M0488, A003321/M5403, A010344, A010346, A010348, A010350, A010353, A010354, A014576, A023052, A032799, A046074, A101337, and A114904 in "The On-Line Encyclopedia of Integer Sequences.", https://oeis.org/.

[16] WEISSTEIN, E.W., "Narcissistic Number." From MathWorld–A Wolfram Web Resource. http://mathworld.wolfram.com/NarcissisticNumber.html.

[17] TANEJA, I.J., Crazy Sequential Representation: Numbers from 0 to 11111 in terms of Increasing and Decreasing Orders of 1 to 9, *http://arxiv.org/abs/1302.1479*.

[18] TANEJA, I.J., Selfie Numbers: Consecutive Representations in Increasing and Decreasing Orders, RGMIA Research Report Collection, **17**(2014), Article 140, pp. 1-57. *http://rgmia.org/papers/v17/v17a140.pdf*, 2014.

[19] TANEJA, I.J., Single Digit Representations of Natural Numbers, *http://arxiv.org/abs/1502.03501*. Also in RGMIA Research Report Collection, **18**(2015), Article 15, pp. 1-55. *http://rgmia.org/papers/v18/v18a15.pdf*.

[20] TANEJA, I.J., Running Expressions in Increasing and Decreasing Orders of Natural Numbers Separated by Equality Signs, RGMIA Research Report Collection, **18**(2015), Article 27, pp. 1-54. *http://rgmia.org/papers/v18/v18a27.pdf*, 2015.