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Running Expressions with Equalities: Increasing and Decreasing Orders - I

Inder J. Taneja¹

Abstract

In previous work [12], running inequalities are written in terms of 1 to 9 and 9 to 1 or 9 to 0 separated by single or double equality signs. Each digit is used with basic operations, along with **factorial** and **square-root**. These types of equalities, we called as **running expressions**. We have again reorganized the same work in such a way that increasing decreasing cases are written together. This part contains the the results from 0 to 999. For 4 digits onwards the results are given in second part.

I N D E X

The work is divided in following sections and subsections:

- 1 Introduction;
- 1.1 Crazy Representations of Natural Numbers;
- 1.2 Flexible Power Representations;
- 1.3 Pyramidal-Type Representations;
- 1.4 Single Digit Representations;
- 1.5 Single Letter Representations;
- 1.6 Running Expressions;
- 2 Double Equalities Running Expressions;
- 3 Single Equality Running Expressions;
- 3.1 Increasing and Decreasing Orders.

1 Introduction

Before starting the work, below are some representations of numbers in different situations done by author [18, 19]. The work is for 9 digits from 1 to 9 in increasing case and 9 or 10 digits, i.e., from 9 to 1 or 9 to 0 in the decreasing case. In some cases, the results are symmetric and are uses all the 10 digits, i.e., from 0 to 9. In this cases exponents are of same digits of bases but with different permutations.

¹Formerly, Professor of Mathematics, Universidade Federal de Santa Catarina, 88.040-900 Florianópolis, SC, Brazil.
E-mail: ijaneja@gmail.com; Web-site: inderjtaneja.wordpress.com

1.1 Crazy Representations of Natural Numbers

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

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

For comments on this work see [1, 2, 7, 8].

1.2 Flexible Power Representations

Instead working with increasing and decreasing cases separated, here we worked in such a way that the results are always symmetric. This we have done using all the 10 digits, i.e., from 0 to 9. The results obtained are symmetric, i.e., writing in 0 to 9 or 9 to 0, the resulting number is same. The idea used is in such a way that numbers are written in 0 to 9 with permutations of powers also used the same digits i.e., 0 to 9. See below some examples,

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

For complete representations of numbers from 0 to 11111 refer to author's work [17]:

1.3 Pyramidal-Type Representations

Following of the same idea of subsection 1.2, below are numbers with pyramid-type representations:

$$\begin{aligned}
 \bullet 22 &= 0^1 - 1^0 - 2^2 + 3^3 \\
 &= 0^2 + 1^3 + 2^4 + 3^0 + 4^1 \\
 &= 0^4 - 1^5 + 2^3 + 3^2 + 4^0 + 5^1 \\
 &= 0^2 + 1^6 + 2^5 - 3^4 + 4^3 + 5^1 + 6^0 \\
 &= 0^5 + 1^7 - 2^6 - 3^4 + 4^1 + 5^3 + 6^2 + 7^0 \\
 &= 0^1 + 1^4 + 2^8 + 3^5 - 4^7 + 5^6 + 6^3 + 7^0 + 8^2 \\
 &= 0^6 - 1^9 + 2^8 - 3^7 + 4^5 + 5^4 + 6^3 + 7^1 + 8^0 + 9^2.
 \end{aligned}$$

$$\begin{aligned}
 \bullet 1089 &= 0^1 + 1^0 + 2^3 + 3^4 + 4^5 - 5^2 \\
 &= 0^4 - 1^6 + 2^1 + 3^3 + 4^5 + 5^0 + 6^2 \\
 &= 0^2 + 1^6 - 2^7 + 3^5 + 4^1 + 5^4 + 6^0 + 7^3 \\
 &= 0^0 - 1^7 + 2^4 - 3^8 + 4^6 + 5^5 + 6^1 + 7^3 + 8^2 \\
 &= 0^6 - 1^9 + 2^7 - 3^8 + 4^1 + 5^5 + 6^3 + 7^0 + 8^4 + 9^2.
 \end{aligned}$$

$$\begin{aligned}
 \bullet 1179 &= 0^1 + 1^0 + 2^5 + 3^6 + 4^4 + 5^3 + 6^2 \\
 &= 0^2 + 1^6 + 2^4 - 3^7 + 4^0 + 5^5 + 6^3 + 7^1 \\
 &= 0^6 + 1^7 - 2^8 + 3^5 + 4^1 + 5^4 + 6^0 + 7^2 + 8^3 \\
 &= 0^6 + 1^9 - 2^8 - 3^7 + 4^5 + 5^3 + 6^1 + 7^4 + 8^2 + 9^0.
 \end{aligned}$$

The digits appearing in bases and exponents are same in each case. For complete representations of natural numbers from 0 to 1500 refer to [15, 16]:

1.4 Single Digit Representations

In subsection 1.1, all the nine digits are used to write natural numbers. Here the work is done writing numbers for each digit separately. See examples below:

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

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

Values are calculated up to 1.000.000, but the work is written only from 0 to 1000. For details, refer to [10]:

1.5 Single Letter Representations

We observe that the numbers written in previous subsection 1.4 are not in a symmetrical way. But there are numbers, that can be written in a symmetric way. Motivated by this idea, instead working for each digit separately, we can work with a **single letter "a"**. See examples below:

$$\begin{array}{ll}
 5 := (aa - a) / (a + a). & 1089 := (aaaa - aa - aa) / a. \\
 6 := (aa + a) / (a + a). & 1991 := (aaaaaa / aaa \times (a + a) - aa) / a. \\
 55 := (aaa - a) / (a + a). & 2020 := (aaaaa - a) / aa \times (a + a) / a. \\
 56 := (aaa + a) / (a + a). & 2035 := (aaaa - a) / (a + a + a) \times aa / (a + a). \\
 561 := (aaaa + aa) / (a + a). & 4477 := (aaa / (a + a + a) \times aa \times aa) / (a \times a). \\
 666 := aaa \times (aa + a) / ((a + a) \times a). & 4999 := (aaaaa - aaaa - a - a) / (a + a). \\
 925 := (aaaaa - aa) / (aa + a). & 5000 := (aaaaa - aaaa) / (a + a).
 \end{array}$$

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

For full work, refer to [11, 13]. The first reference is up to 3000 [11] numbers, while second reference extend it to 5000 [13] numbers.

For study on numbers in different situations refer to [3, 4, 5, 6]. Summary of above work can be seen in [18, 19].

1.6 Running Expressions

Previous section 1 give idea how we can write natural numbers in different situations using 9 or 10 digits. In this section also we shall do similar kind of work, but in little different way. It is based on the idea of subsection 1.1. We divide the numbers in equal parts, two or three in such a way that the results are increasing and decreasing order of 9 or 10 digits, for example we can write,

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

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

• Increasing Order

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

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

... (1)

- **Decreasing Order**

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

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

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

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

... (2)

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

- $16 := 12/3 \times 4 = 5 + 6 + (7 + 8)/\sqrt{9}$
 $:= (9 + 87)/6 = 5 + 4 + 3 \times 2 + 1.$
- $18 = 12 + 3! = \sqrt{4 + 5} \times 6 = 7 + 8 + \sqrt{9}$
 $= \sqrt{9} + 8 + 7 = \sqrt{6 \times 54} = -3 + 21 = 3! + 2 + 10.$
- $120 := (1 \times 2 + 3)! = 4 \times 5 \times 6 = ((7 + 8)/\sqrt{9})!$
 $:= ((\sqrt{9})! - 8 + 7)! = 6 \times 5 \times 4 = (3 \times 2 - 1)! = 3! \times 2 \times 10$

... (3)

The examples given in (3) divides the numbers in two and three parts respectively with equality signs using the numbers in increasing as well as decreasing orders. We observe that the operations used are **addition, subtraction, multiplication, division, potentiation, factorial** and **square-root**. This work is a revision of of previous work [12]. This work is divided in two parts. First part give the numbers up to 3 digits. 4, 5 and 6 digits results are given in section part [20]. Increasing and decreasing orders are put together. **Factorial** and **square-root** are used along with basic operations. In continuation, the work is extended with use of **Fibonacci sequence** values. For details see [21, 22].

2 Double Equalities Running Expressions

In this section, we shall give equalities among the expressions divided em three parts as

$$[1, 2, 3] = [4, 5, 6] = [7, 8, 9]$$

in the increasing case, and

$$[9, 8, 7] = [6, 5, 4] = [3, 2, 1] \text{ or } [3, 2, 1, 0].$$

in the decreasing case. Below are the some possible numbers.

•1

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

•2

$$\begin{aligned} : 12/3! &= \sqrt{4} \times (-5 + 6) = 7 - 8 + \sqrt{9} \\ : \sqrt{9} - 8 + 7 &= 6/\sqrt{5+4} = 3 - 2 + 1 \\ &= 3 - (21 \times 0)! \end{aligned}$$

•3

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

•4

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

•5

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

•6

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

•7

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

•8

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

•9

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

•10

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

$$\begin{aligned} \bullet 11: \sqrt{9} + 8!/7! &= 6 + \sqrt{\sqrt{5^4}} &= 3! \times 2 - 1 \\ &= 3 - 2 + 10 \end{aligned}$$

•12

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

•13

$$\begin{aligned} : 1 + 2 \times 3! &= \sqrt{4} + 5 + 6 = 78/(\sqrt{9})! \\ : (\sqrt{9!/8!})! + 7 &= 6 + 5 + \sqrt{4} = 3! \times 2 + 1 \\ &= 3!/2 + 10 \end{aligned}$$

•14

$$: 98/7 = -6 + 5 \times 4 = 3! - 2 + 10$$

•16

$$: 9!/8! + 7 = 6 + 5 \times \sqrt{4} = 3 \times 2 + 10$$

•18

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

•24

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

•31

$$: \sqrt{9} \times 8 + 7 = 6 + \sqrt{5^4} = 32 - 1$$

•35

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

•42

$$: (\sqrt{9!/8!})! \times 7 = 6 \times (5 + \sqrt{4}) = 32 + 10$$

•48

$$: (\sqrt{9})!!/(8+7) = -6 + 54 = 3! \times (-2 + 10)$$

• 63

$$: 9! / (8! / 7) = 65 - \sqrt{4} = 3 \times 21$$

• 64

$$: (9! - 8!) / 7! = \sqrt{6! \times 5} + 4 = 32 \times (1 + 0!)$$

• 72

$$: 12 \times 3! = \sqrt{4! + 5!} \times 6 = 78 - (\sqrt{9})!$$

$$: 9 \times 8! / 7! = 6! / (5 \times \sqrt{4}) = 3! \times (2 + 10)$$

• 80

$$: (9! + 8!) / 7! = 6! / (5 + 4) = (3! + 2) \times 10$$

• 90

$$: \sqrt{9} + 87 = -6 + 5! - 4! = 3^2 \times 10$$

• 120

$$: (1 \times 2 + 3)! = 4 \times 5 \times 6 = ((7 + 8) / \sqrt{9})!$$

$$: ((\sqrt{9})! - 8 + 7)! = 6 \times 5 \times 4 = (3 \times 2 - 1)! \\ = 3! \times 2 \times 10$$

• 240

$$: \sqrt{(9! + 8!) / 7} = 6! - 5! \times 4 = 3!! / (2 + 1)$$

• 719

$$: -1 + (2 \times 3)! = 4 - 5 + 6! = 7 - 8 + (\sqrt{9})!!$$

$$: (\sqrt{9})!! - 8 + 7 = 6! - 5 + 4 = (3 \times 2)! - 1$$

• 720

$$: (\sqrt{12 \times 3})! = 4! \times 5 \times 6 = (-9 + 8 + 7)!$$

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

• 721

$$: 1 + (2 \times 3)! = -4 + 5 + 6! = -7 + 8 + (\sqrt{9})!!$$

$$: (\sqrt{9})!! + 8 - 7 = 6! + 5 - 4 = (3 \times 2)! + 1$$

• 727

$$: (\sqrt{9! / 8!})!! + 7 = 6! + 5 + \sqrt{4} = 3!! + (2 + 1)! + 0!$$

• 840

$$: (-\sqrt{9} + 8)! \times 7 = 6! + 5 \times 4! = 3!! + ((2 + 1)! - 0)!)$$

• 4320

$$: -(\sqrt{9! / 8!})!! + 7! = 6 \times (\sqrt{5 + 4})!! = 3!! \times (2 + 1)!$$

• 5040

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

• 5046

$$: (\sqrt{9!/8!})! + 7! = 6 + (5 + \sqrt{4})! = 3! + ((2 + 1)! + 0)!$$

• 5760

$$: (\sqrt{9})!! \times 8!/7! = 6! + (5 + \sqrt{4})! = 3!! \times (-2 + 10)$$

• 15120

$$: \sqrt{9!/8!} \times 7! = 6! + 5!\sqrt{4} = 3!! \times 21$$

• 17280

$$: \sqrt{9} \times 8!/7 = 6 \times 5! \times 4! = 3!! \times (2 + 1 + 0)!$$

• 30240

$$: \sqrt{9!/8!!} \times 7! = 6 \times (5 + \sqrt{4})! = 3! \times ((2 + 1)! + 0)!$$

• 40320

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

• 279936

$$: (\sqrt{9!/8!!})^7 = 6^{5+\sqrt{4}} = 3!^{(2+1)!+0!}$$

• 362880

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

3 Single Equality Running Expressions

In the previous section 2, we gave running expressions with double equalities in increasing and decreasing orders together. Unfortunately, there are only few examples. Below are examples of single equality running expressions. The results for increasing and decreasing orders are together. The examples are only up to 999. Further order, i.e., for higher digits, i.e., for 4, 5, 6 digits etc. are given in [20].

3.1 Increasing and Decreasing Orders

•0

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

•1

$$\begin{aligned} : 1^2 &= (-3 + 4)^{56789} \\ : 1^{23} &= (-4 + 5)^{6789} \\ : 1^{234} &= (-5 + 6)^{789} \\ : 1^{2345} &= (-6 + 7)^{89} \\ : 1^{23456} &= (-7 + 8)^9 \end{aligned}$$

•1

$$\begin{aligned} : (9 - 8)^7 &= (6 - 5)^{4321} \\ : (9 - 8)^{76} &= (5 - 4)^{321} \\ : (9 - 8)^{765} &= (4 - 3)^{21} \\ : (9 - 8)^7 &= (654321 \times 0)! \\ : (9 - 8)^{76} &= (54321 \times 0)! \\ : (9 - 8)^{765} &= (4 - 3)^{210} \\ : (9 - 8)^{7654} &= (3 - 2)^{10} \end{aligned}$$

•2

$$\begin{aligned} : 1^{23} - 4 + 5 &= 6 + 7 - 8 - \sqrt{9} \\ : 1^{234} - 5 + 6 &= 7 - 8 + \sqrt{9} \\ : 12/3! &= 45 - 6 \times 7 + 8 - 9 \\ : \sqrt{9} - 8 + 7 &= (6 - 5)^{432} + 1 \\ : \sqrt{9} - 8 + 7 &= 6 \times 5 - 4 - 3 - 21 \end{aligned}$$

•3

$$\begin{aligned} : 1 \times 2 - 3 + 4 &= 56 - 7 \times 8 + \sqrt{9} \\ : 1 + 2 &= 3 + 4 \times (56/7 - 8) \times 9 \\ : \sqrt{12 - 3} &= 4 - (5 + 67)/(8 \times 9) \\ : \sqrt{9 \times (8 - 7)} &= 6 \times 54 - 321 \\ : \sqrt{9 \times (8 - 7)} &= 6 + 5 \times 4 - 3 - 2 \times 10 \end{aligned}$$

•4

$$\begin{aligned} : 1^{23} \times 4 &= 5 - (-6 + 7)^{89} \\ : (9 + 8 + 7)/6 &= 5 - (4 - 3)^{21} \\ : (9 + 8 + 7)/6 &= 54 - (3 + 2) \times 10 \\ : (9 - 8)^{765} \times 4 &= \sqrt{3 \times 2 + 10} \\ : (98/7 + 6)/5 &= 4 + 321 \times 0 \\ : (98/7 + 6)/5 &= 4 + 3 - 2 - 1 \end{aligned}$$

•5

$$\begin{aligned} : 1 \times 2 + 3 &= (45 + 67)/8 - 9 \\ : 1^{23} + 4 &= 5 + 6 - 7 - 8 + 9 \\ : 1^{234} \times 5 &= 6 - (-7 + 8)^9 \\ : -1^{2345} + 6 &= (7 + 8)/\sqrt{9} \\ : (9 - 8)^{76} \times 5 &= 4 + 3 - 2 \times 1 \\ : (9 - 8)^{765} + 4 &= 3 \times 2 - 1 \\ : (\sqrt{9})! - 8 + 7 &= 6 - (5 - 4)^{321} \\ : (9 - 8)^{76} \times 5 &= 4 - 3^2 + 10 \\ : (\sqrt{9})! - 8 + 7 &= 6 - (54321 \times 0)! \end{aligned}$$

•6

$$\begin{aligned} : \sqrt{12 \times 3} &= (45 - 6 + 7 + 8)/9 \\ : \sqrt{12 \times 3} &= 4 + 5 + 6 + (7 - 8) \times 9 \\ : 1^{234} + 5 &= 6 \times (-7 + 8)^9 \\ : 1^{2345} \times 6 &= 7 + 8 - 9 \\ : (9 - 8) \times 7 - 6 + 5 &= 4 + 3 - (21 \times 0)! \\ : (9 - 8)^7 \times 6 &= 5 + (4 - 3)^{21} \\ : (9 - 8)^7 \times 6 &= 54/3 - 2 - 10 \\ : (9 - 8)^{76} + 5 &= 4! + 3 - 21 \\ : (9 - 8)^{76} + 5 &= 4 + 3 - 2 + 1 \\ : -9 + 8 + 7 &= 6 \times (5 - 4)^{321} \\ : -9 + 8 + 7 &= 6 \times (5 - 4) + 321 \times 0 \\ : -9 + 8 + 7 &= 6 + 54321 \times 0 \\ : 98 + (7 - 6 \times 5) \times 4 &= 3 \times 2 \times 1 \end{aligned}$$

•7

$$\begin{aligned} : \sqrt{12/3 + 45} &= 6 + (-7 + 8)^9 \\ : 1^{2345} + 6 &= 7 \times (-8 + 9) \\ : 1 + \sqrt{2 + 34} &= 56/7 + 8 - 9 \\ : (9 - 8) \times 7 &= 6 + (5 - 4)^{321} \\ : (9 - 8) \times 7 &= 6 + (54321 \times 0)! \\ : (9 - 8)^7 + 6 &= 5 + 4! - 32 + 10 \\ : (9 - 8)^7 + 6 &= 5 + 4 - 3 + 2 - 1 \\ : (9 - 8)^7 + 6 &= 54/3^2 + 1 \\ : (98 + 7)/(6 + 5 + 4) &= 3 \times 2 + 1 \\ : 9 \times 8 - (7 + 6) \times 5 &= \sqrt{4 + 32} + 1 \end{aligned}$$

•8

$$\begin{aligned}
 : 1 \times 2^3 &= (4 - 5) \times (6 - 78) / 9 \\
 : 12/3 + 4 &= 56/7 \times (-8 + 9) \\
 : 12 - 34 + 5 \times 6 &= 7 - 8 + 9 \\
 : 9 - (8 - 7)^{65} &= \sqrt{43 + 21} \\
 : 98/7 - 6 \times (5 - 4) &= 3^2 - 1 \\
 : 98/7 - 6 &= 54/(3 \times 2) - 1 \\
 : 9 - 8 + 7 &= 6 \times 5 - 43 + 21 \\
 : 9 - 8 + 7 &= 6 + (54/3 + 2)/10 \\
 : 9 - 8 + 7 &= 6 + 5 \times 4 + 3 - 21 \\
 : 9 - 8 + 7 &= 654/3 - 210
 \end{aligned}$$

•9

$$\begin{aligned}
 : 1 \times 23 - 4 \times 5 + 6 &= \sqrt{78 + \sqrt{9}} \\
 : -12 \times 3 + 45 &= (-6 + 7)^8 \times 9 \\
 : 9 \times (8 - 7)^6 &= 5 + 4 + 321 \times 0 \\
 : 9 \times (8 - 7)^6 &= 54/(3 \times 2) \times 1 \\
 : 9 \times (8 - 7)^{65} &= 4 + 3 + 2 \times 1 \\
 : 9 \times (8 - 7)^{65} &= 4 - 3 - 2 + 10 \\
 : 9 \times (8 - 7) &= 65 - (4 + 3) \times (-2 + 10) \\
 : 9 \times (8 - 7) &= 6 - 54/3 + 21
 \end{aligned}$$

•10

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

•11

$$\begin{aligned}
 : 1^2 \times (34 - 5 \times 6) + 7 &= 8 + \sqrt{9} \\
 : -1 + 2 \times 3! &= \sqrt{45 - 6 - 7 + 89} \\
 : 9 - 87 + 65 + 4! &= 3 - 2 + 10 \\
 : \sqrt{9} + 8!/7! &= (65 - 43)/2 \times 1 \\
 : \sqrt{9} + 8 \times (7 - 6) &= (5 \times 4 - 3^2) \times 1 \\
 : \sqrt{9} + 8 &= 7 + 6 \times 54 - 32 \times 10 \\
 : \sqrt{9} + 8 &= 7 + 6 - 5 \times 4 - 3 + 21
 \end{aligned}$$

•12

$$\begin{aligned}
 : 12 &= (3 - 4 + 5) \times (6 \times (7 - 8) + 9) \\
 : 12 &= (34 - 5 \times 6) \times \left(\sqrt{\sqrt{78 + \sqrt{9}}} \right) \\
 : 12 &= 3 \times (4 + (5 + 67)/8 - 9) \\
 : 12 &= 3 \times (4 + 5 + 67 - 8 \times 9) \\
 : 12 &= 3 + (-4 + 5)^{678} \times 9 \\
 : 12 &= 3 + 4 + (5 \times 6 + 7 + 8) / 9
 \end{aligned}$$

•12

$$\begin{aligned}
 : 1 \times 2 \times 3! &= \sqrt{4} + 5 - 67 + 8 \times 9 \\
 : (9 - 8) \times 7 + 6 - 5 + 4 &= (3 + 2)! / 10 \\
 : (9 - 8)^7 + 6 + 5 &= 4 \times (3 + 21 \times 0) \\
 : (9 - 8)^7 + 6 + 5 &= 4 \times 3 \times (2 - 1) \\
 : -\sqrt{9} + 8 + 7 &= (6 + (54 + 3) \times 2) / 10 \\
 : -\sqrt{9} + 8 + 7 &= (65 - 43) / 2 + 1
 \end{aligned}$$

•13

$$\begin{aligned}
 : 1 + 2 \times 3! &= (45 - 6 + 78) / 9 \\
 : 12/3 + 4 + 5 &= 6 - 7 \times (8 - 9) \\
 : (9 - 8) \times 7 + 6 &= 5 + \sqrt{43 + 21} \\
 : \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right)! + 7 &= (6 - 5)^{43} + 2 + 10 \\
 : 98/7 - 6 + 5 &= 4 + 3^2 \times 1
 \end{aligned}$$

•14

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

•15

$$\begin{aligned} : 1 + 2 + 3 \times 4 &= 5 \times (6 \times (7 - 8) + 9) \\ : 12 + 3 &= 4 + \sqrt{5 \times 6 \times 7 - 89} \\ : 12 + 3 &= \sqrt{4} - 56 + 78 - 9 \\ : 12 - 3 \times (4 - 5) &= 6 - (7 - 8) \times 9 \\ : (\sqrt{9} + 87)/6 &= 5 \times (4 + 3) - 2 \times 10 \\ : (\sqrt{9} + 87)/6 &= 54/3 - 2 - 1 \end{aligned}$$

•16

$$\begin{aligned} : 12/3 \times 4 &= 5 \times (6 + 7 - 8) - 9 \\ : 12/3 \times 4 &= 5 + 6 + (7 + 8)/\sqrt{9} \\ : 12 + 3 - 4 + 5 &= 6 - 7 + 8 + 9 \\ : (9 \times (8 - 7) - 6 - 5)^4 &= 3 \times 2 + 10 \\ : (9 + 87)/6 &= (5 + 43)/(2 + 1) \\ : (9 + 87)/6 &= 5 + 4 + 3 \times 2 + 1 \\ : (9 + 87)/6 &= 5 + 43 - \sqrt{2^{10}} \\ : (9 + 87)/6 &= 54/3 - 2 \times 1 \\ : -98/7 + 6 \times 5 &= 4^{3-2+1} \\ : -98/7 + 6 \times 5 &= \sqrt{4 + 32} + 10 \\ : \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 7 &= 65 - 43 - (2 + 1)! \end{aligned}$$

•17

$$\begin{aligned} : 1 \times 2 + 3 + 4 - 5 + 6 + 7 &= 8 + 9 \\ : -1^{234} + 5 + 6 + 7 &= 8 + 9 \\ : 9 + 8 \times (7 - 6) &= (54 - 3)/(2 + 1) \\ : 9 + 8 \times (7 - 6) &= 54/3! - 2 + 10 \\ : 9 + 8 &= 7 + (65 - 43)/2 - 1 \\ : 9 + 8 &= 7 + 65 - 43 - 2 - 10 \end{aligned}$$

•18

$$\begin{aligned} : 12 + 3! &= (\sqrt{4 \times 56 - 7} - 8) \times \sqrt{9} \\ : 12 - 3 + 4 + 5 &= 6! - 78 \times 9 \\ : (9 + 87 - 6)/5 &= \sqrt{4} \times 3 \times (2 + 1) \\ : (9 + 87 - 6)/5 &= \sqrt{4 + 32} \times 10 \\ : \sqrt{9} + 8 + 7 &= (65 + 43)/(2 + 1)! \\ : \sqrt{9} + 8 + 7 &= 6^5/432 \times 1 \\ : \sqrt{9} + 8 + 7 &= 6 + 54/3! + 2 + 1 \\ : \sqrt{9} + 8 + 7 &= 6 + 54 - 32 - 10 \\ : 9 - 8 \times 7 + 65 &= 4 + 3! - 2 + 10 \end{aligned}$$

•19

$$\begin{aligned} : 9 - 8 + 7 + 6 + 5 &= 4 - 3! + 21 \\ : \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right)! + 7 + 6 &= 54/(3 \times 2) + 10 \\ : \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right)! + 7 + 6 &= 5 - 4 - 3 + 21 \\ : 98 - 76 - 5 + \sqrt{4} &= 3^2 + 10 \\ : 9 - 8 + 7 + 6 + 5 &= 4 + 3 + 2 + 10 \end{aligned}$$

•20

$$\begin{aligned} : 9 + 8 + (7 + 65)/4! &= \sqrt{3! - 2} \times 10 \\ : -9 + 87 - 65 + 4 + 3 &= 2 \times 10 \\ : 98/7 + 6 &= (5 - 4 + 3 - 2) \times 10 \\ : 98/7 + 6 &= 5 + (4 + 3) \times 2 + 1 \\ : 98/7 + 6 &= 5 + 4 + 3 - 2 + 10 \\ : 98/7 + 6 &= 54/3 + 2 \times 1 \end{aligned}$$

•21

$$\begin{aligned} : (1 + 2) \times (3 + 4) &= \sqrt{56 \times 7/8 \times 9} \\ : -1 - 23 + 45 &= (6 - 7 + 8) \times \sqrt{9} \\ : (\sqrt{9})! + 8 + 7 &= 65 - 43 - 2 + 1 \\ : \sqrt{9} \times (8 - 7 + 6) &= 54 - 32 - 1 \\ : 98 - 7 \times (6 + 5) &= (4 - 3) \times 21 \\ : (\sqrt{9})! + 8 + 7 &= \sqrt{654 - 3 - 210} \\ : 98 - 76 - 5 + 4 &= 3 \times ((2 + 1)! + 0!) \end{aligned}$$

•22

$$\begin{aligned} : -1 + 23 &= 4 + (5 + 67)/8 + 9 \\ : -12 + 34 &= 5 \times 6 - 7 + 8 - 9 \\ : -12 + 34 &= 5 + (-6 + 7) \times (8 + 9) \\ : 9 + 8 \times (7 - 6) + 5 &= 43 - 21 \\ : \sqrt{9} + 8!/7! + 6 + 5 &= 43 - 21 \\ : (9 - 8) \times 7 + 6 + 5 + 4 &= 32 - 10 \end{aligned}$$

●23

$$\begin{aligned}
 : 1 \times 23 &= 45 + 67 - 89 \\
 : 1 \times 23 &= 4 - 56 + 78 - \sqrt{9} \\
 : -1 + 23 - 4 + 5 &= 6 - 7 + 8 \times \sqrt{9} \\
 : 1 - 23 + 45 &= 6 - 7 + 8 \times \sqrt{9} \\
 : 9 + \sqrt{87 - 6} + 5 &= 4 \times 3 \times 2 - 1 \\
 : \sqrt{9} \times 8 - 7 + 6 &= 54 - 32 + 1 \\
 : 9 + \sqrt{87 - 6} + 5 &= 43 - 2 \times 10 \\
 : \sqrt{9} \times 8 - 7 + 6 &= 5 - 4 + 32 - 10
 \end{aligned}$$

●24

$$\begin{aligned}
 : 1 \times 2 - 34 + 56 &= 7 + 8 + 9 \\
 : 1 + 23 &= 4 \times (5 + (-6 + 7)^{89}) \\
 : 1 + 23 &= 4 \times 5 \times 6 - 7 - 89 \\
 : 1 + 23 &= 4 + 5 + 6 - (7 - 8) \times 9 \\
 : 1 + 23 &= \sqrt{4} \times (5 \times 6 + 78) / 9 \\
 : 12/3 + 4 \times 5 &= 6 + 7 + 8 + \sqrt{9} \\
 : 12 + 3 \times 4 &= 5 + 6 + 78 / (\sqrt{9})! \\
 : 12 + 3 + 4 + 5 &= \sqrt{6 \times 7 + 89}
 \end{aligned}$$

●24

$$\begin{aligned}
 : (9 - 8)^{765} \times 4! &= 3 + 21 \\
 : 9 + 8 + 7 \times (6 - 5) &= 4 \times 3 \times 2 \times 1 \\
 : 9 + 8 + 7 &= 6 + 54/3 \times (2 - 1) \\
 : \sqrt{9} \times 8 &= 7 + 6^5 / 432 - 1 \\
 : 9 + 8 + 7 &= 65 - 43 + 2 \times 1 \\
 : \sqrt{(9 + 87) \times 6} &= (5 + 4) / 3 + 21 \\
 : 9 + 8 + 7 &= 6 + 5 \times (4 + 32) / 10 \\
 : 9 + 8 + 7 &= 654 - 3 \times 210 \\
 : 9 + 8 + 7 \times (6 - 5) &= (4 + 3)! / 210 \\
 : \sqrt{(9 + 87) \times 6} &= 5! - 43 \times 2 - 10 \\
 : \sqrt{9} \times 8 &= 7 + 6 + 5 - 4 \times (3 - 2) + 10
 \end{aligned}$$

●25

$$\begin{aligned}
 : 1 + 23 - 4 + 5 &= 6 \times 7 - 8 - 9 \\
 : 1 \times 23 + \sqrt{4} &= 56/7 + 8 + 9 \\
 : 1 + (-2 + 3!)! &= \sqrt{4} \times 56 - 78 - 9 \\
 : (9 + 87) / 6 + 5 + 4 &= 3 + 21 + 0!
 \end{aligned}$$

●26

$$\begin{aligned}
 : 1^{23} \times 4 \times 5 + 6 &= 78 / \sqrt{9} \\
 : 1 \times 23 + \sqrt{4 + 5} &= (6 + 7) \times (8 - (\sqrt{9})!) \\
 : (-\sqrt{9})! + 8 \times (7 + 6) &= 5 \times (4 - 3) + 21 \\
 : (9 - 8)^7 \times (6 \times 5 - 4) &= 3! + 2 \times 10 \\
 : (-\sqrt{9})! + 8 \times (7 + 6) &= 54/3 - 2 + 10
 \end{aligned}$$

●27

$$\begin{aligned}
 : (1 + 2)^3 &= 4 + 5 - 6 + 7 + 8 + 9 \\
 : (1 + 2)^3 &= 45 - 6! + 78 \times 9 \\
 : 1 \times 23 + 4 &= 5 - 67 + 89 \\
 : \sqrt{9 \times (87 - 6)} &= 5 + 43 - 21 \\
 : 98 - 76 + 5 &= 4 + 3 + 2 \times 10 \\
 : \sqrt{9 \times (87 - 6)} &= 54 \times (3 + 2) / 10
 \end{aligned}$$

●28

$$\begin{aligned}
 : 1 + 23 + 4 &= \sqrt{-5 + 6! + 78 - 9} \\
 : 98/7 - 6 + 5 \times 4 &= 3! + 21 + 0! \\
 : (98 + 7 \times 6) / 5 &= 4 + 3 + 21 \\
 : \sqrt{9} \times 8 \times 7 / 6 &= (5 + 4) \times 3 + 2 - 1 \\
 : \sqrt{9} \times 8 \times 7 / 6 &= 5 + 43 - 2 \times 10
 \end{aligned}$$

●29

$$\begin{aligned}
 : 1 \times 2 + 3 + 4! &= 5 \times 6 - (-7 + 8)^9 \\
 : \sqrt{(9 + 87) \times 6} + 5 &= -4 + 32 + 1 \\
 : \sqrt{(9 + 87) \times 6} + 5 &= \sqrt{4^3} + 21
 \end{aligned}$$

●30

$$\begin{aligned}
 : (12 + 3) \times \sqrt{4} &= 56 - 78 / \sqrt{9} \\
 : -12 - 3 + 45 &= 6 + 7 + 8 + 9 \\
 : 9 + 8 + 7 + 6 &= 54 - 3 - 21 \\
 : (9 - 8)^7 \times 6 \times 5 &= (4 - 3 + 2) \times 10 \\
 : 9 + 8 + 7 + 6 &= 54/3 + 2 + 10 \\
 : 98 - 7 - 65 + 4 &= 32 - 1 - 0!
 \end{aligned}$$

●31

$$\begin{aligned}
 : 98 - 76 + 5 + 4 &= 32 - 1 \\
 : \sqrt{9} \times 8 + 7 &= (654 - 3) / 21 \\
 : \sqrt{9} \times 8 + 7 &= 6 + 5 - 4 + 3 + 21 \\
 : \sqrt{9} + 8 \times (7 - 6) + 5 \times 4 &= 32 - 1 \\
 : -\sqrt{9} - 8 + 7 \times 6 &= (5 - 4) \times 32 - 1 \\
 : \sqrt{9} \times 8 + 7 &= 6 + 54 + 3 - \sqrt{2^{10}} \\
 : -\sqrt{9} - 8 + 7 \times 6 &= 54 - 3 - 2 \times 10
 \end{aligned}$$

- 32
- $$: (9-8)^7 \times 6 \times 5 + \sqrt{4} = 32 \times 1$$
- $$: \sqrt{9 \times (87-6)} + 5 = 4^3/2 \times 1$$
- $$: 98 - 76 + 5 + \sqrt{4} + 3 = \sqrt{2^{10}}$$
- $$: \sqrt{9 \times (87-6)} + 5 = 4 \times 3 + 2 \times 10$$
- 33
- $$: 1 - 2 + 34 = 5 + (6 + 78)/\sqrt{9}$$
- $$: 1 - 2 + 34 = 5 + (6 + 78)/\sqrt{9}$$
- $$: - \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 7 \times 6 = (5-4) \times 32 + 1$$
- 34
- $$: 1^2 \times 34 = 5 \times (6 + 7 - 8) + 9$$
- $$: (98 - 76 - 5) \times \sqrt{4} = 32 + 1 + 0!$$
- $$: -98 \times 7 + 6! = 5 - 4 + 32 + 1$$
- $$: 9 + (-8 + 7 + 6) \times 5 = \sqrt{4} + 32 \times 1$$
- $$: 9 + (-8 + 7 + 6) \times 5 = 4 \times 3 \times 2 + 10$$
- 35
- $$: 1^2 + 34 = 5 + 6 + 7 + 8 + 9$$
- $$: 12 - 3 + 4 \times 5 + 6 = 7 \times (8 - \sqrt{9})$$
- $$: ((9-8)^7 + 6) \times 5 = 4 + 32 - 1$$
- $$: ((9-8)^7 + 6) \times 5 = 43 + 2 - 10$$
- $$: (-\sqrt{9} + 8) \times 7 = 6 + (5 + 4) \times 3 + 2 \times 1$$
- $$: (-\sqrt{9} + 8) \times 7 = 6 + 5 \times 4 - 3 + 2 + 10$$
- $$: (-\sqrt{9} + 8) \times 7 = 65 + \sqrt{4} - 32 \times 1$$
- $$: (-\sqrt{9} + 8) \times 7 = 65 - 4 - 3!^2 + 10$$
- $$: 9 + 87 - 65 + 4 = 3 + \sqrt{2^{10}}$$
- 36
- $$: (12-3) \times 4 = 5 \times 6 + 7 + 8 - 9$$
- $$: 1 \times 2 + 34 = 5 + 6 \times 7 - 8 - \sqrt{9}$$
- $$: 12 \times 3 = 4 \times (56/7 - 8 + 9)$$
- $$: 12 \times 3 = 4 + 5 + 6 + 7 + 8 + (\sqrt{9})!$$
- $$: 12 \times 3 = 4 + 56 - 7 - 8 - 9$$
- $$: 12/3 \times (4+5) = 6 \times (7+8-9)$$
- $$: (-9+8+7) \times 6 = 54 + 3 - 21$$
- 37
- $$: 1 + 2 + 34 = 5 \times 6 - 7 \times (8 - 9)$$
- $$: 1 + 2 + 34 = 5 + 6 + 78/\sqrt{9}$$
- $$: 12 \times 3 - 4 + 5 = 6 \times 7 - 8 + \sqrt{9}$$
- $$: 12 \times 3 - 4 + 5 = 6 + 7 + 8 \times \sqrt{9}$$
- $$: (9-8) \times (7 \times 6 - 5) = 4 + 32 + 1$$
- $$: 98 - (7+6) \times 5 + 4 = 3!^2 + 1$$
- $$: \sqrt{9} - 8 + 7 \times 6 = 54/3 \times 2 + 1$$
- $$: \sqrt{9} - 8 + 7 \times 6 = 54 + 3 - 2 \times 10$$
- 38
- $$: 12 \times 3 + \sqrt{4} = 5 \times 6 + 7 - 8 + 9$$
- 39
- $$: 1^2 \times (34 + 5) = 6!/(7+8) - 9$$
- $$: 12 + 3 + 4! = 5! + 6 - 78 - 9$$
- $$: -98 \times 7 + 6! + 5 = 4! + 3 + 2 + 10$$
- $$: -98 - 7 + 6!/5 = (4+3)^2 - 10$$
- $$: -98 - 7 + 6!/5 = 4 + 3!^2 - 1$$
- $$: \left(\sqrt{\sqrt{9^8} - 7!} \right) = 6 + 5 - 4 + 32 \times 1$$
- $$: \left(\sqrt{\sqrt{9^8} - 7!} \right) = 65 - 4 - 32 + 10$$
- 40
- $$: 12 \times 3 + 4 = 5 \times (-6 + 78)/9$$
- $$: 12 \times 3 + 4 = 5 \times (-6 + 78)/9$$
- $$: 12 \times 3 + 4 = 5 - 6 - 7 + 8 \times (\sqrt{9})!$$
- $$: 1 - 2 \times 3 + 45 = (6 + 7 - 8)!/\sqrt{9}$$
- $$: (\sqrt{9})! - 8 + 7 \times 6 = 5 \times \sqrt{43 + 21}$$
- $$: (\sqrt{9})! - 8 + 7 \times 6 = 5 + 43 + 2 - 10$$
- $$: 9 - 87 - 6 + 5! + 4 = (3! - 2) \times 10$$
- 41
- $$: (\sqrt{9})! \times 8 - 7 = (6 - 5) \times (43 - 2 \times 1)$$
- $$: -9 + 8 + 7 \times 6 = 5 + 4 + 32 \times 1$$
- $$: -9 - 8 - 7 + 65 = 43 - 2 \times 1$$

● 42

$$\begin{aligned}
&: 1^2 \times (3 + 45 - 6) &= 7! / (8 - \sqrt{9})! \\
&: 1 + 2 + 34 + 5 &= 6 \times 7 \times (-8 + 9) \\
&: 12 + 3! + 4! &= 5! - 67 - 8 - \sqrt{9} \\
&: (9 - 8) \times 7 \times 6 &= (5 - 4) \times (32 + 10) \\
&: (9 - 8) \times 7 \times 6 &= 5 + 4 + 32 + 1 \\
&: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right)! \times 7 &= 6 + 54 + 3 - 21 \\
&: 9 - 8 - 7 - 6 + 54 &= 32 + 10 \\
&: \sqrt{9} \times (8 + 7 - 6 + 5) &= 43 - (21 \times 0)! \\
&: \sqrt{9} \times (8 + 7 - 6 + 5) &= 43 - 2 + 1 \\
&: - \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right) + 7 \times 6 + 5 + 4 &= 32 + 10
\end{aligned}$$

● 43

$$\begin{aligned}
&: 1^2 - 3 + 45 &= 67 - 8 \times \sqrt{9} \\
&: 1 - 2 \times (3 - 4!) &= \sqrt{5^6} + 7 - 89 \\
&: 9 - 8 + 7 \times 6! / 5! &= 4^3 - 21 \\
&: 9 - 8 + 7 \times 6! / 5! &= 43 + 21 \times 0 \\
&: 9 - 8 + 7 \times 6 &= 5 \times \sqrt{4} + 32 + 1 \\
&: 9 - 8 + 7 \times 6 &= 5 + \sqrt{4} + 3!^2 \times 1 \\
&: 9 - 8 + 7 \times 6 &= 5 - 4 + 32 + 10
\end{aligned}$$

● 44

$$\begin{aligned}
&: (-1 + 23) \times \sqrt{4} &= 5! / 6 + 7 + 8 + 9 \\
&: 1 \times 2 - 3 + 45 &= 6 \times 7 + 8 - (\sqrt{9})! \\
&: 98 / 7 + 6 \times 5 &= 43 + (21 \times 0)! \\
&: 98 / 7 + 6 \times 5 &= 43 + 2 - 1
\end{aligned}$$

● 45

$$\begin{aligned}
&: 1^{23} \times 45 &= (6 + 7 - 8) \times 9 \\
&: 9 \times (-8 + 7 + 6) &= 5 + 43 - 2 - 1 \\
&: 9 - 8 - 76 + 5! &= 43 + 2 \times 1 \\
&: \sqrt{9} \times (8 + 7) &= 6 + 54 / 3 + 21 \\
&: \sqrt{9} \times (8 + 7) &= 6 + 54 - 3 - 2 - 10 \\
&: \sqrt{9} \times (8 + 7) &= 6 + 54 - 3 - 2 - 10 \\
&: \sqrt{9} \times (8 + 7) &= 65 + 4 - 3 - 21
\end{aligned}$$

● 46

$$\begin{aligned}
&: 12 + 34 &= 5 + 6 \times 7 + 8 - 9 \\
&: 12 + 34 &= 5 + 6 + 7 \times (8 - \sqrt{9}) \\
&: 12 + 34 &= 56 + 7 - 8 - 9 \\
&: -9 + 8 \times 7 - 6 + 5 &= 4 + 32 + 10 \\
&: -9 + 8 \times 7 - 6 + 5 &= 43 + 2 + 1 \\
&: -9 + 8 + 7 \times 6 + 5 &= 4 + 32 + 10 \\
&: -98 / 7 + 6 + 54 &= 3!^2 + 10 \\
&: -\sqrt{9} + (8! - 7!) / 6! &= 5 + 43 - 2 \times 1 \\
&: -\sqrt{9} + (8! - 7!) / 6! &= 54 / 3 \times 2 + 10
\end{aligned}$$

● 47

$$\begin{aligned}
&: 1 + 23 \times \sqrt{4} &= 56 + (7 - 8) \times 9 \\
&: 12 + 34 - 5 + 6 &= 7 \times 8 - 9 \\
&: (\sqrt{9})! \times 8 - 7 + 6 &= 5 + 43 - 2 + 1 \\
&: -9 + 8 \times 7 &= 65 \times 4 - 3 - 210 \\
&: -9 + 8 \times 7 &= 65 - 4 \times 3 - (2 + 1)!
\end{aligned}$$

● 48

$$\begin{aligned}
&: (1 + 23) \times \sqrt{4} &= 56 - 7 + 8 - 9 \\
&: 12 \times (3 - 4 + 5) &= 6 \times (7 - 8 + 9) \\
&: (9 - 8 + 7) \times 6 &= 54 - 3 - 2 - 1 \\
&: (\sqrt{9})!! / (8 + 7) &= 65 - 4 - 3! \times 2 - 1 \\
&: (\sqrt{9})! \times 8 &= 7 + 6 + 54 / 3 \times 2 - 1 \\
&: (\sqrt{9})! \times 8 &= 7 + 6 + \sqrt{5^4} \times (3 - 2) + 10 \\
&: (\sqrt{9})! \times 8 &= 7 + 6 - 5 - \sqrt{4} + 32 + 10 \\
&: 9 - 87 + 6 + 5! &= 4! + 3 + 21
\end{aligned}$$

● 49

$$\begin{aligned}
&: 1 + 2 \times 3! \times 4 &= 56 + 7 \times (8 - 9) \\
&: 1^2 - 3 + 45 + 6 &= 7^{8 - (\sqrt{9})!}
\end{aligned}$$

● 50

$$\begin{aligned}
&: (1 + (-2 + 3!)!) \times \sqrt{4} &= 56 - 7 - 8 + 9 \\
&: -1 + 23 \times \sqrt{4} + 5 &= 67 - 8 - 9 \\
&: 1 + 23 - 4 + 5 \times 6 &= 7 \times 8 - (\sqrt{9})! \\
&: -(\sqrt{9})! + 8 \times 7! / 6! &= 5 + 43 + 2 \times 1 \\
&: -(\sqrt{9})! + 8 \times 7! / 6! &= 54 + 3 \times 2 - 10 \\
&: -(\sqrt{9})! + 8 \times 7 &= 65 - 4 - 3 + 2 - 10 \\
&: 1 \times 2 + 3 + 45 &= 67 - 8 - 9 \\
&: 9 \times 8 - 76 + 54 &= (3 + 2) \times 10 \\
&: -\sqrt{9} + 8! / 7! \times 6 + 5 &= (4 + 3)^2 + 1 \\
&: -\sqrt{9} + 8! / 7! \times 6 + 5 &= (4 + 3 - 2) \times 10
\end{aligned}$$

- 51
- $$\begin{aligned} &: (1+2)^3 + 4! = 5!/6 \times 7 - 89 \\ &: 12 + 34 + 5 = 6 + (7+8) \times \sqrt{9} \\ &: 12 + 34 + 5 = 6 + (7+8) \times \sqrt{9} \\ &: \sqrt{9} \times (8+7) + 6 = 5 + 43 + 2 + 1 \\ &: \sqrt{9} \times (8+7) + 6 = 54 - 3 + 21 \times 0 \end{aligned}$$
- 52
- $$\begin{aligned} &: (1+2 \times 3!) \times 4 = 5 - 6 \times 7 + 89 \\ &: 1 + 2 \times 3 + 45 = 6 \times 78/9 \\ &: 1 + 2 \times 3 + 45 = 6 \times 78/9 \\ &: -\sqrt{9} \times 8 + 76 = 5 + 4! + 3 + 2 \times 10 \\ &: -\sqrt{9} \times 8 + 76 = 5 + 4 \times 3! \times 2 - 1 \\ &: -\sqrt{9} \times 8 + 76 = 54 - 3 + 2 - 1 \\ &: -\sqrt{9} + 8 + 7 \times 6 + 5 = 4 \times (3! \times 2 + 1) \\ &: -\sqrt{9} + 8 + 7 \times 6 + 5 = 4^3 - 2 - 10 \end{aligned}$$
- 53
- $$\begin{aligned} &: 1 \times 2^3 + 45 = 6 + 7 \times 8 - 9 \\ &: 1^{23} - 4 + 56 = 7 \times 8 - \sqrt{9} \\ &: -1 + 2 \times (3+4!) = 5! + 67 \times (8-9) \\ &: -1 + 2^{3!} = 4 + 5 - 6 \times (7-8) \times 9 \\ &: -9 + 8 \times 7 + 6 = 54 + 3^2 - 10 \\ &: -9 + 8 \times 7 + 6 = 54 - 3 + 2 \times 1 \\ &: -\sqrt{9} + 8 \times 7 = (65 + 43)/2 - 1 \\ &: \sqrt{9} - 8 - 7 + 65 = (4! + 3) \times 2 - 1 \\ &: \sqrt{9} - 8 - 7 + 65 = \sqrt{43^2} + 10 \end{aligned}$$
- 54
- $$\begin{aligned} &: 12 - 3 + 45 = 6 \times (-7 + 8) \times 9 \\ &: 9 \times (8-7) \times 6 = 5 + (4+3)^2 \times 1 \\ &: 9 \times (8-7) \times 6 = 54 + 321 \times 0 \\ &: 9 \times (8-7) \times 6 = 54 - 3 + 2 + 1 \\ &: 98 + 76 - 5! = \sqrt{4} \times 32 - 10 \end{aligned}$$
- 55
- $$\begin{aligned} &: 1 + 2 \times (3+4!) = 56 - (-7+8)^9 \\ &: 12/3 + 45 + 6 = 7 + 8 \times (\sqrt{9})! \\ &: 12/3 + 45 + 6 = 7 + 8 \times (\sqrt{9})! \\ &: (12+3-4) \times 5 = 6 + 7^{8-(\sqrt{9})!} \\ &: (\sqrt{9})! \times 8 + 7!/6! = 54 + 3 - 2 \times 1 \\ &: (\sqrt{9})! \times 8 + 7!/6! = 54 - 3^2 + 10 \\ &: (\sqrt{9})! \times 8 + 7 = (65 + 43)/2 + 1 \\ &: (\sqrt{9})! \times 8 + 7 = 6 + 54 - (3+2) \times 1 \\ &: (\sqrt{9})! \times 8 + 7 = 6 + 54 + 3 + 2 - 10 \\ &: (\sqrt{9})! \times 8 + 7 = 65 - 4 - 3 - 2 - 1 \\ &: \sqrt{9} + 8 - 76 + 5! = 4! + 32 - 1 \\ &: \sqrt{9} + 8 - 76 + 5! = 43 + 2 + 10 \end{aligned}$$
- 56
- $$\begin{aligned} &: 12 \times 3 + 4 \times 5 = 67 - 8 - \sqrt{9} \\ &: -(\sqrt{9})! + 8 \times 7 + 6 = 5 + 4! \times 3 - 21 \\ &: 98 - 7 \times 6 = 5 + 43 - 2 + 10 \end{aligned}$$
- 57
- $$\begin{aligned} &: -1 + 2 \times (34-5) = 6!/(7+8) + 9 \\ &: 9 + 8!/7! \times 6 = (54+3) \times (2-1) \\ &: 9 + 8!/7! \times 6 = 5 + 4^3 - 2 - 10 \\ &: -9 + 8 - 7 + 65 = 4! + 32 + 1 \end{aligned}$$
- 58
- $$\begin{aligned} &: (9-8) \times (-7+65) = 4 \times 3! \times 2 + 10 \\ &: (9-8) \times (-7+65) = 4^3 - (2+1)! \\ &: 9 + (8! - 7!)/6! = 54 + 3 + 2 - 1 \\ &: 9 + (8! - 7!)/6! = 54 - 3 \times 2 + 10 \end{aligned}$$
- 59
- $$\begin{aligned} &: 1 + 2 \times (34-5) = 6 \times 7 + 8 + 9 \\ &: 12 - \sqrt{3^4} + 56 = 7 \times 8 + \sqrt{9} \\ &: 9 + 8 + 7 \times 6 = 54 + 3 + 2 \times 1 \\ &: 9 + 8 + 7 \times 6 = 54 - 3 - 2 + 10 \\ &: 9 - 8 - 7 + 65 = (4+3)^2 + 10 \\ &: \sqrt{9} + 8 \times 7 = 6 + 5 \times 4 + 32 + 1 \\ &: \sqrt{9} + 8 \times 7 = 65 - 4 - 3 + 2 - 1 \end{aligned}$$

• 60

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

• 61

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

• 62

$$\begin{aligned} &: (1 + 23)/4 + 56 = 7 \times 8 + (\sqrt{9})! \\ &: 12 + (3! + 4) \times 5 = 67 - 8 + \sqrt{9} \\ &: (\sqrt{9})! + 8 \times 7 = 6 + 54 + 3 - 2 + 1 \\ &: (\sqrt{9})! + 8 \times 7 = 6 - 54 + (3 + 2)! - 10 \\ &: -(\sqrt{9})! - 8 + 76 = 5 \times 4 + 32 + 10 \\ &: -(\sqrt{9})! - 8 + 76 = 54 + 3^2 - 1 \\ &: 98/7 - 6 + 54 = 3 \times 21 - 0! \\ &: -\sqrt{9 \times (8 - 7)} + 65 = 4^3 - 2 \times 1 \end{aligned}$$

• 63

$$\begin{aligned} &: -1 + 2^{3!} = 45 - 6 + 7 + 8 + 9 \\ &: 9 \times 87 - 6! = 54 - 3 + 2 + 10 \\ &: 9 \times 8 - \sqrt{76} + 5 = 43 + 2 \times 10 \\ &: 9 - 8 - 7 + 65 + 4 = 3 \times 21 \\ &: \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) \times 7 = 65 - 4 + 3 - 2 + 1 \end{aligned}$$

• 64

$$\begin{aligned} &: 1 \times 2^{3!} = 45 + 67 - 8 \times (\sqrt{9})! \\ &: 1 \times 2^{3!} = \sqrt{4} + (5 - 67) \times (8 - 9) \\ &: 1 \times 2^{3 \times \sqrt{4}} = 56 + 7 - 8 + 9 \\ &: (\sqrt{9} - 8 + 7)^6 = 5 \times 4 \times 32/10 \\ &: (\sqrt{9} - 8 + 7)^6 = 5 - 4 + 3 \times 21 \\ &: 9 + 8 + 7 \times 6 + 5 = 43 + 21 \\ &: 98 + 7 - 65 + 4! = 32 \times (1 + 0!) \\ &: -\sqrt{9} + 8 \times 7 + 6 + 5 = 43 + 21 \end{aligned}$$

• 65

$$\begin{aligned} &: (12 + 3) \times 4 + 5 = 67 - 8 + (\sqrt{9})! \\ &: 1 + 2^{3!} = 4! + (5 + 6 - 7)! + 8 + 9 \\ &: 1 + 2^{3!} = 4 + 5 + 67 - 8 - \sqrt{9} \\ &: 1 + 2^{3!} = 4 - 5 + 67 + 8 - 9 \\ &: 1 + 2^{3!} = \sqrt{4} + 56 - 7 \times (8 - 9) \\ &: 1 + \sqrt{2^{3 \times 4}} = 56 - (7 - 8) \times 9 \\ &: (9 - 8)^7 \times 65 = 4^3 + 2 - 1 \\ &: (9 - 8)^7 \times 65 = 43 + 21 + 0! \\ &: 9 + 8 \times 7 = 6 - 5 + 43 + 21 \\ &: 9 + 8 \times 7 = 65 + 4321 \times 0 \\ &: \sqrt{9} + 8 \times 7 + 6 = 5 \times (4 \times 3 + 2 - 1) \\ &: \sqrt{9} + 8 \times 7 + 6 = 5 + \sqrt{4 + 32} \times 10 \end{aligned}$$

• 66

$$\begin{aligned} &: (1 - 23) \times (\sqrt{4} - 5) = 67 + 8 - 9 \\ &: 1 \times 2^{3!} + \sqrt{4} = 56 - 7 + 8 + 9 \\ &: (9 - 8)^7 + 65 = 4! + 32 + 10 \\ &: (9 - 8)^7 + 65 = 4^3 + 2 \times 1 \\ &: 98 - (7 + 6 - 5) \times 4 = 3 \times (21 + 0!) \\ &: \sqrt{9} \times 8 + 7 \times 6 = (5 + 4!) \times 3 - 21 \times 0! \\ &: \sqrt{9} \times 8 + 7 \times 6 = 5 + (4^3 - 2 - 1) \end{aligned}$$

• 67

$$\begin{aligned} &: -1 + 2 \times 34 + 5!/6 = 78 + 9 \\ &: -1 + 23 + 45 = 67 \times (-8 + 9) \\ &: \sqrt{9} - 8 + 7 + 65 = 4 + 3 \times 21 \\ &: - \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 76 = (5 + 4!) \times 3 - 21 + 0! \end{aligned}$$

• 68

$$\begin{aligned} &: 1 \times (23 + 45) = 67 - 8 + 9 \\ &: 1 \times 2 \times 34 = 56 + 7 + 8 - \sqrt{9} \\ &: 1 \times 2 \times 34 = 5 - 6 + 78 - 9 \\ &: (\sqrt{9})! + 8 \times 7 + 6 = 5 + 4^3 - 2 + 1 \\ &: (\sqrt{9})! + 8 \times 7 + 6 = 5 + 43 + 2 \times 10 \\ &: \sqrt{9} \times (8 - 7) + 65 = 4 + 3 \times 21 + 0! \end{aligned}$$

•69

$$\begin{aligned}
&: 1 + 2 \times 34 &= (-5 + 6) \times 78 - 9 \\
&: 1 + 2 \times 34 &= 5 - 6 + 7! / (8 \times 9) \\
&: 12 - 3 + 4 + 56 &= 78 - 9 \\
&: (\sqrt{9})! + (8! + 7!) / 6! &= 5 + 43 + 21 \\
&: (\sqrt{9})! + (8! + 7!) / 6! &= 54 + 3 + 2 + 10 \\
&: (\sqrt{9} + 8) - 7 + 65 &= 4! \times 3 - 2 - 1 \\
&: \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) \times 7 + 6 &= 5 + 43 + 21
\end{aligned}$$

•70

$$\begin{aligned}
&: (1 + 2 \times 3) \times \sqrt{4} \times 5 &= 6! \times 7 / (8 \times 9) \\
&: 1 \times 2 + 3 \times 4 + 56 &= 7! / (8 \times 9) \\
&: - \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + 76 &= 5 + 4^3 + 2 - 1
\end{aligned}$$

•71

$$\begin{aligned}
&: 1 - 2 + 3 \times 4! &= 5 + 67 + 8 - 9 \\
&: (9 - 8) \times (76 - 5) &= 4! \times 3 - 2 + 1 \\
&: 9 \times 8 - 7 + 6 &= 5 + 4^3 + 2 \times 1 \\
&: 9 \times 8 - 7 + 6 &= 54 \times 3 / 2 - 10 \\
&: 9 - 8 \times 7 - 6 + 5! + 4 &= \sqrt{(3 \times 2 + 1)!} + 0! \\
&: \sqrt{9 - 8 + 7!} &= 6 + 5 + 4! \times 3 - 2 - 10 \\
&: \sqrt{9 - 8 + 7!} &= 65 + 4! + 3 - 21
\end{aligned}$$

•72

$$\begin{aligned}
&: (1 + 2)^3 + 45 &= 67 + 8 - \sqrt{9} \\
&: 12 \times 3! &= (45 - 6 - 7 - 8) \times \sqrt{9} \\
&: 12 \times 3! &= 45 + 6 + 7 + 8 + (\sqrt{9})! \\
&: 12 \times 3! &= \sqrt{4} + 5! - 67 + 8 + 9 \\
&: 12 \times 3 \times \sqrt{4} &= 5 - 67 \times (8 - 9)
\end{aligned}$$

•72

$$\begin{aligned}
&: 9 \times 8 &= (7 - 6) \times 54 - 3 + 21 \\
&: 9 \times 8 &= (7 + 6) \times 5 + 4 + 3 + 21 \times 0 \\
&: 9 \times 8 &= 7 \times 6 + 5 \times 4 + (3 - 2) \times 10 \\
&: 9 \times 8 &= 7 + 65 + 4 - 3 - 2 + 1 \\
&: 9 \times 8 &= 7 + 65 + 4321 \times 0 \\
&: 9 \times 8 &= \sqrt{76 + 5} + 4^3 - 2 + 1 \\
&: 9 \times 8! / 7! &= 65 - 4 + 3 - 2 + 10 \\
&: 9 \times 8! / 7! &= 65 - \sqrt{4} + 3^2 \times 1 \\
&: 9 + 8 + 7 - 6 + 54 &= 3! \times (2 + 10) \\
&: 9 - 8 + 76 &= 5 + 4 \times (-3 + 21) \\
&: 9 - 8 + 76 &= 5 + 4^3 - 2 + 10
\end{aligned}$$

•72

$$\begin{aligned}
&: - \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 76 + 5 &= 4 \times (-3 + 21) \\
&: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! \times 7 + 6 \times 5 &= 4 \times (-3 + 21) \times 0!
\end{aligned}$$

•73

$$\begin{aligned}
&: 1^2 + 3 \times 4! &= 56 / 7 \times 8 + 9 \\
&: 9 - 8 + 7 + 65 &= 4! \times 3 + 2 - 1
\end{aligned}$$

•74

$$\begin{aligned}
&: 12 \times 3! + \sqrt{4} &= 5 - 6! + 789 \\
&: (\sqrt{9})! - 8 + 76 &= 5! - 43 - 2 - 1 \\
&: (\sqrt{9})! - 8 + 76 &= 5! - 4 - 32 - 10 \\
&: 9 \times (8 - 7) + 65 &= 4! \times 3 + 2 \times 1 \\
&: 9 \times (8 - 7) + 65 &= \sqrt{4} \times 32 + 10
\end{aligned}$$

•75

$$\begin{aligned}
&: 1 + 2 + 3 \times 4! &= 5 \times (6 - (7 - 8) \times 9) \\
&: 12 + 3 + 4 + 56 &= 78 - \sqrt{9} \\
&: -9 + 8 + 76 &= (-5 + 43) \times 2 - 1 \\
&: 98 + 7 - 6 \times 5 &= 43 + \sqrt{2^{10}}
\end{aligned}$$

•76

$$\begin{aligned}
&: 12 \times 3! + 4 &= 5 + 6 + 7 \times 8 + 9 \\
&: (9 - 8) \times 76 &= (-5 + 43) \times 2 \times 1 \\
&: (9 - 8) \times 76 &= 54 + 32 - 10 \\
&: 9 + 8 \times 7 + 6 + 5 &= 4 \times \sqrt{3! / 2} + 1 \\
&: 9 + 8 \times 7 + 6 + 5 &= 43 \times 2 - 10
\end{aligned}$$

•77

$$\begin{aligned} &: -1 + 2 \times (34 + 5) = 6 + \sqrt{7! - 8 + 9} \\ &: (\sqrt{9} + 8) \times 7 = 6 + 5 + \sqrt{4} + 3 \times 21 + 0! \\ &: (\sqrt{9} + 8) \times 7 = 65 + 4 \times 3 \times (2 - 1) \\ &: 9 - 8 + 76 = 5 + 4 \times (-3 + 21) \\ &: 9 - 8 + 76 = 54 + 3 + 2 \times 10 \end{aligned}$$

•78

$$\begin{aligned} &: (123 - 45) = 6 \times 78 / (\sqrt{9})! \\ &: -1 - 2 + 3^4 = 5 - 6 + 7 + 8 \times 9 \\ &: (9 + 8 \times 7) \times 6/5 = 4! \times 3 + (2 + 1)! \times 0! \\ &: (9 + 8 \times 7) \times 6/5 = 4! \times 3 + (2 + 1)! \\ &: -9 + 87 = 6 + 5 + 4 + 3 \times 21 \\ &: -9 + 87 = 6 + 54 + 3! + 2 + 10 \\ &: -9 + 87 = 6 + 54 - 3 + 21 \\ &: -9 + 87 = 65 + (4 + 3) \times 2 - 1 \\ &: -9 + 87 = 65 + 4 - 3 + 2 + 10 \\ &: -9 + 87 = 65 - 4! / 3 + 21 \\ &: -\sqrt{9} + 87 = 6 + 54 - 3 \times (2 - 10) \end{aligned}$$

•79

$$\begin{aligned} &: 1 \times 2 \times 34 + 5 + 6 = 7 + 8 \times 9 \\ &: 9 \times 8 + 7! / 6! = 5! - 43 + 2 \times 1 \\ &: 9 \times 8 + 7! / 6! = 5 + \sqrt{4} \times 32 + 10 \\ &: 9 \times 8 + 7 = 6 + 5 \times \sqrt{4} + 3 \times 21 \\ &: 9 \times 8 + 7 = 6 + 54 + 3^2 + 10 \\ &: 9 \times 8 + 7 = 65 - 4 - 3 + 21 \\ &: 98 / 7 + 65 = 4! \times 3 + (2 + 1)! + 0! \end{aligned}$$

•80

$$\begin{aligned} &: 12/3 \times 4 \times 5 = (6! + 7!) / (8 \times 9) \\ &: 1 - 2 + 3^4 = 5 + 6 + 78 - 9 \\ &: 98 - (7 + 65) / 4 = (3! + 2) \times 10 \\ &: (9 + 87) / 6 \times 5 = (4 + 3! - 2) \times 10 \\ &: \left(\sqrt{\sqrt{9^8}} \right) - 7 + 6 = 5 \times 4 + 3 \times 2 \times 10 \\ &: \left(\sqrt{\sqrt{9^8}} \right) - 7 + 6 = 54 \times 3 / 2 - 1 \end{aligned}$$

•81

$$\begin{aligned} &: (-1 + 2) \times 3^4 = 5 - 6 - 7 + 89 \\ &: (12 - 3) \times (\sqrt{4 + 5} + 6) = 78 + \sqrt{9} \\ &: 1^2 \times 3^4 = (5 + 67) / 8 \times 9 \\ &: 12 \times 3 + 45 = 6 \times (7 + 8) - 9 \\ &: (9 - 8) \times 76 + 5 = (4! + 3) \times (2 + 1) \\ &: -(\sqrt{9})! + 87 = 6^5 / (43 \times 2 + 10) \\ &: -(\sqrt{9})! + 87 = 6 + 5! - 43 - 2 \times 1 \\ &: 9 \times (8 + 7 - 6) = 5 + 43 \times 2 - 10 \\ &: 9 \times (8 + 7 - 6) = 54 \times 3 / 2 \times 1 \\ &: 9 \times \sqrt{87 - 6} = 5 + 4 + 32 \times 1 \\ &: \sqrt{9} \times (87 - 6 - 54) = 3^{2 \times (1 + 0!)} \end{aligned}$$

•81

$$\begin{aligned} &: \sqrt{\sqrt{9^8}} = 7 + (6 + 54 \times 3) / 2 - 10 \\ &: \sqrt{\sqrt{9^8}} = 7 + 65 - 4 \times 3 + 21 \\ &: \sqrt{\sqrt{9^8}} = 76 + 5 \times (4 - 3)^{21} \\ &: \sqrt{\sqrt{9^8}} = 76 + 5 + 4321 \times 0 \end{aligned}$$

•82

$$\begin{aligned} &: 1^2 + 3^4 = (5 - 6) \times (7 - 89) \\ &: 1^2 + 3^4 = 56 + 78 / \sqrt{9} \\ &: 9 - 8 + 76 + 5 = (43 - 2) \times (1 + 0!) \end{aligned}$$

•83

$$\begin{aligned} &: (\sqrt{9} + 8) \times 7 + 6 = 5 \times 4 + 3 \times 21 \\ &: (\sqrt{9} + 8) \times 7 + 6 = 54 - 3 + \sqrt{2^{10}} \\ &: 1 \times 2 + 3^4 = 5 + 67 + 8 + \sqrt{9} \\ &: \sqrt{9} + 8 + 7 + 65 = 4! / 3! \times 21 - 0! \end{aligned}$$

•84

$$\begin{aligned} &: -1 \times 2 + 3^4 + 5 = 67 + 8 + 9 \\ &: 12 \times (3 \times 4 - 5) = 67 + 8 + 9 \\ &: 12 \times (3 \times 4 - 5) = 6 \times 7 \times (8 - (\sqrt{9})!) \\ &: 12 \times (3 + 4) = 5 \times (6 - 7) + 89 \\ &: 123 - 45 + 6 = 78 + (\sqrt{9})! \end{aligned}$$

- 84
- $$: 98/7 \times 6 = (5 - 4 + 3) \times 21$$
- $$: 98/7 \times 6 = 5! - \sqrt{(4 + 32)^{1+0!}}$$
- $$: -\sqrt{9} + 87 = 6 + 54 + 3 + 21$$
- $$: -\sqrt{9} + 87 = 65 + 4 + 3 + 2 + 10$$
- $$: \sqrt{98 \times (7 + 65)} = 4!/3! \times 21$$
- $$: \sqrt{98 \times (7 + 65)} = \sqrt{4} \times (32 + 10)$$
- 85
- $$: 1 - 2 \times (3 - 45) = 6 + 7 + 8 \times 9$$
- 86
- $$: 9 \times \sqrt{87 - 6} + 5 = 43 \times 2 \times 1$$
- 87
- $$: (1 + 2)! + 3^4 = 56 + 7 + 8 \times \sqrt{9}$$
- $$: 12 \times 3! + 4 + 5 + 6 = 78 + 9$$
- $$: 12 \times 3 + 45 + 6 = 78 + 9$$
- $$: -1 - 2 + 34 + 56 = 78 + 9$$
- $$: (\sqrt{9})! \times 87/6! \times 5! = 43 \times 2 + 1$$
- $$: \sqrt{9} + 8 + 76 = 54 + 32 + 1$$
- 88
- $$: (-1 + 23) \times 4 = 5 + 6 + 7 \times (8 + \sqrt{9})$$
- $$: \sqrt{\sqrt{9^8}} + 7!/6! = 54 + 32 + 1 + 0!$$
- $$: \sqrt{\sqrt{9^8}} + 7!/6! = \sqrt{5^4} + 3 \times 21$$
- $$: \sqrt{\sqrt{9^8}} + 7 = 6 + 54 \times 3/2 + 1$$
- $$: \sqrt{\sqrt{9^8}} + 7 = 6 - 5 + 43 \times 2 + 1$$
- $$: \sqrt{\sqrt{9^8}} + 7 = 65 + 43 - 2 \times 10$$
- 89
- $$: 12 + 3 \times 4 + 5 \times (6 + 7) = 89$$
- $$: 12 + 3 + \sqrt{4} + 5 + 67 = 89$$
- $$: -1 + 23 + 4 + 56 + 7 = 89$$
- $$: 1 + 23 + \sqrt{4} + 56 + 7 = 89$$
- $$: (-1 + 23) \times 4 + (-5 + 6)^7 = 89$$
- $$: (1 - 23) \times (4 - 5) + 67 = 89$$
- $$: 12 \times (3 + 4) + 5 \times (-6 + 7) = 89$$
- 89
- $$: 1 + 2^{3!} + 4! = 5 + 67 + 8 + 9$$
- $$: (\sqrt{9})!!/8 - 7 + 6 = 5! + \sqrt{4} - 32 - 1$$
- $$: (\sqrt{9})!!/8 - 7 + 6 = 54 + 3!^2 - 1$$
- $$: 9 + 8 + 7 + 65 = (4! + 3!) \times (2 + 1) - 0!$$
- 90
- $$: (1 + 2) \times (3! + 4!) = 5 \times (6! - 78 \times 9)$$
- $$: 1^2 \times (34 + 56) = (7 + 8) \times (\sqrt{9})!$$
- $$: (\sqrt{9})!!/8 = 7 + (6 + 54 \times 3)/2 - 1$$
- $$: (\sqrt{9})!!/8 = 7 + 6 + 54 + 3 + 2 \times 10$$
- $$: 9 + 87 - 6 = 54/(3 \times 2) \times 10$$
- $$: 98 - 7 - 6 + 5 = (4! + 3!) \times (2 + 1)$$
- $$: 98 - 7 - 6 + 5 = (4 + 3 + 2) \times 10$$
- $$: \sqrt{9} \times (8 + 76 - 54) = 3^2 \times 10$$
- $$: \sqrt{9} + 87 = (6 - 5 + \sqrt{4} + 3 \times 2) \times 10$$
- $$: \sqrt{9} + 87 = 6 \times 5 + 4 \times (-3! + 21)$$
- $$: \sqrt{9} + 87 = 6 \times 5 + \sqrt{4 + 32} \times 10$$
- $$: \sqrt{9} + 87 = 6 + 5! - 4 - 32 \times 1$$
- $$: \sqrt{9} + 87 = 65 + 4 \times 3 \times 2 + 1$$
- $$: \sqrt{9} + 87 = 65 + \sqrt{4} + 3 + 2 \times 10$$
- 91
- $$: (98 - 7) \times (6 - 5) = (4! + 3!) \times (2 + 1) + 0!$$
- 92
- $$: 1 \times 23 \times 4 = 5 + 6 + 78 + \sqrt{9}$$
- $$: 1 \times 23 \times 4 = 5 + 6 + 78 + \sqrt{9}$$
- 93
- $$: (-1 + 23) \times 4 + 5 = 6 + 78 + 9$$
- $$: 1 + 23 \times 4 = 5 + 6 - 7 + 89$$
- $$: 12 + 3^4 = 5 + 6 - 7 + 89$$
- $$: 12 + 3^4 = 5 + 6 - 7 + 89$$
- $$: 9 + 8 + 76 = 5! + 4 - 32 + 1$$
- $$: 9 + 8 + 76 = 5! - 4 - 3 - 2 \times 10$$
- $$: 9 + 8 + 76 = 5 + 4 \times (32 - 10)$$
- $$: (\sqrt{9})! + 87 = 6 - 5 + 4! \times 3 + 2 \times 10$$
- $$: (\sqrt{9})! + 87 = 6 + 54 + 32 + 1$$
- 94
- $$: \sqrt{\sqrt{9^8}} + 7 + 6 = 5! - 4 - 32 + 10$$
- $$: \sqrt{\sqrt{9^8}} + 7 + 6 = -5^4 + (3 \times 2)! - 1$$

●95

$$\begin{aligned} &: (12 + 3 + 4) \times 5 = (6 + 7) \times 8 - 9 \\ &: -9 + 8 \times (7 + 6) = (-5 + 4!) \times (-3 - 2 + 10) \\ &: -9 + 8 \times (7 + 6) = (5 + 43) \times 2 - 1 \\ &: 9 + 87 - 6 + 5 = 4 \times (3! - 2)! - 1 \\ &: 9 + 87 - 6 + 5 = 4 \times (3 + 21) - 0! \end{aligned}$$

●96

$$\begin{aligned} &: \sqrt{12/3} \times 45 + 6 = 7 + 89 \\ &: (1 + 23) \times 4 = 5 + 67 + 8 \times \sqrt{9} \\ &: (1 + 23) \times 4 = \sqrt{56 - 7} + 89 \\ &: 1 \times 2 \times (3 + 45) = 6 \times (7 + 8) + (\sqrt{9})! \\ &: -1 + 23 \times 4 + 5 = 6 + (7 + 8) \times (\sqrt{9})! \\ &: 12 \times 3 + 4 + 56 = 7 + 89 \\ &: 98 + 7 - 6 - 5 + \sqrt{4} = 3 \times \sqrt{2^{10}} \end{aligned}$$

●96

$$\begin{aligned} &: 9 + 87 = (6 - 5) \times 4 \times (3 + 21) \\ &: 9 + 87 = (6 - 5) \times 43 \times 2 + 10 \\ &: 9 + 87 = (6 - 5) \times (43 \times 2 + 10) \\ &: 9 + 87 = 6 + 5 + 43 \times 2 - 1 \\ &: 9 + 87 = 6 + 54 + 3 \times (2 + 10) \\ &: 9 + 87 = 65 + 4^3 / 2 - 1 \\ &: 9 + 87 = 65 + 4 + 3! + 21 \\ &: 9 + 87 = 65 + 43 - 2 - 10 \\ &: 9 + 87 = 65 - \sqrt{4} + 32 + 1 \\ &: \sqrt{9} + 87 + 6 = (5 + 43) \times 2 \times 1 \\ &: \sqrt{9} + 87 + 6 = 54 + 32 + 10 \end{aligned}$$

●97

$$\begin{aligned} &: 1 \times 23 \times 4 + 5 = 6! - 7 \times 89 \\ &: (\sqrt{9})!! / 8 + 7 = 65 \times \sqrt{4} - 32 - 1 \\ &: (\sqrt{9})!! / 8 + 7 = 65 + 4 \times (3^2 - 1) \\ &: 98 - 7 + 6 = (5 + 43) \times 2 + 1 \\ &: 98 - 7 + 6 = 5 + 4 \times ((3! - 2)! - 1) \\ &: 98 - 7 + 6 = 5 + 4 \times (3 + 2 \times 10) \end{aligned}$$

●98

$$\begin{aligned} &: -1 - 23 - 4 + 5! + 6 = 7 \times (8 + (\sqrt{9})!) \\ &: 12 - 34 + 5! = (6 + 7) \times 8 - (\sqrt{9})! \\ &: 9 + 8 + 76 + 5 = \sqrt{4} + 3 \times \sqrt{2^{10}} \\ &: ((\sqrt{9})! + 8) \times 7 = 6 + (54 - 3) \times 2 - 10 \\ &: ((\sqrt{9})! + 8) \times 7 = 6 + 5 + 43 \times 2 + 1 \\ &: ((\sqrt{9})! + 8) \times 7 = 65 + 4 \times 3 + 21 \\ &: ((\sqrt{9})! + 8) \times 7 = 65 + \sqrt{43^2} - 10 \end{aligned}$$

●98

$$\begin{aligned} &: 98 = (7 - 6) \times 5! - 43 + 21 \\ &: 98 = (7 - 6) \times 5 + 4! \times 3 + 21 \\ &: 98 = (7 - 6) \times 5 + 4! \times 3 + 21 + 0 \\ &: 98 = (7 + 6) \times 5 + 4 \times 3 + 21 \\ &: 98 = 7 \times 6 + 5! - 43 - 21 \\ &: 98 = 7 \times 6 + 5 + 4! \times 3 - 21 \\ &: 98 = 7 \times 6 + 5 + 43 - 2 + 10 \\ &: 98 = 7 + 65 + \sqrt{4} + 3 + 21 \end{aligned}$$

●98

$$\begin{aligned} &: 98 = 7 + 65 + 4 + 32 - 10 \\ &: 98 = 7 + 6 + 54 + 32 - 1 \\ &: 98 = 76 \times 5/4 + 3 + 21 \times 0 \\ &: 98 = 76 + 5 + 4 + 3!/2 + 10 \\ &: 98 = 76 + 5 + \sqrt{4} + 3 + 2 + 10 \\ &: 98 = 76 + 5 + \sqrt{4} - 3! + 21 \\ &: 98 = 76 + 54 - 32 \times 1 \\ &: 98 = 7! / 6! + 5 + 43 \times 2 \times 1 \\ &: 98 = 7! / 6! + 54 \times 3/2 + 10 \end{aligned}$$

●99

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

●100

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

- **101**

$$: (1 + 23) \times 4 + 5 = (6 + 7) \times 8 - \sqrt{9}$$

$$: -\sqrt{9} + 8 \times (7 + 6) = (54 - 3) \times 2 - 1$$

$$: -\sqrt{9} + 8 \times (7 + 6) = 5 + 43 \times 2 + 10$$

$$: \sqrt{9} + 87 + 6 + 5 = (4 + 3!)^2 + 1$$
- **102**

$$: (1 + 2) \times 34 = 5!/6 - 7 + 89$$

$$: 1 - 23 + 4 + 5! = 6 + 7 + 89$$

$$: 9 + 87 + 6 = (54 - 3) \times 2 \times 1$$

$$: 9 + 87 + 6 = 5!/4 \times 3 + 2 + 10$$

$$: 9 + 87 + 6 = 5 + 4 \times (3! - 2)! + 1$$

$$: 9 + 87 + 6 = 5 + 4 \times (3 + 21) + 0!$$

$$: 9 + 87 + 6 = 54 + 3! \times (-2 + 10)$$
- **103**

$$: (\sqrt{9})!!/8 + 7 + 6 = (54 - 3) \times 2 + 1$$
- **104**

$$: 123 - 4! + 5 = 6 + 7 \times (8 + (\sqrt{9})!)$$

$$: ((\sqrt{9})!! + 8)/7 = 6 + 5! + 4 - 3! - 2 \times 10$$

$$: ((\sqrt{9})!! + 8)/7 = 6 + 5! - 4 + 3 - 21$$

$$: ((\sqrt{9})! + 8) \times 7 + 6 = 5! + \sqrt{4} + 3 - 21$$

$$: ((\sqrt{9})! + 8) \times 7 + 6 = 54 + (3 + 2) \times 10$$

$$: 98 + 7 - 6 + 5 = 4 \times (3! + 2 \times 10)$$
- **105**

$$: (12 + 3) \times (\sqrt{4} + 5) = 6! \times 7 / (8 \times (\sqrt{9})!)$$

$$: -12 + 3 \times (45 - 6) = 7! / (8 \times (\sqrt{9})!)$$
- **105**

$$: 98 + 7!/6! = (5 + \sqrt{4}) \times (3 + 2 + 10)$$

$$: 98 + 7!/6! = 5 \times (4 - 3) \times 21$$
- **105**

$$: 98 + 7 = (6 - 5) \times (\sqrt{4} + 3) \times (21 + 0)$$

$$: 98 + 7 = (6 - 5) \times (\sqrt{4} + 3) \times 21$$

$$: 98 + 7 = 6 \times 5 \times 4 - 3 - 2 - 10$$

$$: 98 + 7 = 6 \times 5 + 4! \times 3 + 2 + 1$$

$$: 98 + 7 = 6 + 5 \times 4 \times (3 + 2) - 1$$

$$: 98 + 7 = 6 + 5 + 4 + 3^2 \times 10$$

$$: 98 + 7 = 6 + \sqrt{5 + 4} \times (32 + 1)$$

$$: 98 + 7 = 65 + 43 - 2 - 1$$

$$: 98 + 7 = 65 + \sqrt{4} + 3! + \sqrt{2^{10}}$$
- **106**

$$: 1 + (23 - \sqrt{4}) \times 5 = (6 + 7!/8) / (\sqrt{9})!$$
- **107**

$$: (1 + 2) \times 34 + 5 = (6 + 7) \times 8 + \sqrt{9}$$

$$: 98 + \sqrt{76 + 5} = 4 \times 3^{2+1} - 0!$$

$$: \sqrt{9} + 8 \times (7 + 6) = 5! + 4!/3 - 21$$

$$: \sqrt{9} + 8 \times (7 + 6) = 5! + \sqrt{4} + 3! - 21$$
- **108**

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

$$: 12 \times (3 - 4) + 5! = 6 \times (7 + 8 + \sqrt{9})$$

$$: (\sqrt{9} + 8 + 7) \times 6 = 54 \times (3 - 2 + 1)$$

$$: (\sqrt{9} + 87) \times 6/5 = 4 \times (3! + 21)$$
- **110**

$$: (-12 + 34) \times 5 = (6 + 7) \times 8 + (\sqrt{9})!$$

$$: (98 - 76) \times 5 = (4 + 3 - 2)! - 10$$

$$: (\sqrt{9})! + 8 \times (7 + 6) = 5 \times (43 - 21)$$

$$: (\sqrt{9})! + 8 \times (7 + 6) = 5 \times 4^3 - 210$$

$$: 98 + 7 + 6 - 5 + 4 = (3 + 2)! - 10$$
- **111**

$$: -12 \times 3/4 + 5! = (6 + 7 - 8)! - 9$$

$$: 98 + 7 + 6 = 5! - 4 - 3 - 2 \times 1$$

$$: 98 + 7 + 6 = 5 + (\sqrt{4} + 3) \times 21 + 0!$$
- **112**

$$: -12/3 - 4 + 5! = 6 \times 7 \times 8 / \sqrt{9}$$

$$: -9 + 8 \times 7 + 65 = (\sqrt{4} + 3)! + 2 - 10$$
- **113**

$$: 123 - \sqrt{4} \times 5 = (6 + 7) \times 8 + 9$$

$$: 9 + 8 \times (7 + 6!/5!) = (\sqrt{4} + 3)! - (2 + 1)! - 0!$$

$$: 9 + 8 \times (7 + 6) = (54 + 3) \times 2 - 1$$
- **114**

$$: -(1 + 2)! + (3 + \sqrt{4})! = 5 \times 6 + 78 + (\sqrt{9})!$$

$$: 9 \times 8 + 7 \times 6 = (54 + 3) \times 2 \times 1$$

$$: 9 \times 8 + 7 \times 6 = 5 + 4 \times 3^{2+1} + 0!$$

$$: 9 \times 8 + 7 \times 6 = 54 \times 3! - 210$$

$$: 9 \times 8 + 7 \times 6 = 54 + 3 \times 2 \times 10$$

$$: -\sqrt{9} + 87 + 6 \times 5 = (\sqrt{4} + 3)! - (2 + 1)!$$

$$: -\sqrt{9} + 87 + 6 \times 5 = 4 + (3 + 2)! - 10$$

- 115
: $1 + 234 - 5! = 67 + 8 \times (\sqrt{9})!$
- 117
: $(1 + 2) \times (34 + 5) = (6 + 7 - 8)! - \sqrt{9}$
: $9 \times (8 \times (7 - 6) + 5) = (\sqrt{4} + 3)! - 2 - 1$
: $\left(\sqrt{\sqrt{\sqrt{9^8}}}\right) \times (7 + 6) = 5 + (\sqrt{4} + 3)! + 2 - 10$
: $\left(\sqrt{\sqrt{\sqrt{9^8}}}\right) \times (7 + 6) = 54 + 3 \times 21$
- 118
: $9 + 8 \times (7 + 6) + 5 = (\sqrt{4} + 3)! - 2 \times 1$
: $9 + 8 \times (7 + 6) + 5 = 4 \times 32 - 10$
: $98 + 7 + 6 + 5 + \sqrt{4} = (3 + 2)! - 1 - 0!$
- 119
: $1 \times 2 - \sqrt{3^4} + 5! + 6 = 7 \times (8 + 9)$
: $-1^{234} + 5! = 6 - 7 + (8 - \sqrt{9})!$
: $-1 + (2 + 3)! = 4! + 5 - 6 + 7 + 89$
: $-1 + (2 + 3)! = 4 + 5! + 67 - 8 \times 9$
- 119
: $(9 + 8) \times 7!/6! = (5 + \sqrt{4}) \times (-3 + 2 \times 10)$
- 119
: $(9 + 8) \times 7 \times (6 - 5) = (4 + 3 - 2)! - 1$
: $(9 + 8) \times 7 \times (6 - 5) = 4! \times (3 + 2) - 1$
: $(9 + 8) \times 7 = 6!/5 + \sqrt{4} - 3^{2+1}$
: $(9 + 8) \times 7 = 6 \times 5^{\sqrt{4}} - 32 + 1$
: $(\sqrt{9} - 8) \times (7 - 6 \times 5) + 4 = (3 + 2)! - 1$
: $\sqrt{9} + 8 \times 7 + 6 + 54 = (3 + 2)! - 1$
- 120
: $(1 \times 2 + 3)! = 45 + 6 + 78 - 9$
: $(1 + 2) \times 34 + 5 + 6 + 7 = (8 - \sqrt{9})!$
: $1 \times (2 + 3)! = 4 + 5!/6 + 7 + 89$
: $1 \times (2 + 3)! = \sqrt{4} + 5 + 678/(\sqrt{9})!$
: $12 \times (3! + 4) = 6!/(7 + 8 - 9)$
- 120
: $(9 - 8) \times 7 \times (6 + 5) + 43 = ((2 + 1)! - 0)!!$
: $9 + 87 + \sqrt{6 \times 54} + 3! = ((2 + 1)! - 0)!!$
: $98 + 7 + 6 + 5 + 4 = (3 + 2)! \times 1$
: $((\sqrt{9})! - 8 + 7)! = 6 + 54 + 3 \times 2 \times 10$
: $((\sqrt{9})! - 8 + 7)! = 65 + 4! + 32 - 1$
: $(\sqrt{\sqrt{9^8}} - 76)! = (5 + 4321 \times 0)!!$
: $(\sqrt{\sqrt{9^8}} - 76)! = (54 + 3!) \times 2 \times 1$
: $-9 \times 87 + 6! \times 5/4 + 3 = ((2 + 1)! - 0)!!$
: $\sqrt{9} + 87 + 6 \times 5 = 4! \times (3 \times 2 - 1)$
: $\sqrt{9} + 87 + 6 \times 5 = \sqrt{4} \times 3 \times 2 \times 10$
- 120
: $(-\sqrt{9} + 8)! = 7 + 6 + 5! + 4 + 3 - 2 \times 10$
: $(-\sqrt{9} + 8)! = 7 + 6 + 5! - 4 \times 3 - 2 + 1$
: $(-\sqrt{9} + 8)! = 76 + 5 \times 4 + 3 + 21$
: $(-\sqrt{9} + 8)! = 76 + 54 \times (3 - 2) - 10$
- 121
: $1 + (2 + 3)! = 4! + 56/7 + 89$
: $1 + (2 + 3)! = 4 + 5 \times 6 + 78 + 9$
: $1 + (2 + 3)! = 45 - 6 - 7 + 89$
- 121
: $9 \times (8 \times (7 - 6) + 5) + 4 = (3 + 2)! + 1$
: $9 + 87 + 6 - 5 + 4! = (3 + 2)! + 1$
: $98 - 7 + 6 \times 5 = 4! \times (3 + 2) + 1$
- 122
: $1 \times 2 + (3 + \sqrt{4})! = 5! - 6 + 7 - 8 + 9$
: $\sqrt{9} - (8 - 7)^6 + 5! = -4 + 3! \times 21$
- 123
: $123 = 4! + 5 \times 6 + 78 - 9$
: $123 = 4 \times (5 + 6) + 7 + 8 \times 9$
: $123 = 4 + 5 + 6 \times 7 + 8 \times 9$
: $123 = 4 + 5 - 6 + ((7 + 8)/\sqrt{9})!$
: $123 = 45 + 6 + 78 - (\sqrt{9})!$
: $123 = 45 + 67 + 8 + \sqrt{9}$
: $123 = \sqrt{4} + 5 \times 6 \times 7 - 89$
: $123 = \sqrt{4} + 56 + 7 \times 8 + 9$
: $123 = (4 + 5 - 6) \times (-7 + 8 \times (\sqrt{9})!)$
: $123 = (-4 + 5) \times (6 + 7 - 8)! + \sqrt{9}$

- 123

$$: \sqrt{123\sqrt{4}} = 5! - 6 - (7 - 8) \times 9$$
- 123

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

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

$$: 98 - 7 + 6 \times 5 + \sqrt{4} = 3 + ((2 + 1)! - 0!)!$$

$$: \sqrt{\sqrt{9^8}} + 7 \times 6 = 5 + 4 \times 32 - 10$$
- 124

$$: 1 \times ((2 + 3)! + 4) = 5 + 6 - 7 + (8 - \sqrt{9})!$$

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

$$: (\sqrt{9})! \times 8 + 76 = 5! + 4 + 321 \times 0$$

$$: (\sqrt{9})! \times 8 + 76 = 5^4 / (3 + 2) - 1$$

$$: \sqrt{9} + 8 \times 7 + 65 = 4 \times (32 - 1)$$
- 125

$$: 123 + \sqrt{4} = 56 + 78 - 9$$

$$: 1^{23} + 4 + 5! = 6 + 7 \times (8 + 9)$$
- 125

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

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

$$: 9 \times 8 - 7 + 6 + 54 = 3! \times 21 - 0!$$

$$: 9 \times 8 - 7 + \sqrt{6! \times 5} = (\sqrt{4} + 3)^{2+1}$$
- 126

$$: (1 + 2)! \times (-3 + 4!) = (6 + 7 + 8) \times (\sqrt{9})!$$

$$: 123 - \sqrt{4} + 5 = 5 \times 6 + 7 + 89$$
- 126

$$: (98 + 7) \times 6/5 = 4 + (3 + 2)! + 1 + 0!$$

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

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

$$: 9 + 87 + 6 \times 5 = \sqrt{4} \times 3 \times 21$$

$$: 98 - 7 + 6 + 5 + 4! = 3! \times 21$$
- 127

$$: 1^{234} + 5! + 6 = 7 + (8 - \sqrt{9})!$$

$$: (123 + 4) \times (-5 + 6) = 7 + (8 - \sqrt{9})!$$

$$: 123 + 4 = 5! - 6 + 78 / (\sqrt{9})!$$

$$: 123 + 4 = 56 + \sqrt{7! - 8 + 9}$$
- 127

$$: (\sqrt{9})! + 8 \times 7 + 65 = 4 \times 32 - 1$$

$$: (-\sqrt{9} + 8)! + 7!/6! = 5! + 4 + 3 + 2 - 1 - 0!$$

$$: (-\sqrt{9} + 8)! + 7!/6! = 5 - 4 + 3! \times 21$$

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

$$: (-\sqrt{9} + 8)! + 7 = 6 + 5! - 4 + 3 + 2 \times 1$$

$$: (-\sqrt{9} + 8)! + 7 = 65 + \sqrt{4} \times (32 - 1)$$

$$: 98 \times (7 - 6) + 5 + 4! = 3! \times 21 + 0!$$

$$: 98 - 7 + 6 + 5!/4 = 3! \times 21 + 0!$$
- 128

$$: 1 \times 2^{3+4} = 5! + 6 + 7 - 8 + \sqrt{9}$$
- 128

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

$$: (-\sqrt{9})! + 8)^{7!/6!} = 5 \times 4^{3! - 2} / 10$$

$$: (-\sqrt{9})! + 8)^7 = 6 + 5! - 4 + 3 + 2 + 1$$

$$: (-\sqrt{9})! + 8)^7 = 6 - 5 + 4 \times 32 - 1$$

$$: (-\sqrt{9})! + 8)^7 = 65 + 4^3 - 2 + 1$$

$$: (-\sqrt{9})! + 8)^7 = 65 + 43 + 2 \times 10$$

$$: 98/7 - 6 + 5! = 4 \times 32 \times 1$$

$$: \sqrt{\sqrt{9^8}} + 7 \times 6 + 5 = 4 \times 32 \times 1$$
- 129

$$: 1 + 2^{3+4} = 5!/6 \times 7 - 8 - \sqrt{9}$$

$$: 123 + (\sqrt{4} + 5)! = -6 + (7 + 8) \times 9$$

$$: (\sqrt{9})! \times 8 + 76 + 5 = 43 \times (2 + 1)$$
- 130

$$: (1 + 2^{3!}) \times \sqrt{4} = 5 + 6 + 7 \times (8 + 9)$$

$$: (9 - 8) \times (76 + 54) = (3 + 2)! + 10$$

$$: 9 + (8 - 7)^6 + 5! = 4 + 3! \times 21$$

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

$$: 9 + 8 \times 7 + 65 = 4 + 3! \times 21$$
- 131

$$: 12 + 3 - 4 + 5! = 6 \times 7 + 89$$

$$: \sqrt{9} + 8 \times (7 - 6) + 5! = 4 \times (32 + 1) - 0!$$
- 132

$$: 12 + (3 + \sqrt{4})! = 5! + 6 + 7 + 8 - 9$$

• 132

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

• 133

$$\begin{aligned} &: 123 + \sqrt{4} \times 5 = 6 + 7 + (8 - \sqrt{9})! \\ &: 98 + 7!/6! \times 5 = 4 \times (32 + 1) + 0! \\ &: (-\sqrt{9} + 8)! + 7 + 6 = 5! + 4 - 3 + 2 + 10 \\ &: (-\sqrt{9} + 8)! + 7 + 6 = 5 + 4 \times 32 \times 1 \end{aligned}$$

• 134

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

• 135

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

• 135

$$\begin{aligned} &: 9 \times (8 + 7) = 6 + 5! + 4 + 3 + 2 \times 1 \times 0! \\ &: 9 \times (8 + 7) = 6 + 5 + 4 \times (32 - 1) \\ &: 9 \times (8 + 7) = 65 + (\sqrt{4} + 3 + 2) \times 10 \\ &: 9 \times (8 + 7) = 65 + 4! \times 3 - 2 \times 1 \end{aligned}$$

• 136

$$: (98 \times 7 - 6)/5 = 4 \times (32 + 1 + 0!)$$

• 137

$$: (98 \times 7 - 6)/5 = 4! \times 3! - (2 + 1)! - 0!$$

• 138

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

• 139

$$: \sqrt{\sqrt{9^8}} - 7 + 65 = 4 \times (3!^2 - 1) - 0!$$

• 140

$$\begin{aligned} &: 98/7 + 6 + 5! = (4 + 3) \times 2 \times 10 \\ &: 98/7 + 6 + 5! = 4 \times (3!^2 - 1) \\ &: 98 + 7 \times 6 = 5! + 4 \times (3 \times 2 - 1) \\ &: 98 + 7 \times 6 = 5! + 4 + 3 \times 2 + 10 \\ &: 98 + 7 \times 6 = 5 \times (4 + 3 + 21) \\ &: 98 + 7 \times 6 = 54 \times 3 - 21 - 0! \end{aligned}$$

• 141

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

• 142

$$\begin{aligned} &: -1 \times 2 + 3! \times 4! = 5! - 67 + 89 \\ &: 98 - 76 + 5! = (4 \times 3)^2 - 1 - 0! \\ &: 98 - 76 + 5! = 4! \times 3! - 2 \times 1 \end{aligned}$$

• 143

$$\begin{aligned} &: -1 + (2 + 3)! + 4! = 56 + 78 + 9 \\ &: -1 + 2 \times 3 \times 4! = 56 + 78 + 9 \\ &: 123 + 4 \times 5 = (6 + 7) \times (8 + \sqrt{9}) \end{aligned}$$

• 143

$$\begin{aligned} &: (\sqrt{9} + 8) \times (7 + 6) = -5 + 4 \times (3!^2 + 1) \\ &: (\sqrt{9} + 8) \times (7 + 6) = 5 + 4 \times 32 + 10 \\ &: -9 + 87 + 65 = (4 \times 3)^2 - 1 \end{aligned}$$

• 144

$$\begin{aligned} &: (1 + 2) \times (3 + 45) = 6 \times (7 + 8 + 9) \\ &: 12 \times 3 \times 4 = (56/7 + 8) \times 9 \\ &: 12 \times 3 \times 4 = 5 + 67 + 8 \times 9 \end{aligned}$$

• 144

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

• 145

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

• 146

$$\begin{aligned} &: 1 \times 2 + 3! \times 4! = 5 + 6 + (7 + 8) \times 9 \\ &: -(\sqrt{9})! + 87 + 65 = 4! \times 3! + 2 \times 1 \\ &: -(\sqrt{9})! + 87 + 65 = -4^3 + 210 \end{aligned}$$

• 147

$$\begin{aligned} &: 123 + 4! = 56 \times 7/8 \times \sqrt{9} \\ &: \sqrt{9} \times (8! - 7!)/6! = 5! + 4 + 3 + 2 \times 10 \\ &: \sqrt{9} \times (8! - 7!)/6! = 5! - 4 + 32 - 1 \end{aligned}$$

- **148**
 $: 9 \times 8 + 76 = 5! + 4 + 3 + 21$
 $: 9 \times 8 + 76 = 5! - 4 + 32 \times 1$
 $: \sqrt{9} + 8 - 7 + 6!/5 = 4 \times (3!^2 + 1)$
- **149**
 $: 9 \times 8 + 7 \times (6 + 5) = 4! + 3! \times 21 - 0!$
- **150**
 $: (1 + 2)! + 3! \times 4! = 5 \times 6 \times (7 + 8) / \sqrt{9}$
 $: (12 + 3) \times \sqrt{4} \times 5 = (6 \times 7 + 8) \times \sqrt{9}$
- **150**
 $: 9 + 8 + 7 + 6 + 5! = (4! - 3^2) \times 10$
 $: 9 + 8 + 7 + 6 + 5! = 4! + 3! \times 21$
 $: \sqrt{9} \times (8 + 7 \times 6) = 5 + (4 \times 3)^2 + 1$
 $: \sqrt{9} \times (8 + 7 \times 6) = \sqrt{5 \times (43 + 2)} \times 10$
- **151**
 $: -9 - 8 + 7! / (6 \times 5) = 4! + 3! \times 21 + 0!$
- **152**
 $: (-\sqrt{9})! + 8 \times 76 = 5 + (4 + 3) \times 21$
 $: (-\sqrt{9})! + 8 \times 76 = 54 \times 3! / 2 - 10$
 $: 9 - 8 + 7 + 6! / 5 = 4! \times 3! - 2 + 10$
- **153**
 $: -\sqrt{\sqrt{9^8}} \times 7 + 6! = (54 - 3) \times (2 + 1)$
- **154**
 $: 98 / 7 \times (6 + 5) = (4 \times 3)^2 + 10$
- **156**
 $: 12 + 3! \times 4! = 5! + 6 \times (7 + 8 - 9)$
 $: -(\sqrt{9})!! + 876 = 5! + 4 + 32 \times 1$
 $: -(\sqrt{9})!! + 876 = 5! + \sqrt{(4 + 32)^{1+0!}}$
 $: 98 - 7 + 65 = 4! \times 3! + 2 + 10$
 $: 98 - 7 + 65 = 4! + 3! \times (21 + 0!)$
- **157**
 $: \sqrt{\sqrt{9^8}} + 76 = 5! + 4 + 32 + 1$
- **160**
 $: (98 / 7 - 6) \times 5 \times 4 = 4 \times (3! - 2) \times 10$
- **161**
 $: -1 + 2 \times 3^4 = 5 + 67 + 89$
 $: 9 + 87 + 65 = (4! + 3) \times (2 + 1)! - 0!$
- **162**
 $: 1 \times 2 \times 3^4 = (-5 + 67 - 8) \times \sqrt{9}$
 $: -(\sqrt{9})! \times 8 + 7 \times 6 \times 5 = (4! + 3) \times (2 + 1)!$
- **163**
 $: 1 + 2 \times 3^4 = 5! + 6 \times 7 - 8 + 9$
 $: 98 + (7 + 6) \times 5 = 43 + ((2 + 1)! - 0!)$
- **164**
 $: -(\sqrt{9})! + 8 \times 7 - 6 + 5! = 4! \times 3! + 2 \times 10$
- **165**
 $: \sqrt{9} \times (8 + 7 \times 6 + 5) = 4! \times 3! + 21$
- **166**
 $: (\sqrt{9})!! / 8 + 76 = 5! + 43 + 2 + 1$
 $: (\sqrt{9})!! / 8 + 76 = 5! - 4 + (3 + 2) \times 10$
 $: (\sqrt{9})! - 8 + 7! / (6 \times 5) = 4! \times 3! + 21 + 0!$
- **168**
 $: (1 + 2 \times 3) \times 4! = (56 + 7) \times 8 / \sqrt{9}$
 $: (12 + 3!) \times (4 + 5) + 6 = 7 \times 8 \times \sqrt{9}$
 $: 12 - 3 \times (4 - 56) = 7 \times 8 \times \sqrt{9}$
- **168**
 $: (9 - 8) \times 7! / (6 \times 5) = 4 \times (32 + 10)$
 $: (9 - 8) \times 7! / (6 \times 5) = \sqrt{4^3} \times 21$
 $: \sqrt{9} \times 8 \times 7! / 6! = (5 \times \sqrt{4} + 3)^2 - 1$
 $: \sqrt{9} \times 8 \times 7! / 6! = 5! + 43 + (2 + 1)! - 0!$
 $: \sqrt{9} \times 8 \times 7 = (6 + 5 - 4) \times (3 + 21)$
 $: \sqrt{9} \times 8 \times 7 = (6 - 5) \times 4! / 3 \times 21$
 $: \sqrt{9} \times 8 \times 7 = 6 + 54 \times 3 \times (2 - 1)$
 $: \sqrt{9} \times 8 \times 7 = 6 + 54 \times 3 + 21 \times 0$
- **169**
 $: 1 - 2 + 34 \times 5 = (6 + 7)^{8 - (\sqrt{9})!}$
 $: \sqrt{(1 + 2 \times 3!)^4} = 5! - 6 + 7 + 8 \times (\sqrt{9})!$
- **172**
 $: -\sqrt{9} \times 8 + 76 + 5! = 43 \times (2 + 1 + 0!)$
- **174**
 $: (1 + 2)! \times (34 - 5) = 6 + 7 \times 8 \times \sqrt{9}$
 $: -(1 + 2)! + 3!! / 4 = (5 \times 6 + 7 - 8) \times (\sqrt{9})!$
 $: \sqrt{9} \times (-8 \times 7 - 6 + 5!) = (-4! + 3!!) / (2 \times (1 + 0!))$

- 174
 $: 98 + 76 = 5! + \sqrt{4} \times 3^{2+1}$
 $: 98 + 76 = 5 + (4 + 3^2)^{1+0!}$
 $: 98 + 76 = 54 \times 3 + 2 + 10$
 $: 98 + 76 = 54 + (3 + 2)! \times 1$
 $: 98 + 76 = 54 + 3! \times 2 \times 10$
- 179
 $: 1 - 2 + 3!!/4 = 5! - 6 - 7 + 8 \times 9$
 $: 98 + 76 + 5 = (4! + 3!) \times (2 + 1)! - 0!$
- 180
 $: 12/3 \times 45 = (-6! + 7!)/(8 \times \sqrt{9})$
 $: (\sqrt{12 \times 3})!/4 = 5 \times 6 \times (7 + 8 - 9)$
- 180
 $: ((\sqrt{9})!! - 8)/(-7 + 6 + 5) + \sqrt{4} = 3!!/(2 + 1 + 0!)$
- 180
 $: (9 + 8) \times 7 + 65 - 4 = 3!!/(2 \times (1 + 0!))$
 $: (-9 + 8 + 7) \times 6 \times 5 = (4! + 3!) \times (2 + 1)!$
 $: (-9 + 8 + 7) \times 6 \times 5 = \sqrt{4} \times 3^2 \times 10$
 $: -(\sqrt{9})! + 8 \times 7 + 6 + 5! + 4 = 3!!/(2 \times (1 + 0!))$
 $: \sqrt{\sqrt{9} \times (8 + 7) \times 6!} = 54 + 3! \times 21$
- 182
 $: 1 \times 2 + 3!!/4 = 5! + 67 - 8 + \sqrt{9}$
 $: 1 \times 2 + 3!!/4 = 5 + (67 - 8) \times \sqrt{9}$
 $: 12 + 34 \times 5 = (6 + 7) \times (8 + (\sqrt{9})!)$
- 182
 $: ((\sqrt{9})! + 8) \times (7 + 6) = 5! + 4^3 - 2 \times 1$
 $: ((\sqrt{9})! + 8) \times (7 + 6) = 54 \times 3 + 2 \times 10$
 $: (\sqrt{9})! + 8 + 7!/(6 \times 5) = 4! \times (3! + 2) - 10$
- 183
 $: (12 + 3!!)/4 = 5! - 6 + 78 - 9$
- 184
 $: (9 + 8) \times 7 + 65 = 4 \times (3!^2 + 10)$
- 186
 $: (1 + 2)! + 3!!/4 = 5! + 67 + 8 - 9$
 $: 1 + (2 \times 3)!/4 + 5 = (6 + 7 \times 8) \times \sqrt{9}$
- 186
 $: (\sqrt{9} \times (8 \times 7 + 6)) = (5 - \sqrt{4})! \times (32 - 1)$
 $: (\sqrt{9} \times (8 \times 7 + 6)) = -5 + 4! \times (3! + 2) - 1$
 $: \sqrt{9} \times (8 \times 7 + 6) = 5 + (4 + 3!!)/(2 + 1 + 0!)$
- 187
 $: 1 \times 2 + 3!!/4 + 5 = 67 + (8 - \sqrt{9})!$
- 189
 $: 1 + 2 \times 34 + 5! = (6 + 7 + 8) \times 9$
- 189
 $: 9 \times (8 + 7 + 6) = (5 - \sqrt{4}) \times 3 \times 21$
 $: 9 \times (8 + 7 + 6) = 54/3! \times 21$
 $: \sqrt{\sqrt{9^8} - 7 - 6 + 5!} = -4! + 3 + 210$
- 190
 $: (\sqrt{9})! + 8 \times (-7 + 6 \times 5) = 4! \times (3! + 2) - 1 - 0!$
- 191
 $: -1 + 2^3 \times 4! = 56 + (7 + 8) \times 9$
 $: \sqrt{9} \times (8 \times 7 + 6) + 5 = 4! \times (3! + 2) - 1$
 $: \sqrt{9} \times (8 \times 7 + 6) + 5 = 4^3 \times (2 + 1) - 0!$
- 192
 $: 1 \times 2^3 \times 4! = \sqrt{(5 + 67) \times 8\sqrt{9}}$
 $: -9 + 87 + 6 \times (-5 + 4!) = 3! \times \sqrt{2^{10}}$
 $: -9 + 87 - 6 + 5! = 4^3 \times (2 + 1)$
 $: -9 + 87 - 6 + 5! = 4^3 \times (2 + 1)$
 $: \sqrt{\sqrt{9^8} - 7 - 6 + 5!} + 4 = 3! \times \sqrt{2^{10}}$
- 193
 $: 1 + 2^3 \times 4! = 5 \times 6 \times 7 - 8 - 9$
 $: -(9 + 8) + 7 \times 6 \times 5 = 4! \times (3! + 2) + 1$
 $: -(9 + 8) + 7 \times 6 \times 5 = 4^3 \times (2 + 1) + 0!$
- 194
 $: 9 \times (8 + 7 + 6) + 5 = 4! \times (3! + 2) + 1 + 0!$
- 196
 $: (-\sqrt{9} + 8)! + 76 = 5 + 4! \times (3! + 2) - 1$
- 199
 $: \sqrt{-(\sqrt{9})!! + 8! + 7 - 6} = -5! - \sqrt{4} + 321$

- 200
 $: 9 \times (8 + 7) + 65 = 4 \times (3 + 2) \times 10$
- 201
 $: (12 - 3)^{\sqrt{4}} + 5! = 6! - 7 - 8^{\sqrt{9}}$
- 204
 $: (1 + 2)! \times 34 = 5! + 67 + 8 + 9$
 $: 12 \times (3 \times 4 + 5) = (6 \times 7 - 8) \times (\sqrt{9})!$
 $: \sqrt{9} \times (-8 + 76) = (5 \times 4 - 3) \times (2 + 10)$
 $: \sqrt{9} \times (-8 + 76) = 5 \times (43 - 2) - 1$
 $: \sqrt{9} \times (-8 + 76) = 5 + \sqrt{(\sqrt{4^3})! - (2 + 1)!! + 0!}$
- 206
 $: (\sqrt{9})! + 8 \times 7 + 6!/5 = 4! \times 3^2 - 10$
- 208
 $: 1 + 23 \times (4 + 5) = (-6 + 7!/8) / \sqrt{9}$
 $: (\sqrt{9})! - 8 + 7 \times 6 \times 5 = 4 - 3! + 210$
- 210
 $: (1 + 2 \times 3)! / 4! = 5 \times 6 \times 7 \times (-8 + 9)$
 $: (12 \times 3 + 4 - 5) \times 6 = 7! / (8 \times \sqrt{9})$
 $: (12 + 3! + 4!) \times 5 = 6 \times 7 \times (8 - \sqrt{9})$
- 210
 $: 9 + 87 - 6 + 5! = (4 + 3!) \times 21$
 $: (-\sqrt{9} + 8) \times 7 \times 6 = (-5 + \sqrt{4} \times 3) \times 210$
 $: (-\sqrt{9} + 8) \times 7 \times 6 = 5 \times (43 - 2 + 1)$
- 210
 $: 9 \times (8 + 7) + 6 + 5 + 4^3 = 210$
 $: 9 \times (-8 + 7 \times 6) - 5! + 4 \times 3! = 210$
 $: 9 \times (87 - 65) + 4 \times 3 = 210$
 $: 9 \times 87 - 6! / 5 \times 4 + 3 = 210$
 $: -9 + 8! / (7 \times 6 \times 5) + 4! + 3 = 210$
 $: -9 + 8 + 7! / (6 \times 5) + 43 = 210$
 $: -9 + 8 + 76 + 5 \times (4! + 3) = 210$
 $: \sqrt{-(\sqrt{9})!! + 8! + 7 - 6 + 5 + \sqrt{4} \times 3} = 210$
 $: \sqrt{9} + 8 \times 7 + 6! / 5 + 4 + 3 = 210$
 $: \sqrt{9} - 8 + 7 \times 6 \times 5 + \sqrt{4} + 3 = 210$
 $: \sqrt{9 + 8! + 7!} - 6 - 5 + 4! / 3 = 210$
 $: -\sqrt{\sqrt{9^8}} \times 7 + 6! + 54 + 3 = 210$
 $: (9 + 8) \times (-7 \times 6 + 54) + 3! = 210$
 $: (9 - 8 + 7) \times 6 + 54 \times 3 = 210$
 $: (\sqrt{9})!! / (8 + 7) + 6 \times (5 + 4) \times 3 = 210$
 $: (\sqrt{9})! \times 8 - 7 + 6 + 5! + 43 = 210$
 $: (\sqrt{9} \times 8 - 7) \times \sqrt{6! / 5} + \sqrt{4} \times 3 = 210$
 $: 9 + 87 - 6 + 5! \times (4 - 3) = 210$
- 211
 $: 9 - 8 + 7 \times 6 \times 5 = 4 - 3 + 210$
- 212
 $: 1 \times 23 \times 4 + 5! = (6 + 7!/8) / \sqrt{9}$
 $: -(\sqrt{9})! + 8 + 7 \times 6 \times 5 + 4 = 3!^{2+1}$
- 213
 $: 9 + (8 + 7) \times \sqrt{6! / 5} + 4! = 3 + 210$
 $: -9 + 8 + 7 \times 6 \times 5 + 4 = 3 + 210$
 $: \sqrt{9 + 8! + 7!} = 6 \times (5 + 4! + 3) + 21$
 $: \sqrt{9 + 8! + 7!} = 6 \times 5^{\sqrt{4}} + 3 \times 21$
 $: \sqrt{9 + 8! + 7!} = 6 + 5! + 43 \times 2 + 1$
 $: \sqrt{9 + 8! + 7!} = 6 + 5 \times 43 + 2 - 10$
 $: \sqrt{9 + 8! + 7 \times 6!} = (5 - 4) \times (3 + 210)$
 $: \sqrt{9 + 8! + 7 \times 6!} = 5 \times 43 - 2 \times 1$
- 214
 $: -1 \times 2 + 3!^{\sqrt{4+5}} = (6! - 78) / \sqrt{9}$
 $: (-\sqrt{9})! + 8) \times (-7 - 6 + 5!) = 4! / 3! + 210$
 $: (9 - 8 + 7 \times 6) \times 5 + \sqrt{4} = 3!^{2+1}$

- **215**
 $: -1 + (2 + 3)! - 4! + 5! = 6! + 7 - 8^{\sqrt{9}}$
 $: (9 - 8 + 7 \times 6) \times 5 = 4! \times 3^2 - 1$
 $: (9 - 8 + 7 \times 6) \times 5 = \sqrt{4} + 3 + 210$
 $: 98 + (7 + 6) \times (5 + 4) = 3!^{2+1} - 0!$
- **216**
 $: (1 + 2)!^3 = 4 \times (5 \times 6 + 7 + 8 + 9)$
 $: (1 + 2)!^3 = 4 \times 5 \times 6 + 7 + 89$
 $: (1 + 2)!^3 = 4 + \sqrt{5^6} + 78 + 9$
 $: (1 + 2)!^3 = \sqrt{4} - 5 + 6 + \sqrt{7! + 8! + 9}$
 $: (1 + 23) \times (4 + 5) = (-6 + 78) \times \sqrt{9}$
 $: (12 - 3) \times 4! = 5! \times 6 - 7 \times 8 \times 9$
- **216**
 $: -(\sqrt{9})! + 8 + 7 \times 6 \times 5 + 4 = 3! + 210$
 $: (-\sqrt{9} + 8)! + 76 + 5 \times 4 = 3!^{2+1}$
 $: 9 \times 8 \times \sqrt{\sqrt{76 + 5}} = (\sqrt{4} \times 3)^{2+1}$
 $: 9 \times 8 \times \sqrt{\sqrt{76 + 5}} = \sqrt{4} \times 3 + 210$
 $: 9 + 87 + 6 \times 5 \times 4 = 3! + 210$
 $: \sqrt{(-9 + 8 + 7)^6} = 5 \times 432/10$
 $: \sqrt{(-9 + 8 + 7)^6} = 54 \times (3 + 2 - 1)$
- **217**
 $: 9 + 8 + 76 + 5! + 4 = 3!^{2+1} + 0!$
 $: 98 - 7 + 6 + 5! = 4! \times 3^2 + 1$
 $: 98 - 7 + 6 + 5! = 4 + 3 + 210$
 $: 98 - 7 + 6 + 5 \times 4! = 3!^{2+1} + 0!$
- **218**
 $: (1 + 2)!^3 + \sqrt{4} = 5! + 6 \times 7 + 8! / (\sqrt{9})!!$
 $: 98 \times (7 - 6) + 5! = \sqrt{4} + 3!^{2+1}$
 $: 98 \times (7 - 6) + 5! = \sqrt{4^3} + 210$
- **219**
 $: \sqrt{9} \times (8 + (7 + 6) \times 5) = \sqrt{4} + 3!^{2+1} + 0!$
 $: \sqrt{9 + 8! + 7!} + 6 = 54/3! + 210$
 $: \sqrt{9 + 8! + 7!} + 6 = \sqrt{5 + 4} + 3!^{2+1}$
- **220**
 $: (1 + 2)!^3 + 4 = 5 + 6! + 7 - 8^{\sqrt{9}}$
 $: \sqrt{9} \times 8 + 76 + 5! = 4 + 3!^{2+1}$
 $: \sqrt{9} \times 8 + 76 + 5! = 4 + 3! + 210$
- **221**
 $: 12 \times (-3! + 4!) + 5 = (6 + 7) \times (8 + 9)$
 $: (9 + 8) \times (7 + 6) = 5 \times 43 + (2 + 1)!$
 $: (9 + 8) \times (7 + 6) = 5 + \sqrt{4} \times 3 + 210$
 $: (\sqrt{9} + 8) + 7 \times 6 \times 5 = 4 + 3!^{2+1} + 0!$
- **222**
 $: 9 + 87 + 6 + 5! = 4 \times 3 + 210$
- **224**
 $: \sqrt{9 + 8! + 7!} + 6 + 5 = (4 + 3) \times \sqrt{2^{10}}$
- **225**
 $: \sqrt{(12 + 3)^4} = 5 \times (6 + 7 - 8) \times 9$
 $: 1 \times (2 + 3) \times 45 = (67 + 8) \times \sqrt{9}$
 $: -9 \times ((8 - 7) - 6) \times 5 = ((4! + 3!)/2)^{1+0!}$
- **226**
 $: 1 + (2 + 3) \times 45 = 678/\sqrt{9}$
 $: (-\sqrt{9})! + 8) \times (-7!/6! + 5!) = 4! \times 3^2 + 10$
- **228**
 $: \sqrt{9} \times (87 - 6 - 5) = 4! - 3! + 210$
 $: \sqrt{9} \times (87 - 6 - 5) = 54/3 + 210$
 $: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right) \times 76 = (-5 + 43) \times (2 + 1)!$
- **230**
 $: ((\sqrt{9})!! + 8)/7 + 6 + 5! = \sqrt{4} \times (3 + 2)! - 10$
- **232**
 $: (\sqrt{9})!! - 8 \times 76 + 5! = (-4! + 3!!)/(2 + 1)$
- **233**
 $: -1 + 234 = 5 - 6 + 78 \times \sqrt{9}$
 $: \sqrt{9} \times 8 \times 7 + 65 = (-4! + 3!!)/(2 + 1) + 0!$
- **234**
 $: -1 \times 2 + 3!!/4 + 56 = 78 \times \sqrt{9}$
 $: 1 \times 234 = (5 + 6 + 7 + 8) \times 9$
 $: 9 \times (8 \times 7 - 6 \times 5) = 4 \times 3! + 210$
 $: \sqrt{\sqrt{9^8} - 7!} \times 6 = (5 - 4 + 3)! + 210$
 $: \sqrt{\sqrt{9^8} - 7!} \times 6 = 5! \times \sqrt{4} - 3 \times 2 \times 1$

- 235
 $: 1 + 234 = 5 \times (-6 \times 7 + 89)$
 $: 1 - 2 \times 3 + \sqrt{4} \times 5! = (6! - 7 - 8) / \sqrt{9}$
- 236
 $: -9 + (8! - 7!) / (6! / 5) = \sqrt{4} \times ((3 + 2)! - 1 - 0!)$
- 237
 $: \sqrt{9} \times (8 + 76 - 5) = 4! + 3 + 210$
- 239
 $: -1 + (2 + 3)! \times \sqrt{4} = 5 \times 6 \times (7 - 8 + 9)$
 $: (-\sqrt{9} + 8)! - 7 + 6 + 5! = (4 + 3)! / 21 - 0!$
 $: (-\sqrt{9} + 8)! - 7 + 6 + 5! = \sqrt{4} \times (3 + 2)! - 1$
 $: 9 - 8 + 7 \times (6 \times 5 + 4) = 3!! / (2 + 1) - 0!$
 $: 98 - 7 + 6! / 5 + 4 = 3!! / (2 + 1) - 0!$
- 240
 $: 1 + 234 + 5 = 6 + 78 \times \sqrt{9}$
 $: (1 + 2)!! / 3 = 4 + (\sqrt{5^6} - 7) \times (8 - (\sqrt{9})!)$
 $: (1 + 2)!! / 3 = \sqrt{4} + (5! + 6 - 7) \times (8 - (\sqrt{9})!)$
- 240
 $: (\sqrt{9})!! / \sqrt{8 + 7 - 6} = (5 \times (4 - 3))! \times 2 \times 1$
 $: (\sqrt{9})!! / \sqrt{8 + 7 - 6} = 5 \times \sqrt{4} \times 3 + 210$
 $: -9 + (8! - 7!) / (6! / 5) + 4 = 3!! / (2 + 1)$
 $: \sqrt{9} \times (8 + 7 + 65) = (4 + 3)! / 21$
 $: \sqrt{9} \times (8 + 7 + 65) = 4 \times 3 \times 2 \times 10$
 $: \sqrt{9} - 87 + 6 \times 54 = (3! - 2)! \times 10$
- 241
 $: 1 + (2 + 3)! \times \sqrt{4} = 5 \times (-6 + 7 \times 8) - 9$
 $: (9 - 8)^{76} + 5! \times \sqrt{4} = 3!! / (2 + 1) + 0!$
 $: (-\sqrt{9} + 8)! + 7 - 6 + 5! = (4 + 3)! / 21 + 0!$
 $: (-\sqrt{9} + 8)! + 7 - 6 + 5! = \sqrt{4} \times (3 + 2)! + 1$
- 242
 $: (1 + (2 + 3)!) \times \sqrt{4} = (5 + 6! - 7 + 8) / \sqrt{9}$
 $: (-\sqrt{9})! + 8 \times (7 - 6 + 5!) = \sqrt{4} \times ((3 + 2)! + 1)$
 $: (-\sqrt{9})! + 8 \times (7 - 6 + 5!) = \sqrt{4} + 3!! / (2 + 1)$
- 243
 $: (1 + 2) \times 3^4 = 5 \times 6! / (7 + 8) + \sqrt{9}$
 $: (\sqrt{9})! - 87 + 6 \times 54 = 3^{(2+1)!-0!}$
 $: \sqrt{9} \times (87 - 6) = 5! + (\sqrt{4} + 3)! + 2 + 1$
 $: \sqrt{9} \times (87 - 6) = 5 + \sqrt{4} \times (3 + 2)! - 1 - 0!$
 $: \sqrt{9} \times (87 - 6) = 54 \times 3^2 / (1 + 0!)$
 $: \sqrt{9 + 8! + 7!} + 6 \times 5 = 4 + 3!! / (2 + 1) - 0!$
- 244
 $: (1 + 2)!! / 3 + 4 = \sqrt{5^6} + 7 \times (8 + 9)$
 $: (\sqrt{9})! \times 8 + 76 + 5! = 4 + 3!! / (2 + 1)$
- 245
 $: (1 + 2)!^3 + 4! + 5 = 6 \times (-7 + 8 \times (\sqrt{9})!)$
 $: ((\sqrt{9})! \times 8 + 7 - 6) \times 5 = 4 + 3!! / (2 + 1) + 0!$
- 246
 $: 123 \times \sqrt{4} = 5 \times 67 - 89$
 $: ((\sqrt{9})! \times 8 - 7) \times 6 = (5 \times 4! + 3) \times 2 \times 1$
 $: ((\sqrt{9})! \times 8 - 7) \times 6 = 5! + 4 \times 32 - 1 - 0!$
 $: \sqrt{9} + \left(\sqrt{\sqrt{87 - 6}} \right)^5 = 4^{3! - 2} - 10$
- 247
 $: -\sqrt{9} + (8 + 7 \times 6) \times 5 = (4! + 3!!) / (2 + 1) - 0!$
- 248
 $: \sqrt{9} \times (87 - 6) + 5 = (4! + 3!!) / (2 + 1)$
 $: \sqrt{9} \times (87 - 6) + 5 = 4 \times (3 \times 21 - 0!)$
- 249
 $: 98 + 7 + 6! / 5 = (4! + 3!!) / (2 + 1) + 0!$
- 251
 $: -9 + 8 + 7! \times 6 / 5! = 4 \times 3 \times 21 - 0!$
- 252
 $: 12 \times (-3 + 4!) = (5 + 6 + 7) \times (8 + (\sqrt{9})!)$
 $: -12 + 3! \times 4! + 5! = (6 + 78) \times \sqrt{9}$
 $: 9 + \left(\sqrt{\sqrt{87 - 6}} \right)^5 = 4 \times 3 \times 21$
 $: \sqrt{9} \times (8 + 76) = (5 + 4 + 3) \times 21$
- 253
 $: ((-\sqrt{9} + 8)! + 7! \times 6) / 5! = 43 + 210$

- 254
: $-(\sqrt{9})! + 8 + 7! \times 6/5! = 4^{3!-2} - 1 - 0!$
- 255
: $-1 + (2 - 3!)^4 = ((5 + 6) \times 7 + 8) \times \sqrt{9}$
: $(\sqrt{9} \times (8 + 7) + 6) \times 5 = 4^{3!-2} - 1$
: $(\sqrt{9} \times (8 + 7) + 6) \times 5 = 4^{3+2-1} - 0!$
- 256
: $((\sqrt{9})! - 8)^{7+6-5} = 4 \times (3 \times 21 + 0!)$
: $((\sqrt{9})! - 8)^{7+6-5} = 4^{3+2-1}$
: $(12/3)^4 = 5 \times (-6 + 7 \times 8) + (\sqrt{9})!$
- 257
: $1 + (-2 + 3!)^4 = 5 + 6! - 78 \times (\sqrt{9})!$
: $-\sqrt{9} + 8 + 7! \times 6/5! = 4^{3!-2} + 1$
: $-\sqrt{9} + 8 + 7! \times 6/5! = 4^{3+2-1} + 0!$
- 258
: $(\sqrt{9})! \times 8 + 7 \times 6 \times 5 = 43 \times (2 + 1)! \times 0!$
: $(\sqrt{9})! \times 8 + 7 \times 6 \times 5 = 43 \times (2 + 1)!$
- 259
: $9 + (8 \times 7 - 6) \times 5 = 43 \times (2 + 1)! + 0!$
- 260
: $(1 + 2^{3!}) \times 4 = 5 \times 6 \times 78/9$
: $98 + 7 \times 6 + 5! = \sqrt{4} \times ((3 + 2)! + 10)$
- 261
: $\sqrt{9} \times 87 = 6 \times 5 + 4! - 3 + 210$
: $\sqrt{9} \times 87 = 6 \times 54 - 3 \times 21$
: $\sqrt{9} \times 87 = 6 + 5! \times \sqrt{4} - 3! + 21$
: $\sqrt{9} \times 87 = 6 + 5 + (\sqrt{4} + 3)^2 \times 10$
: $\sqrt{9} \times 87 = 65 + (4 \times 3 + 2)^{1+0!}$
- 263
: $\sqrt{9} + 8 + 7! \times 6/5! = 4! \times (3! \times 2 - 1) - 0!$
- 264
: $\sqrt{1 + (2 + 3)!} \times 4! = (5 + 6) \times (7 + 8 + 9)$
- 264
: $(9 + 8 + 7) \times 6 + 5! = 4! \times (3! \times 2 - 1)$
: $(9 + 8 + 7) \times 6 + 5! = 4! \times (3 - 2 + 10)$
- 265
: $(-9 + 8 \times 7 + 6) \times 5 = 4! + 3!/(2 + 1) + 0!$
- 266
: $1 \times 2 + 3! \times 4! + 5! = (6! + 78)/\sqrt{9}$
: $98 + 7!/(6 \times 5) = 4^{3!-2} + 10$
- 270
: $1 \times 2 \times 3 \times 45 = 6 \times (7 + 8) \times \sqrt{9}$
: $9 \times (8 - 7) \times 6 \times 5 = (4! + 3!/2) \times 10$
: $\sqrt{9} \times (8 + 7) \times 6 = 54 \times (3 + 2) \times 1$
: $\sqrt{9} \times (8 + 7) \times 6 = 54 + 3! + 210$
- 278
: $\sqrt{9 + 8! + 7!} + 65 = 4! \times 3! \times 2 - 10$
- 279
: $\sqrt{9} \times (87 + 6) = (5 + 4) \times (32 - 1)$
: $\sqrt{9} \times (87 + 6) = 5 + 4^3 + 210$
- 280
: $(98 - 7 \times 6) \times 5 = (-4 + 32) \times 10$
- 282
: $12 + 3! \times 45 = 6 \times (7 \times 8 - 9)$
: $(-9 + 8 \times 7) \times 6 = (5! + 4! - 3) \times 2 \times 1$
: $(-9 + 8 \times 7) \times 6 = 5! + (4! + 3) \times (2 + 1)!$
: $-98 + 76 \times 5 = 4! \times 3 + 210$
- 284
: $\sqrt{9} \times (87 + 6) + 5 = (4! \times 3! - 2) \times (1 + 0!)$
- 286
: $(\sqrt{9})! + (8! - 7!)/(6 + 5!) = 4! \times 3! \times 2 - 1 - 0!$
- 287
: $-1 + 2 \times 3! \times 4! = (5 \times 6 + 7) \times 8 - 9$
: $(-9 + 8 \times 7) \times 6 + 5 = 4! \times 3! \times 2 - 1$
- 288
: $12 \times 34 - 5! = 6!/(7 + 8) \times (\sqrt{9})!$
: $(9 \times 8) \times (-7 + 6 + 5) = 4! \times 3! \times 2 \times 1$
: $(9 \times 8) \times (-7 + 6 + 5) = 4! \times 3 \times (2 + 1 + 0!)$
: $(\sqrt{9})!/(8 + 7) \times 6 = (5 + 4) \times 32 \times 1$
: $(\sqrt{9})!/(8 + 7) \times 6 = (5 + 4) \times 32 - 1 + 0!$

- 289
: $9 + 8 \times 7! / (6! / 5) = 4! \times 3! \times 2 + 1$
- 290
: $(-\sqrt{9} + 8) \times (-7 + 65) = (4! + 3 + 2) \times 10$
- 294
: $1 + 2 \times 3! \times 4! + 5 = 6 \times 7^{8-(\sqrt{9})!}$
: $(\sqrt{9})! \times (8! - 7!) / 6! = (5! + 4! + 3) \times 2 \times 1$
: $(\sqrt{9})! \times (8! - 7!) / 6! = (5 + \sqrt{4}) \times (32 + 10)$
- 300
: $(12 + 3) \times 4 \times 5 = 6 \times (7 \times 8 - (\sqrt{9})!)$
: $(9 + 8 - 7) \times 6 \times 5 = (-\sqrt{4} + 32) \times 10$
: $(\sqrt{9})! \times (8 + 7 \times 6) = 5 \times (4 + 3!) \times (2 + 1)!$
: $(\sqrt{9})! \times (8 + 7 \times 6) = 5 \times 4^3 - 2 \times 10$
- 301
: $-9 + (8 \times 7 + 6) \times 5 = 43 \times ((2 + 1)! + 0!)$
- 306
: $(1 + 2)! \times (3! + 45) = (6 \times 7 - 8) \times 9$
: $(9 + 8) \times (7 + 6 + 5) = \sqrt{4} - 3!! + 2^{10}$
: $9 \times (-8 + 7 \times 6) = (54 - 3) \times (2 + 1)!$
: $9 \times (-8 + 7 \times 6) = 5! + (4! + 3!!) / (2 + 1 + 0!)$
- 308
: $98 + 7 \times 6 \times 5 = 4 - 3!! + 2^{10}$
- 311
: $-9 + 8 \times 7! / (6 + 5!) = 4! \times (3! \times 2 + 1) - 0!$
- 312
: $1 \times 2^3 \times 4! + 5! = (6 + 7) \times 8 \times \sqrt{9}$
: $\sqrt{9} \times 8 \times (7 + 6! / 5!) = 4! \times (3! \times 2 + 1)$
: $\sqrt{9} \times 8 \times (7 + 6! / 5!) = 4! \times (3! / 2 + 10)$
: $\sqrt{9} \times 8 \times (7 + 6) = 5 \times 4^3 + 2 - 10$
- 313
: $\sqrt{9} + (8 \times 7 + 6) \times 5 = 4! \times (3! \times 2 + 1) + 0!$
- 314
: $-(\sqrt{9})! + 8 \times 7! / (6 + 5!) = (-4! + 3!)^2 - 10$
- 320
: $(9 + 87) / 6 \times 5 \times 4 = 32 \times 10$
: $-(\sqrt{9})!! + 8 + 7 \times 6! / 5 + 4! = 32 \times 10$
: $-(\sqrt{9})! \times 87 + 6! + 5! + \sqrt{4} = 32 \times 10$
: $(\sqrt{9})! + (8 \times 7 + 6) \times 5 + 4 = 32 \times 10$
: $(-\sqrt{9} + 8 - 7)^6 \times 5 = 4^3 / 2 \times 10$
- 321
: $9 + (8 \times 7 + 6) \times 5 + \sqrt{4} = 321$
: $\sqrt{9} \times (8 \times (7 + 6) - 5) + 4! = 321$
: $\sqrt{9} \times 8 \times (7 + 6) + 5 + 4 = 321$
: $\sqrt{9} \times 87 + 6 + 54 = 321$
- 322
: $-98 + 7! / (6! / 5! \times \sqrt{4}) = 321 + 0!$
- 323
: $(9 + 8) \times (7 + \sqrt{6! / 5}) = \sqrt{4} + 321$
: $(-\sqrt{9} + 8 \times 7) \times 6 + 5 = \sqrt{4} + 321$
- 324
: $12 \times (3 + 4!) = 5 \times 67 - 8 - \sqrt{9}$
: $9 \times (-8 - 76 + 5!) = (4! - 3!)^2 \times 1$
: $9 \times (-8 - 76 + 5!) = 4 + 32 \times 10$
- 325
: $(-\sqrt{9} - 8 + 76) \times 5 = 4 + 321$
- 326
: $\sqrt{9} \times 87 + 65 = 4 + 321 + 0!$
- 327
: $-9 + 8 \times 7 \times 6 = (5! - 4) \times 3 - 21$
: $-9 + 8 \times 7 \times 6 = 5 + \sqrt{4} + 32 \times 10$
- 330
: $(1 + 2) \times (-3! - 4 + 5!) = 6 \times (7 + 8 \times (\sqrt{9})!)$
: $-(\sqrt{9})! + 8 \times 7 \times 6 = (5 - 4 + 32) \times 10$
: $-(\sqrt{9})! + 8 \times 7 \times 6 = 5 + 4 + 321$
- 333
: $-12 + 345 = 6 \times 7 \times 8 - \sqrt{9}$
: $-\sqrt{9} + 8 \times 7 \times 6 = (5 + 4) \times (3!^2 + 1)$
: $-\sqrt{9} + 8 \times 7 \times 6 = 5 + 4! - 3!! + 2^{10}$
: $-\sqrt{9} + 8 \times 7 \times 6 = 543 - 210$
- 335
: $(-1 + 2 \times 34) \times 5 = 67 \times (8 - \sqrt{9})$

- 336

$$\begin{aligned} & : (1 + 23)/4 \times 56 & = 7 \times 8 \times (\sqrt{9})! \\ & : (\sqrt{9})! \times 8 \times 7!/6! & = (-5 + 4! - 3) \times 21 \\ & : (\sqrt{9})! \times 8 \times 7!/6! & = 5 \times 4! + 3! + 210 \\ & : (\sqrt{9})! \times 8 \times 7 & = 6 \times 54 + (3 + 2)!/10 \\ & : (\sqrt{9})! \times 8 \times 7 & = 6 + 5 + 4 + 321 \\ & : \sqrt{9} \times (-8 + (7 - 6) \times 5!) & = 4! \times (3! - 2 + 10) \end{aligned}$$
- 339

$$\begin{aligned} & : -(1 + 2)! + 345 = 6 \times 7 \times 8 + \sqrt{9} \\ & : \sqrt{9} + 8 \times 7 \times 6 = (5! - 4 - 3) \times (2 + 1) \\ & : \sqrt{9} + 8 \times 7 \times 6 = 5 + (4! - 3!)^2 + 10 \end{aligned}$$
- 342

$$\begin{aligned} & : -1 - 2 + 345 & = 6 + 7 \times 8 \times (\sqrt{9})! \\ & : (\sqrt{9})! \times 8 \times 7 + 6 & = 5 - 4! + 3!/2 + 1 \\ & : (\sqrt{9})! + 8! \times (7 - 6)/5! & = (4 + 3)^{2+1} - 0! \\ & : (\sqrt{9})! + 8 \times 7 \times 6 & = (54 + 3) \times (2 + 1)! \\ & : (\sqrt{9})! + 8 \times 7 \times 6 & = 5! + 4 \times 3 + 210 \end{aligned}$$
- 343

$$\begin{aligned} & : -1 \times 2 + 345 & = (6 - 7 + 8)^{\sqrt{9}} \\ & : \sqrt{9} + (-8 + 76) \times 5 & = (4 + 3)^{2+1} \end{aligned}$$
- 344

$$: \sqrt{9} + 8 \times 7 \times 6 + 5 = 43 \times (-2 + 10)$$
- 345

$$\begin{aligned} & : 1^2 \times 345 & = 6 \times 7 \times 8 + 9 \\ & : 9 + 8 \times 7 \times 6!/5! & = 4! + 321 \\ & : 9 + 8 \times 7 \times 6!/5! & = 4! + 321 \\ & : 9 + 8 \times 7 \times 6 & = 5 + (\sqrt{4} + 32) \times 10 \\ & : 9 + 8 \times 7 \times 6 & = 54 \times 3! + 21 \end{aligned}$$
- 346

$$: (\sqrt{9})! + (-8 + 76) \times 5 = 4! + 321 + 0!$$
- 347

$$: (\sqrt{9})! \times 8 \times 7 + 6 + 5 = (-4! + 3!)/2 - 1$$
- 348

$$\begin{aligned} & : -12 + 3!/ \sqrt{4} & = (-5!/6 + 78) \times (\sqrt{9})! \\ & : \sqrt{9} \times (8 \times 7 + \sqrt{6! \times 5}) & = (-4! + 3!)/2 \times 1 \\ & : \sqrt{9} \times (8 \times 7 + \sqrt{6! \times 5}) & = (-4 + 3!)/2 - 10 \end{aligned}$$
- 349

$$\begin{aligned} & : 9 + (-8 + 76) \times 5 = (-4! + 3!)/2 + 1 \\ & : 9 + (-8 + 76) \times 5 = (-4! + 3! + 2)/(1 + 0!) \end{aligned}$$
- 350

$$: 98 + 7 \times 6!/(5 \times 4) = 3!/2 - 10$$
- 351

$$: 9 \times (-87 + 6 + 5! = (\sqrt{4} + 3!)/2 - 10$$
- 352

$$: 9 + (8! + 7!/6)/5! = \text{sqrt}4 + 3!/2 - 10$$
- 353

$$: -9 - 8 + 76 \times 5 = 4 + 3!/2 - 1$$
- 354

$$\begin{aligned} & : (-12 + 3!)/\sqrt{4} = (-5 + 6! - 7)/(8 - (\sqrt{9})!) \\ & : (\sqrt{9} + 8 \times 7) \times 6 = (-\sqrt{5! + 4!} + 3!)/2 \times 1 \\ & : 1 \times 234 + 5! & = 6 \times (7 \times 8 + \sqrt{9}) \end{aligned}$$
- 355

$$: 9 + 8 \times 7 \times 6 = 5 + (\sqrt{4} \times 3)!/2 - 10$$
- 357

$$\begin{aligned} & : -1 - 2 + 3!/ \sqrt{4} = 5 \times (-6 + 78) - \sqrt{9} \\ & : -98 + 7 \times 65 & = (-4 + 3!)/2 - 1 \end{aligned}$$
- 358

$$\begin{aligned} & : (98 + 76 - 5) \times \sqrt{4} & = 3!/2 - 1 - 0! \\ & : (\sqrt{9})! + 8 \times (-76 + 5!) & = (-4 + 3!)/2 \times 1 \\ & : (\sqrt{9})! + 8 \times (-76 + 5!) & = (\sqrt{4} \times 3)!/2 - 1 - 0! \end{aligned}$$
- 359

$$\begin{aligned} & : 1 - 2 + 3!/ \sqrt{4} & = 5 \times 67 + 8 \times \sqrt{9} \\ & : (\sqrt{9})! \times 8 \times 7 - 6 + 5 + 4! & = 3!/2 \times 1 - 0! \\ & : (\sqrt{9})! \times 8 \times 7 - 6 + 5 + 4! & = 3!/2 - 1 \\ & : (-\sqrt{9} + 8) \times (76 - 5) + 4 & = 3!/2 - 1 \\ & : -98 + 7 \times 65 + \sqrt{4} & = 3!/2 - 1 \end{aligned}$$
- 359

$$\begin{aligned} & : (\sqrt{9} + 8 \times 7) \times 6 + 5 = ((\sqrt{4} \times 3)! - 2)/(1 + 0!) \\ & : (\sqrt{9} + 8 \times 7) \times 6 + 5 = (\sqrt{4} \times 3)!/2 - 1 \end{aligned}$$

- 360

$$\begin{aligned} &: (12 + 3) \times 4! = 5! + 6 + 78 \times \sqrt{9} \\ &: 1 \times 2^3 \times 45 = (6 + 7 - 8)! \times \sqrt{9} \\ &: 1 \times 234 + 5! + 6 = 7! / (8 + (\sqrt{9})!) \\ &: (9 \times (8 - 7) - 6) \times 5! = (4 + 32) \times 10 \\ &: (-9 + 8 + 76) / 5 \times 4! = 3!^2 \times 10 \\ &: \sqrt{9} \times (-8 + 7 + 6)! = 5 \times 4 \times (-3 + 21) \\ &: (9 \times (8 - 7) - 6) \times 5! = (\sqrt{4} \times 3)! / 2 \times 1 \\ &: \sqrt{9} \times (-8 + 7 + 6)! = 54 / 3 \times 2 \times 10 \\ &: -\sqrt{9} \times 8 + 76 \times 5 + 4 = 3!! / 2 \times 1 \\ &: -\sqrt{9} \times 8 + 76 \times 5 + 4 = 3!^2 \times 10 \end{aligned}$$
- 361

$$\begin{aligned} &: 9 + (87 + 6 - 5) \times 4 = 3!! / 2 + 1 \\ &: 9 + 8 \times (-76 + 5!) = (4 + 3!!) / 2 - 1 \\ &: 9 + 8 \times (-76 + 5!) = (\sqrt{4} \times 3)! / 2 + 1 \end{aligned}$$
- 362

$$: -\sqrt{9} + 8 \times 7 \times 6 + 5 + 4! = 3!! / 2 + 1 + 0!$$
- 363

$$\begin{aligned} &: 1 + 2 + 3!! / \sqrt{4} = 5 \times (-6 + 78) + \sqrt{9} \\ &: -9 - 8 + 76 \times 5 = 4 + 3!! / 2 - 1 \end{aligned}$$
- 364

$$\begin{aligned} &: ((\sqrt{9})!! + 8) / (7! / 6! - 5) = 4 + 3!! / 2 \times 1 \\ &: ((\sqrt{9})!! + 8) / (7! / 6! - 5) = 4 + 3!^2 \times 10 \end{aligned}$$
- 365

$$: (9 \times 8 + 7 - 6) \times 5 = 4 + 3!! / 2 + 1$$
- 366

$$\begin{aligned} &: (1 + 2)! + 3 \times 4! \times 5 = 6 + 7! / (8 + (\sqrt{9})!) \\ &: (12 + 3!!) / \sqrt{4} = 5 \times (67 + 8) - 9 \\ &: -(\sqrt{9})! - 8 + 76 \times 5 = 4 + 3!! / 2 + 1 + 0! \\ &: 1 + (2 \times 3)! / \sqrt{4} + 5 = 6 + 7! / (8 + (\sqrt{9})!) \end{aligned}$$
- 368

$$: (\sqrt{9})!! + 8 \times (76 - 5!) = (-4 + 3!!) / 2 + 10$$
- 369

$$: \sqrt{9} \times (\sqrt{\sqrt{87 - 6}} + 5!) = (-\sqrt{4} + 3!!) / 2 + 10$$
- 370

$$\begin{aligned} &: (\sqrt{9})! \times (87 - 6) - 5! + 4 = 3!! / 2 + 10 \\ &: -(\sqrt{9})! + 8 \times (7 \times 6 + 5) = (\sqrt{4} \times 3)! / 2 + 10 \\ &: -\sqrt{9} \times 87 + 6 + 5^4 = 3!! / 2 + 10 \end{aligned}$$
- 371

$$\begin{aligned} &: - \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 76 \times 5 = (4! + 3!!) / 2 - 1 \\ &: - \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 76 \times 5 = (\sqrt{4} + 3!!) / 2 + 10 \end{aligned}$$
- 372

$$\begin{aligned} &: ((\sqrt{9})! + 8 \times 7) \times 6 = (5! + 4) \times 3 \times (2 - 1) \\ &: ((\sqrt{9})! + 8 \times 7) \times 6 = 54 \times 3 + 210 \\ &: \sqrt{9} \times (8 + 76) + 5! = (4! + 3!!) / 2 \times 1 \\ &: \sqrt{9} \times (8 + 76) + 5! = \sqrt{4} + 3!! / 2 + 10 \end{aligned}$$
- 374

$$: -\sqrt{\sqrt{9^8}} + 7 \times 65 = 4! + 3!! / 2 - 10$$
- 377

$$: (\sqrt{9})! \times (8 \times 7 + 6) + 5 = (4! - 3!) \times 21 - 0!$$
- 378

$$\begin{aligned} &: (\sqrt{9})! \times (8! + 7!) / 6! = 54 / 3 \times 21 \\ &: \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) \times 7 \times 6 = 5 + (4! + 3!!) / 2 + 1 \end{aligned}$$
- 379

$$: -9 + 8 + 76 \times 5 = (4! - 3!) \times 21 + 0!$$
- 380

$$\begin{aligned} &: (9 - 8) \times 76 \times 5 = (\sqrt{4} + 3!^2) \times 10 \\ &: (-\sqrt{9} + 8) \times 76 = 5 \times 4 + 3!! / 2 \times 1 \\ &: (-\sqrt{9} + 8) \times 76 = 5 \times \sqrt{4} + 3!! / 2 + 10 \end{aligned}$$
- 382

$$: -(\sqrt{9})! + 8 + 76 \times 5 = 4! + 3!! / 2 - 1 - 0!$$
- 383

$$\begin{aligned} &: -9 \times 8 + 7 \times 65 = 4! + 3!! / 2 - 1 \\ &: -9 \times 8 + 7 \times 65 = 4^3 \times (2 + 1)! - 0! \end{aligned}$$

- **384**
 $: 12 \times (3 + 4! + 5) = 6! - 7 \times 8 \times (\sqrt{9})!$
 $: (\sqrt{9})! \times 8 \times (7 + 6 - 5) = 4 \times 3 \times \sqrt{2^{10}}$
 $: (\sqrt{9})! \times 8 \times (7 + 6 - 5) = 4^3 \times (2 + 1)!$
 $: -(\sqrt{9})! \times 8 \times 7 + 6! = (5 + 43) \times (-2 + 10)$
- **385**
 $: (9 - 8 + 76) \times 5 = 4! + 3!!/2 + 1$
 $: (9 - 8 + 76) \times 5 = 4^3 \times (2 + 1)! + 0!$
- **386**
 $: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + 76 \times 5 = 4! + 3!!/2 + 1 + 0!$
- **390**
 $: (9 + 8 \times 7) \times 6 = (5! + 4 + 3!) \times (2 + 1)$
- **392**
 $: 1 + (2 + 3!!)/\sqrt{4} + 5 \times 6 = 7 \times 8! / (\sqrt{9})!!$
- **394**
 $: (\sqrt{9})! + 8 + 76 \times 5 = 4! + 3!!/2 + 10$
- **396**
 $: -9 + (87 - 6) \times 5 = (4! - 3!) \times (21 + 0!)$
- **408**
 $: 12 \times 34 = (5 + 6 - 7)! \times (8 + 9)$
 $: (\sqrt{9})! \times (-8 + 76) = (5! - 4! + 3!!)/2 \times 1$
 $: (\sqrt{9})! \times (-8 + 76) = (54 - 3) \times (-2 + 10)$
- **410**
 $: (\sqrt{\sqrt{9^8}} + 7 - 6) \times 5 = (43 - 2) \times 10$
- **414**
 $: -1 + (2 + 3^4) \times 5 = 6 \times (78 - 9)$
 $: 9 + (87 - 6) \times 5 = \sqrt{4} \times (-3 + 210)$
- **416**
 $: -(\sqrt{9})! \times 8 + 7! / \sqrt{6!/5} = \sqrt{4} \times 3!! - 2^{10}$
- **420**
 $: 12 \times (3 + 4) \times 5 = 6 \times 7! / (8 \times 9)$
 $: 98/7 \times 6 \times 5 = (4! - 3) \times 2 \times 10$
- **422**
 $: -(\sqrt{9})! + 8 + 7! / \sqrt{6!/5} = 432 - 10$
- **426**
 $: -(1 + 2)! + 3 \times (4! + 5!) = 6 \times \sqrt{7! - 8 + 9}$
 $: (\sqrt{9})! + (8 + 76) \times 5 = \sqrt{4} \times (3 + 210)$
- **430**
 $: ((-\sqrt{9} + 8)! + 7!) / \sqrt{6!/5} = \sqrt{43^2} \times 10$
- **431**
 $: -\sqrt{9} \times 8 + 7 \times 65 = 432 - 1$
 $: \sqrt{9 - 8 + 7!} \times 6 + 5 = 432 - 1$
- **432**
 $: (1 + 2 \times 3!) \times 4! + 5! = (-6 + 78) \times (\sqrt{9})!$
 $: 12^3/4 = (5 - 6 + 7) \times 8 \times 9$
 $: (\sqrt{9})! \times 8 \times \sqrt{76 + 5} = 432 \times 1$
 $: (\sqrt{9})! \times 8 \times \sqrt{76 + 5} = 432 \times 1$
 $: 9 \times 8! / 7! \times 6 = 5! \times (4 + 32) / 10$
 $: 9 \times 8! / 7! \times 6 = 54 \times (3^2 - 1)$
- **433**
 $: 9 - 8 \times (7 - \sqrt{6! \times 5}) = 432 + 1$
- **434**
 $: (\sqrt{9})! + 8 + 7 \times \sqrt{6! \times 5} = 432 + 1 + 0!$
- **440**
 $: (\sqrt{9} + 8) \times 7! / (6 + 5!) = (4! - 3)^2 - 1$
 $: (\sqrt{9} + 8) \times 7! / (6 + 5!) = 4 \times ((3 + 2)! - 10)$
- **441**
 $: 9 \times (8! - 7!) / 6! = (5 + 4 + 3! \times 2)^{1+0!}$
 $: 9 \times (8! - 7!) / 6! = 5 \times 4! + 321$
 $: -9 + (8 + 7) \times 6 \times 5 = (4! - 3) \times 21$
- **444**
 $: \left(\sqrt{\sqrt{9^8}} - 7 \right) \times 6 = 5! + (-4! + 3!)^2 \times 1$
 $: \left(\sqrt{\sqrt{9^8}} - 7 \right) \times 6 = 5! + \sqrt{4} + 321 + 0!$
- **450**
 $: (1 + 2) \times (3! + 4!) \times 5 = (6 \times 7 + 8) \times 9$
 $: (9 + 87 - 6) \times 5 = (43 + 2) \times 10$
 $: 9 \times (8 + 7 \times 6) = 5! \times 4 - \sqrt{3^2} \times 10$
 $: 9 \times (8 + 7 \times 6) = 5! + (4! + 3^2) \times 10$
 $: 9 \times (8 + 7 \times 6) = 5\sqrt{4} \times 3! \times (2 + 1)$

- 451
: $((\sqrt{9})! \times 8 - 7) \times (6 + 5) = (4! - 3)^2 + 10$
- 455
: $(9 - 8) \times 7 \times 65 = 4! \times \sqrt{3!!/2 + 1} - 0!$
- 456
: $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)! \times 76 = (-5 + 4!) \times 3 \times (-2 + 10)$
: $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)! \times 76 = 5! \times 4 - 3 - 21$
: $\sqrt{9} \times (87 + 65) = 4! \times (3^2 + 10)$
: $\sqrt{9} \times (87 + 65) = 4! \times \sqrt{3!!/2 + 1}$
- 459
: $-1 + 23 \times 4 \times 5 = 6 \times 78 - 9$
: $-\sqrt{9} \times 87 + 6! = 5! \times 4!/3! - 21$
- 462
: $(1 + 2) \times (34 + 5!) = 6 \times 78 - (\sqrt{9})!$
: $(\sqrt{9} + 8) \times 7 \times 6 = 5! \times 4 + 3 - 21$
: $\sqrt{9} \times (-8 + 7 \times 6 + 5!) = (4! - 3) \times (21 + 0!)$
- 465
: $(12 + 3^4) \times 5 = 6 \times 78 - \sqrt{9}$
- 468
: $(123 - 45) \times 6 = 78 \times (\sqrt{9})!$
: $(-9 + 87) \times 6 = 5! \times 4 - 3! \times 2 \times 1$
: $(-9 + 87) \times 6 = 5! \times 4 - 3 \times 2 \times (1 + 0!)$
: $9 \times (8 - 76 + 5!) = 4 \times (-3 + ((2 + 1)! - 0!))!$
- 470
: $\left(\sqrt{\sqrt{9^8} + 7 + 6}\right) \times 5 = 4 \times (3 + 2)! - 10$
- 471
: $-12 + 3 + 4 \times 5! = 6 \times 78 + \sqrt{9}$
- 472
: $9 + 8 + 7 \times 65 = 4 \times ((3 + 2)! - 1 - 0!)$
- 474
: $-1 \times 2 \times 3 + 4 \times 5! = 6 \times (7 + 8 \times 9)$
: $(9 \times 8 + 7) \times 6 = 5! \times 4 - 3 - 2 - 1$
: $(9 \times 8 + 7) \times 6 = 5! + (5! - 4) \times 3 + (2 + 1)!$
: $(9 \times 8 + 7) \times 6 = 5! + 4! \times 3! + 210$
- 475
: $(-9 + 8 \times (7 + 6)) \times 5 = 4 \times ((3 + 2)! - 1) - 0!$
- 476
: $(-1 + (2 + 3)!) \times 4 = 5 + 6 \times 78 + \sqrt{9}$
- 477
: $-\sqrt{9} + 8!/7! \times \sqrt{6! \times 5} = 4 \times ((3 + 2)! - 1) + 0!$
- 478
: $98 + 76 \times 5 = 4 \times (3 + 2)! - 1 - 0!$
- 479
: $-1 + (2 + 3)! \times 4 = 5 + 6 + 78 \times (\sqrt{9})!$
: $(9 \times 8 + 7) \times 6 + 5 = 4 \times (3 + 2)! - 1$
- 480
: $1 \times (2 + 3)! \times 4 = 5!/6 \times (7 + 8 + 9)$
: $(9 + 8 - 7 - 6) \times 5! = 4 \times (3 + 2)! \times 1$
: $(9 + 8 - 7 - 6) \times 5! = 4 \times 3! \times 2 \times 10$
- 481
: $1 + (2 + 3)! \times 4 = 56 \times 7 + 89$
- 482
: $-(\sqrt{9})! + 8 \times 76 - 5! = \sqrt{4} \times (3!!/(2 + 1) + 0!)$
- 483
: $\sqrt{9} + 8!/7! \times \sqrt{6! \times 5} = 4 \times ((3 + 2)! + 1) - 0!$
- 484
: $-(\sqrt{9} + 8) \times (76 - 5!) = 4 \times ((3 + 2)! + 1)$
- 485
: $(98 - 7 + 6) \times 5 = 4 \times ((3 + 2)! + 1) + 0!$
- 486
: $(1 + 2)! \times 3^4 = (-5 + 67 - 8) \times 9$
: $1 \times 2 \times 3 + 4 \times 5! = 6 \times (78 + \sqrt{9})$
- 486
: $(\sqrt{9})! \times (87 - 6) = 5 + 4 \times (3 + 2)! + 1$
: $(\sqrt{9})! \times (87 - 6) = 54 \times (-3 + 2 + 10)$
: $(\sqrt{9})! \times (87 - 6) = 54 \times 3^2 \times 1$
- 488
: $-(\sqrt{9})!! + 8 \times (7 + 6!/5) = 4 \times ((3 + 2)! + 1 + 0!)$
- 490
: $98 \times (7 - 6) \times 5 = (4 + 3)^2 \times 10$

- 492
 $: 1 \times 2 \times 3! + 4 \times 5! = 6 \times (-7 + 89)$
 $: 12 + 3!!/\sqrt{4} + 5! = 6 \times (-7 + 89)$
 $: 123 \times 4 = 5! + (6 + 7 \times 8) \times (\sqrt{9})!$
 $: 123 \times 4 = \sqrt{5 \times 6!} \times 7 + 8 \times 9$
- 500
 $: (\sqrt{9} \times 8 + 76) \times 5 = 4 \times (3! \times 21 - 0!)$
- 503
 $: 9 \times 8 \times 7 - 6 + 5 = 4 \times 3! \times 21 - 0!$
- 504
 $: (-1 + 23)^{\sqrt{4}} + 5!/6 = 7 \times 8 \times 9$
 $: 12 \times (3 \times 4 - 5) \times 6 = 7 \times 8 \times 9$
 $: 12 \times (-3 + 45) = (6 + 78) \times (\sqrt{9})!$
 $: 12 + 3! + 4 \times 5! + 6 = 7 \times 8 \times 9$
- 504
 $: -(\sqrt{9})! \times 8 \times 7 + 6! + 5! = 4 \times 3! \times 21$
 $: (-\sqrt{9} + 87) \times 6 = 5! \times 4 + 3 + 21$
 $: (-\sqrt{9} + 87) \times 6 = \sqrt{5! + 4!} \times (32 + 10)$
- 504
 $: 9 \times 8 \times 7 = (6 - 5) \times 4 \times 3! \times 21$
 $: 9 \times 8 \times 7 = (6 + 5!) \times (-\sqrt{4 + 32} + 10)$
 $: 9 \times 8 \times 7 = 6 \times (5! - 4 - 32 \times 1)$
 $: 9 \times 8 \times 7 = 6 + 5! \times 4 - 3 + 21$
 $: 9 \times 8 \times 7 = 6 + 5! + (4! - 3!) \times 21$
 $: 9 \times 8 \times 7 = 65 + (4! - 3!)^2 - 1 - 0!$
- 505
 $: (-\sqrt{9} + 8 \times (7 + 6)) \times 5 = 4 \times 3! \times 21 + 0!$
- 507
 $: -\sqrt{9 + 8! + 7!} + 6! = 5! \times 4 + 3! + 21$
- 510
 $: (1 + 2) \times 34 \times 5 = 6 + 7 \times 8 \times 9$
 $: (9 \times 8 \times 7 + 6) \times (5 - 4) = 3!! - 210$
 $: (9 + 87 + 6) \times 5 = (\sqrt{4} \times 3!) - 210$
 $: -(\sqrt{9})! + 8\sqrt{\sqrt{76+5}} + 4 = 3!! - 210$
 $: 9 \times 8 \times 7 + 6 = (5 - 4) \times 3!! - 210$
 $: 9 \times 8 \times 7 + 6 = 5 \times (-4! + 3! \times 21)$
 $: \sqrt{\sqrt{9^8}} \times (7 - 6 + 5) + 4! = 3!! - 210$
- 511
 $: -1 + 2^{3 \times \sqrt{4+5}} = 6 - 7 + 8\sqrt{9}$
 $: -1 + 2^{\sqrt{3^4}} = 5 \times (6 + 7) \times 8 - 9$
- 512
 $: (1 + 2^{3!} + 4!) \times 5 + 67 = 8\sqrt{9}$
 $: (-12 + 3!!)/4 + 5 \times 67 = 8\sqrt{9}$
 $: (12 + 3 \times 4) \times 5 + 56 \times 7 = 8\sqrt{9}$
 $: (\sqrt{12/3})^{4+5} = (-6 + 7) \times 8\sqrt{9}$
 $: 1 \times 2^{\sqrt{3^4}} = (5 \times 6 / (7 + 8))^9$
 $: 1 \times 2 + 3 + 4 \times \sqrt{5^6} + 7 = 8\sqrt{9}$
- 512
 $: (-\sqrt{9})! + 8)^{\sqrt{76+5}} = 4^3 \times (-2 + 10)$
 $: (-\sqrt{9})! + 8)^{\sqrt{76+5}} = \sqrt{4^{3^2}} \times 1$
- 513
 $: 1 + 2^{\sqrt{3^4}} = (56 - 7 + 8) \times 9$
 $: 9 \times (87 - 6 \times 5) = \sqrt{4^{3^2}} + 1$
 $: -9 + 87 \times 6 = 5! \times 4 + 32 + 1$
 $: -9 + 87 \times 6 = 5 + 4 \times (3! \times 21 + 0!)$
- 519
 $: 1 + 2^{3 \times \sqrt{4+5}} + 6 = 7 + 8\sqrt{9}$
 $: -\sqrt{9} + 87 \times 6 = (5 + 4)^3 - 210$
 $: -\sqrt{9} + 87 \times 6 = 5 + 4 + 3!! - 210$
- 520
 $: (9 - 8 + 7) \times 65 = 4 \times ((3 + 2)! + 10)$
- 522
 $: (1 + 2) \times 3! \times (4! + 5) = 6 \times (78 + 9)$
- 522
 $: (\sqrt{9})! \times 87 = (6 - 5) \times \sqrt{4^{3^2}} + 10$
 $: (\sqrt{9})! \times 87 = (6 + 5!) \times 4 - 3 + 21$
 $: (\sqrt{9})! \times 87 = 6! + 5 + 4 + 3 - 210$
 $: (\sqrt{9})! \times 87 = 6 \times 5 + 4 \times (3 + ((2 + 1)! - 0!))!$
 $: (\sqrt{9})! \times 87 = 6 + 5! \times 4 + 3!^2 \times 1$
 $: (\sqrt{9})! \times 87 = 6 + 5! \times 4 + 3 \times (2 + 10)$
 $: (\sqrt{9})! \times 87 = 6 + 5 + \sqrt{4^{3^2}} - 1$
 $: (\sqrt{9})! \times 87 = 65 + 4! \times \sqrt{3!!/2 + 1} + 0!$
- 525
 $: \sqrt{9} + 87 \times 6 = 5 \times (\sqrt{4} + 3) \times 21$

- 527
: $-1 + 2 \times (3! \times 4! + 5!) = 67 \times 8 - 9$
- 528
: $(\sqrt{9})! \times (87 + 6 - 5) = 4! \times (32 - 10)$
: $(\sqrt{9})! \times 87 + 6 = 5! + 4! \times (-3 + 2 \times 10)$
: $(\sqrt{9})! + 87 \times 6 = (5 \times 4 + 3)^2 \times 1 - 0!$
: $(\sqrt{9})! + 87 \times 6 = (5 \times 4 + 3)^2 - 1$
- 529
: $1 \times 23^{\sqrt{4}} = 5 \times (6 + 7) \times 8 + 9$
- 529
: $9 + 8 \times (7 + 6) \times 5 = (4! - 3 + 2)^{1+0!}$
- 530
: $1 + 23^{\sqrt{4}} = 5 + 6 + 7 + 8^{\sqrt{9}}$
- 531
: $9 + 87 \times 6 = 543 - 2 - 10$
- 533
: $(-1 + 23) \times 4! + 5 = 67 \times 8 - \sqrt{9}$
- 534
: $1 \times 23^{\sqrt{4}} + 5 = (-6! + 7!)/8 - (\sqrt{9})!$
: $9 \times 8 \times 7 + 6 \times 5 = 4! + 3!! - 210$
- 539
: $-1 + 2 \times 3! \times 45 = 67 \times 8 + \sqrt{9}$
- 540
: $1 \times 2 \times 3! \times 45 = 6 \times (7 + 8) \times (\sqrt{9})!$
: $(\sqrt{9} + 8 + 7) \times 6 \times 5 = (4! + 3) \times 2 \times 10$
: $(\sqrt{9} + 87) \times 6 = 54 \times (3 - 2) \times 10$
: $(\sqrt{9} + 87) \times 6 = 543 - 2 - 1$
- 543
: $-1 + 2^{3!} + 4 \times 5! = (-6! + 7!)/8 + \sqrt{9}$
- 545
: $(1 + 2)!! \times 3/4 + 5 = 67 \times 8 + 9$
- 546
: $(98 - 7) \times 6 = 5! + \sqrt{4} \times (3 + 210)$
: $(98 - 7) \times 6 = 543 + 2 + 1$
- 551
: $-1 + 23 \times 4! = 5 + (-6! + 7!)/8 + (\sqrt{9})!$
: $(98 - 7) \times 6 + 5 = 4! \times ((3! - 2)! - 1) - 0!$
- 552
: $1 \times 23 \times 4! = 5! + 6 \times (78 - (\sqrt{9})!)$
: $12 \times 3! + 4 \times 5! = 6! - 7 \times 8 \times \sqrt{9}$
: $(\sqrt{9})! \times 87 + 6 \times 5 = 4! \times ((3! - 2)! - 1)$
: $(\sqrt{9})! \times 87 + 6 \times 5 = 4! \times (3 + 2 \times 10)$
: $-\sqrt{9} \times 8 \times 7 + 6! = (5! + 432) \times 1$
: $-\sqrt{9} \times 8 \times 7 + 6! = 5! + 432 \times 1$
- 553
: $98 + 7 \times 65 = 4! \times ((3! - 2)! - 1) + 0!$
- 558
: $1 + 23 \times 4! + 5 = (6 + 7 \times 8) \times 9$
: $9 \times (8 \times 7 + 6) = (5! - 4! - 3) \times (2 + 1)!$
: $9 \times (8 \times 7 + 6) = (5! - 4) \times 3 + 210$
- 560
: $(1 + 2 \times 3)!/(4 + 5) = (6 - 7 + 8)!/9$
- 566
: $\sqrt{\sqrt{98}} \times 7 - 6 + 5 = (4 \times 3!)^2 - 10$
- 567
: $9 \times (8! + 7!)/6! = (5 + 4) \times 3 \times 21$
: $-9 + 8 \times (7 + 65) = (4! + 3) \times 21$
: $\sqrt{\sqrt{98}} \times 7 = (65 - \sqrt{4}) \times 3^2 \times 1$
: $\sqrt{\sqrt{98}} \times 7 = 6! - (5! - 43) \times 2 + 1$
: $\sqrt{\sqrt{98}} \times 7 = 6 + 5! \times \sqrt{4} + 321$
: $\sqrt{\sqrt{98}} \times 7 = 6 + 5^4 - 3 \times 21 - 0!$
- 573
: $\sqrt{\sqrt{98}} \times 7 + 6 = 5 + (4! + 3) \times 21 + 0!$
- 574
: $(\sqrt{9})! + 8 \times (76 - 5) = (4 \times 3!)^2 - 1 - 0!$
- 575
: $-1 + (-2 + 3)! \times 4! = 56 + 7 + 8^{\sqrt{9}}$
- 576
: $(1 + 23)^{\sqrt{4}} = 56/7 \times 8 \times 9$
: $12 \times (3 + 45) = 6 \times (7 + 89)$
: $(9 + 87) \times 6 = (5! - 4!) \times (3 + 2 + 1)$
: $(\sqrt{9} + 8 - 7) \times 6!/5 = 4! \times (3 + 21)$
: $9 - 87 + 654 = (3! - 2)!^{1+0!}$

- 577
 $: 1 + (-2 + 3!)! \times 4! = \sqrt{-5 + 6 + 7!} \times 8 + 9$
 $: 9 + 8 \times (76 - 5) = (4 \times 3!)^2 + 1$
 $: 9 + 8 \times (76 - 5) = 4! \times (3 + 21) + 0!$
- 578
 $: \sqrt{\sqrt{9^8}} \times 7 + 6 + 5 = 4! \times (3! - 2)! + 1 + 0!$
- 582
 $: ((\sqrt{9})!!/8 + 7) \times 6 = (5! + 4) \times 3 + 210$
 $: ((\sqrt{9})!!/8 + 7) \times 6 = 5 + (4 \times 3!)^2 + 1$
- 585
 $: (1 + 2 \times 3!) \times 45 = 6! - (7 + 8) \times 9$
 $: -9 \times (8 + 7) + 6! = 5 \times (-4 + (3 + 2)! + 1)$
 $: -9 \times (8 + 7) + 6! = 5 + 4 + (3! - 2)!^{1+0!}$
- 588
 $: ((\sqrt{9})! + 8) \times 7 \times 6 = (\sqrt{5^4} + 3) \times 21$
- 592
 $: ((\sqrt{9})! - 8)^7 + 6! = 5^4 - 32 - 1$
- 593
 $: -(-\sqrt{9} + 8)! - 7 + 6! = 5^4 - 32 \times 1$
 $: -(-\sqrt{9} + 8)! - 7 + 6! = 5^4 - 32 + 1 - 0!$
- 594
 $: 9 \times (8 - 7 + 65) = (4! + 3) \times (21 + 0!)$
- 599
 $: -9 + 8 \times 76 = 5 \times 4! \times (3 + 2) - 1$
 $: -9 + 8 \times 76 = \sqrt{5^4} \times (3! - 2)! - 1$
- 600
 $: 12 \times (3! + 4) \times 5 = 6! - ((7 + 8)/\sqrt{9})!$
 $: -((\sqrt{9})! - 8 + 7)! + 6! = (54 + 3 \times 2) \times 10$
 $: -((\sqrt{9})! - 8 + 7)! + 6! = \sqrt{5^4} \times (3 + 21)$
 $: (98 - 7) \times 6 + 54 = 3!! - ((2 + 1)! - 0!)!$
 $: (\sqrt{9})!! \times (8 - 7)/6 \times 5 = 4! \times ((3! - 2)! + 1)$
- 600
 $: -(-\sqrt{9} + 8)! - 7 + 6! + 5 + \sqrt{4}$
 $= 3!! - ((2 + 1)! - 0!)!$
 $: (\sqrt{9})!! \times (8 - 7)/6 \times 5$
 $= (\sqrt{4} + 3)! \times ((2 + 1)! - 0!)!$
- 601
 $: -(9 + 8) \times 7 + 6! = 5 \times 4! \times (3 + 2) + 1$
 $: -(9 + 8) \times 7 + 6! = 5^4 - 3 - 21$
 $: -(9 + 8) \times 7 + 6! = 5 - 4 + 3!! - ((2 + 1)! - 0!)!$
- 602
 $: -(\sqrt{9})! + 8 \times 76 = 5^4 - 3 - 2 \times 10$
- 604
 $: -9 + 8 \times 76 + 5 = (4 + 3!!) - ((2 + 1)! - 0!)!$
- 605
 $: -\sqrt{9} + 8 \times 76 = 5 \times ((\sqrt{4} + 3)! + 2 - 1)$
 $: -\sqrt{9} + 8 \times 76 = 5 \times (4! \times (3 + 2) + 1)$
- 607
 $: -(-\sqrt{9} + 8)! + 7 + 6! = 5^4 + 3 - 21$
 $: -(-\sqrt{9} + 8)! + 7 + 6! = 5^4 - 3! - 2 - 10$
- 607
 $: -(-\sqrt{9} + 8)! + 7 + 6!$
 $= 5 + \sqrt{4} + 3!! - ((2 + 1)! - 0!)!$
- 611
 $: \sqrt{9} + 8 \times 76 = 5 \times ((\sqrt{4} + 3)! + 2) + 1$
 $: \sqrt{9} + 8 \times 76 = 5^4 + 3! - 2 \times 10$
- 612
 $: 9 \times (-8 + 76) = (54 - 3) \times (2 + 10)$
- 614
 $: (\sqrt{9})! + 8 \times 76 = 5^4 - 3! \times 2 + 1$
 $: (\sqrt{9})! + 8 \times 76 = 5^4 - 3 + 2 - 10$
- 615
 $: -98 - 7 + 6! = 5^4 - 3^2 - 1$
 $: -98 - 7 + 6! = 5^{4 \times (3-2)} - 10$
- 617
 $: 9 + 8 \times 76 = 5^4 - 3^2 + 1$
 $: 9 + 8 \times 76 = 5^4 + \sqrt{3! - 2} - 10$
- 620
 $: -98 - 7 + 6! + 5 = (4^3 - 2) \times 10$
- 621
 $: -123 + (4 + 5!) \times 6 = 7!/8 - 9$
 $: \sqrt{123\sqrt{4}} \times 5 + 6 = 7!/8 - 9$

• 622

$$\begin{aligned} & : (-\sqrt{9})! - 8 \times 7 + 6! = 5^4 - 3! + 2 + 1 \\ & : (-\sqrt{9})! - 8 \times 7 + 6! = 5^4 - 3 + 21 \times 0 \end{aligned}$$

• 623

$$\begin{aligned} & : -(1+2) \times 34 + 5 + 6! = 7 \times 89 \\ & : -(\sqrt{9})!!/8 - 7 + 6! = 5^4 - 3 + 2 - 1 \\ & : -(\sqrt{9})!!/8 - 7 + 6! = -5 - \sqrt{4} + 3 \times 210 \end{aligned}$$

• 624

$$\begin{aligned} & : (1+23) \times (-4+5 \times 6) = 7!/8 - (\sqrt{9})! \\ & : -1 + (2+3)^4 = 5! \times 6 - 7 - 89 \\ & : -9 - 87 + 6! = 5^4 \times (3-2) - 1 \\ & : -9 - 87 + 6! = 5^4 + 3^2 - 10 \end{aligned}$$

• 625

$$: 1 \times (2+3)^4 = 5 \times (6+7 \times (8+9))$$

• 626

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

• 627

$$: 1 \times 23 + 4 - 5! + 6! = 7!/8 - \sqrt{9}$$

• 629

$$\begin{aligned} & : -1 + (2+3)^4 + 5 = 6 + 7 \times 89 \\ & : -98 + 7 + 6! = 5^4 + 3 + 2 - 1 \\ & : -98 + 7 + 6! = 5 + 4! \times (3!^2 - 10) \\ & : -9 - 87 + 6! + 5 = (4! + 3!) \times 21 - 0! \end{aligned}$$

• 630

$$\begin{aligned} & : 1 \times (2+3)^4 + 5 = 6! - (7+8) \times (\sqrt{9})! \\ & : (9+87) \times 6 + 54 = 3 \times 210 \\ & : (98+7) \times 6 = (54+3^2) \times 10 \\ & : (98+7) \times 6 = 5 \times \sqrt{4} \times 3 \times 21 \\ & : (98+7) \times 6 = 5 + (\sqrt{4}+3)^{2 \times (1+0!)} \\ & : (\sqrt{9})!!/8 \times 7 = 654 - 3 - 21 \\ & : 9 \times 8 \times 7 + 6 + 5! = (4! + 3!) \times 21 \\ & : 9 \times 8 \times 7 + 6 + 5! = (4+3)!/(-2+10) \\ & : -9 - 8 - 7 + 654 = 3 \times 210 \end{aligned}$$

• 630

$$\begin{aligned} & : -(\sqrt{9})!!/8 - 7 + 6! + 5 + \sqrt{4} = 3 \times 210 \\ & : (\sqrt{9})! \times (87-6) + 5! + 4! = 3 \times 210 \end{aligned}$$

• 632

$$\begin{aligned} & : -\sqrt{\sqrt{9^8}} - 7 + 6! = 5! + \sqrt{4^{3^2}} \times 1 \\ & : -\sqrt{\sqrt{9^8}} - 7 + 6! = 5^4 + 3! + 2 - 1 \end{aligned}$$

• 633

$$\begin{aligned} & : -1 \times 23 \times 4 + 5 + 6! = 7!/8 + \sqrt{9} \\ & : 1 + 2^{\sqrt{3^4}} + 5! = 6! - 78 - 9 \end{aligned}$$

• 634

$$: -98 + 7 + 6! + 5 = 4 + 3 \times 210$$

• 636

$$\begin{aligned} & : 1 \times 2 + 34 - 5! + 6! = 7!/8 + (\sqrt{9})! \\ & : 12 + 3!! + 4! - 5! = 6! - 78 - (\sqrt{9})! \\ & : \sqrt{9} - 87 + 6! = 5! + 43 \times (2+10) \\ & : \sqrt{9} - 87 + 6! = 5^4 + 3! \times 2 - 1 \end{aligned}$$

• 637

$$\begin{aligned} & : -(\sqrt{9})!!/8 + 7 + 6! = 5^4 + \sqrt{3! - 2} + 10 \\ & : -(\sqrt{9})!!/8 + 7 + 6! = -5 + \sqrt{4} \times 321 \end{aligned}$$

• 638

$$: (-1+23) \times (4!+5) = 6! + 7 - 89$$

• 639

$$\begin{aligned} & : -1 + 2^{3+4} \times 5 = 6! \times 7/8 + 9 \\ & : (\sqrt{9})! - 87 + 6! = 5 \times 4 \times 32 - 1 \\ & : (\sqrt{9})! - 87 + 6! = 5 + 4 + 3 \times 210 \end{aligned}$$

• 640

$$: (-\sqrt{9})!! + 8 + 7!/6 \times 5 = \sqrt{4} \times 32 \times 10$$

• 641

$$\begin{aligned} & : 1 + 2^{3+4} \times 5 = 6! - 7 - 8 \times 9 \\ & : -9 \times 8 - 7 + 6! = 5 \times 4 \times 32 + 1 \\ & : -9 \times 8 - 7 + 6! = 5^4 + 3 \times 2 + 10 \\ & : \sqrt{9} - 87 + 6! + 5 = \sqrt{4} \times 321 - 0! \end{aligned}$$

• 642

$$\begin{aligned} & : 9 - 87 + 6! = 5 \times 4 \times 32 + 1 + 0! \\ & : 9 - 87 + 6 \times 5! = \sqrt{4} \times 321 \end{aligned}$$

• 643

$$\begin{aligned} & : -(\sqrt{9}+8) \times 7 + 6! = 5^4 - 3 + 21 \\ & : -9 \times 8!/7! + 6! = 5 + \sqrt{4} \times 321 + 0! \end{aligned}$$

- 644
: $(\sqrt{9})!! - 87 + 6 + 5 = \sqrt{4} \times (321 + 0!)$
- 645
: $(1 + 2^{3+4}) \times 5 = 6 + 7!/8 + 9$
- 646
: $-\sqrt{\sqrt{9^8}} + 7 + 6! = 5 \times 43 \times (2 + 1) + 0!$
: $-\sqrt{\sqrt{9^8}} + 7 + 6! = 5^{4!/3!} + 21$
- 647
: $9 - 87 + 6! + 5 = 4! \times 3^{2+1} - 0!$
- 648
: $(1 + 2)^3 \times 4! = (5 \times 6 + 78) \times (\sqrt{9})!$
: $(1 + 2)^3 \times 4! = 5 + 6! - 7 \times (8 + \sqrt{9})$
: $-1 + 23\sqrt{4} + 5! = 6 - 78 + (\sqrt{9})!!$
: $12 \times 3! \times (4 + 5) = (-6 + 78) \times 9$
: $-9 \times 8!/7! + 6! = 5^4 + 3 + 2 \times 10$
: $9 \times 8 \times \sqrt{76+5} = 4! \times (3! + 21)$
: $9 \times 8 \times \sqrt{76+5} = 4! \times 3^{2+1}$
- 649
: $1 \times 23\sqrt{4} + 5! = 6! - \sqrt{7! - 8 + 9}$
: $(\sqrt{9} + 8 \times 7) \times (6 + 5) = 5^4 + 3 + 21$
: $-\sqrt{9 - 8 + 7!} + 6! = 4! \times 3^{2+1} + 0!$
- 650
: $1 + 23\sqrt{4} + 5! = 6! - 7!/(8 \times 9)$
- 654
: $(\sqrt{9})! \times (8 \times (7 + 6) + 5) = 4! + 3 \times 210$
- 655
: $-1 - 2^3! + (\sqrt{4+5})!! = ((6! + 7) - (8 \times 9))$
: $-9 \times 8 + 7 + 6! = 5^4 + 32 - 1 - 0!$
- 658
: $-(\sqrt{9})! - 8 \times 7 + 6! = 5^4 + 32 + 1$
- 660
: $-9 \times 8 + 7 + 6! + 5 = (4^3 + 2) \times 10$
- 661
: $-\sqrt{9} - 8 \times 7 + 6! = 5^4 + 3!^2 \times 1$
: $-\sqrt{9} - 8 \times 7 + 6! = 5^4 + 3 \times (2 + 10)$
- 665
: $-(\sqrt{9})! \times 8 - 7 + 6! = 5 + (4^3 + 2) \times 10$
- 667
: $1 \times 23 \times (4! + 5) = 6! - 7 \times 8 + \sqrt{9}$
: $\sqrt{9} - 8 \times 7 + 6! = 5^4 + 32 + 10$
- 670
: $(\sqrt{9})! - 8 \times 7 + 6! = (5 + 4^3 - 2) \times 10$
- 671
: $-1 + 23 \times 4! + 5! = 6! + (7! - 8!)/(\sqrt{9})!!$
: $-1 + 23 \times 4! + 5! = 6! - 7^{8-(\sqrt{9})!}$
- 672
: $1 \times 23 \times 4! + 5! = 678 - (\sqrt{9})!$
: $1 \times 23 \times 4! + 5! = 678 - (\sqrt{9})!$
: $(\sqrt{9})!! - 8!/7! \times 6 = (5 + 4! + 3) \times 21$
: $(\sqrt{9})! \times (8 \times (-7 + 6) + 5!) = 4! \times (3^{2+1} + 0!)$
- 673
: $1 + 23 \times 4! + 5! = 6! - 7 \times 8 + 9$
- 675
: $(12 + 3) \times 45 = (67 + 8) \times 9$
: $-\sqrt{9} \times (8 + 7) + 6! = \sqrt{5^4} \times 3^{2+1}$
- 678
: $((-\sqrt{9} + 8)! - 7) \times 6 + 5 \times 4 = 3!! - 21 - 0!$
- 679
: $-(\sqrt{9})! \times 8 + 7 + 6! = 5 - 4! + 3!! - 21 - 0!$
- 680
: $98 \times 7 = 6 + 5 \times 4 \times (32 + 1 + 0!)$
- 684
: $12 \times 3 \times (4! - 5) = 678 + (\sqrt{9})!$
: $\left(\sqrt{\sqrt{\sqrt{9^8}}}\right) \times 76 = (-5 + 4!) \times 3!^2 \times 1$
: $\left(\sqrt{\sqrt{\sqrt{9^8}}}\right) \times 76 = 54 + 3 \times 210$

- 686
 $: 98 \times 7!/6! = (5 + \sqrt{4})^3 \times 2 \times 1$
 $: 98 \times 7 = 6 \times 5 - 4^3 + (2 + 1)!!$
 $: 98 \times 7 = 6 + 5! + (4! + 32) \times 10$
 $: 98 \times 7 = 6 + 5 - 4! + 3!! - 21$
 $: 98 \times 7 = 654 + 32 \times 1$
 $: 98 \times 7 = \sqrt{6! \times 5} - 4 + 3 \times 210$
- 688
 $: (\sqrt{9})!! + 8!/(-7!/6 + 5!) + 4! = 3!! - \sqrt{2^{10}}$
 $: 9 \times (87 - 6 - 5) + 4 = 3!! - \sqrt{2^{10}}$
 $: -\sqrt{9} \times 8 - 7 + 6! - 5 + 4 = 3!! - \sqrt{2^{10}}$
- 689
 $: -1 + 2 \times 345 = 6! - 7 - 8 \times \sqrt{9}$
- 692
 $: 98 \times 7 + 6 = 4 + 3!! - \sqrt{2^{10}}$
 $: 98 \times 7 + 6 = 5! - 4 + (3! - 2)!^{1+0!}$
- 695
 $: (\sqrt{9})!! + (8 - 7 - 6) \times 5 = -4! + (3 \times 2)! - 1$
- 696
 $: (\sqrt{9})! \times 8 \times (-7 + 65)/4 = 3!! - (2 + 1 + 0)!'$
 $: -9 - 8 - 7 + 6! = (5 + 4!) \times (3 + 21)$
- 698
 $: 9 \times 8 + 7 - 6 + 5^4 = 3!! - 21 - 0!$
 $: -\sqrt{9} \times 8 - 7 + 6! + 5 + 4 = 3!! - 21 - 0!$
- 699
 $: (\sqrt{9})!! + (8 - 7 - 6) \times 5 + 4 = 3!! - 21$
 $: -(\sqrt{9})! \times 8 + 7 + 6! + 5 \times 4 = 3!! - 21$
 $: (\sqrt{9})! - 8 \times 7 + 6! + 5 + 4! = 3!! - 21$
 $: -(\sqrt{9})! - 8 - 7 + 6 \times 5! = (\sqrt{4} \times 3)! - 21$
- 700
 $: (9 + 87) \times 6 + 5! + 4 = 3!! - 2 \times 10$
 $: (98 + 7 \times 6) \times 5 = (\sqrt{4} \times 3)! - 2 \times 10$
 $: (\sqrt{9})!! - 8 \times 7 + \sqrt{6!/5} + 4! = 3!! - 2 \times 10$
 $: 98 \times 7 - 6 + 5 \times 4 = 3!! - 2 \times 10$
- 702
 $: 1 \times 2 \times (345 + 6) = 78 \times 9$
 $: (1 + 2) \times (-3! + \sqrt{4} \times 5!) = 6! - 7 - 8 - \sqrt{9}$
 $: (12 - 3!) \times (-4 + 5!) + 6 = 78 \times 9$
 $: (\sqrt{9})! \times (87 + 6 \times 5) = \sqrt{4} + 3!! - 21 + 0!$
- 703
 $: -\sqrt{9} \times 8 + 7 + 6! = 5 - 4! + (3 \times 2)! + 1 + 0!$
- 704
 $: -(\sqrt{9})! - 8 - 7 + 6! + 5 = 4 + 3!! - 21 + 0!$
 $: \left(-\sqrt{\sqrt{\sqrt{98}}} \right) - 7 + 6! = (\sqrt{5 + 4})! + 3!! - 21 - 0!$
 $: \left(-\sqrt{\sqrt{\sqrt{98}}} \right) - 7 + 6! = 5 + (\sqrt{4} \times 3)! - 21$
- 705
 $: (\sqrt{9})!! - 8 - 7!/6! = 5^4 + (3! + 2) \times 10$
- 706
 $: -98/7 + 6! = 5! + (4 \times 3!)^2 + 10$
 $: -98/7 + 6! = 5 + \sqrt{4} + 3!! - 21$
- 708
 $: -12 + 3!! = (-4 + 5) \times 6 + 78 \times 9$
 $: -12 + 3!! = 4! + 5 + 6! + 7 - 8 \times (\sqrt{9})!$
 $: -12 + 3!! = 4! - 5 + 6! - 7 - 8 \times \sqrt{9}$
 $: -12 + 3!! = 4 + 5 + 6! - 7 - 8 - (\sqrt{9})!$
 $: -12 + 3!! = \sqrt{4} + (5 - 6 + 7)! - 8 - (\sqrt{9})!$
- 708
 $: -12 + 3!! + 4 \times 5 = 6! + 7 - 8 + 9$
 $: (9 + 876)/5 \times 4 = 3!! - 2 - 10$
 $: \sqrt{9} - 8 - 7 + 6! = (5 + 4)^3 - 21$
 $: \sqrt{9} - 8 - 7 + 6! = 5 + 4 + 3!! - 21$
 $: -(\sqrt{9})! \times 8 + 7 + 6! + 5 + 4! = 3!! - 2 - 10$
- 710
 $: -12 + 3!! + \sqrt{4} = 5! \times 6 + 7 - 8 - 9$
 $: 98 \times 7 \times (6 - 5) + 4! = (3 \times 2)! - 10$
 $: -9 - 8 + 7 + 6! = 5 \times (4! \times 3! - 2) \times 1$
 $: -9 - 8 + 7 + 6! = 5 \times \sqrt{4} + 3!! - 2 \times 10$
 $: 98 - 7 - 6 + 5^4 = (3 \times 2)! - 10$
 $: -\sqrt{\sqrt{98} - 7!} + 6! + 5 + 4! = (3 \times 2)! - 10$
- 712
 $: -12 + 3!! + 4 = 56/7 \times 89$
 $: (\sqrt{9})!! - 8!/7! = 6! + 5 - 4 - 3^2 \times 1$
 $: (\sqrt{9})! + 87 - 6 + 5^4 = 3!! + 2 - 10$
 $: -9 + 8 - 7 + 6! = 5 - 4 \times 3 + (2 + 1)!! - 0!$
 $: -\sqrt{9} \times (8 - 7) + 6! = 5 + (\sqrt{4} \times 3)! + 2 - 10$

- 713

$$: -(9-8) \times 7 + 6! = 5 - 4 \times 3 + (2+1)!!$$
- 714

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

$$: (9+8) \times 7 \times 6 = 5 - 4 + 3!! - (2+1)! - 0!$$

$$: (9-8-7) + 6 \times 5! = 4 + (3 \times 2)! - 10$$
- 714

$$: -(\sqrt{9})! + 8 - 7 + 6! - 5 + 4 = 3!! - (2+1)!$$

$$: (\sqrt{9}-8) \times 7 + 6! + 5 + 4! = 3!! - (2+1)!$$

$$: 9 \times 87 - 65 - 4 = 3!! - (2+1)!$$
- 715

$$: -(\sqrt{9})! + 8 - 7 + 6! = 5 + (\sqrt{4+32})! - 10$$

$$: 9 \times (8+76-5) + 4 = 3!! - (2+1)! + 0!$$

$$: 9 \times (8+76-5) + 4 = 3!! - (2+1)! + 0!$$

$$: -9 - 8 - 7 + 6! - 5 + 4! = 3!! - (2+1)! + 0!$$
- 716

$$: -9 \times (8-7) + 6! + 5 = (\sqrt{4} \times 3)! - 2 - 1 - 0!$$

$$: 98 \times 7 + 6 \times 5 = 4 + 3!! + 2 - 10$$
- 717

$$: -1 - 2 + 3!! = 4 + 5! + 6! - 7 - (8 - \sqrt{9})!$$

$$: -1 - 2 + 3!! = \sqrt{4} \times 5! + 6 \times 78 + 9$$
- 717

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

$$: -9 \times 8 + 765 + 4! = 3!! - 2 - 1$$

$$: \sqrt{\sqrt{98}} \times 7 + 6 + 5! + 4! = 3!! - 2 - 1$$
- 717

$$: -9 + 8 - 7 + 6! + 5 = 4 + 3!! - (2+1)! - 0!$$

$$: -\sqrt{9} \times (8-7) + 6! = 5 - \sqrt{4^3} + (2+1)!!$$
- 718

$$: -1 \times 2 + 3!! = 4! + 5 + 6! - 7 - 8 \times \sqrt{9}$$

$$: -1 \times 2 + 3!! = 4 + 5! \times 6 - 7 - 8 + 9$$

$$: -1 \times 2 + 3!! = 45 + 6! - 7 \times 8 + 9$$

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

$$: -1 \times 2 + 3!! = (-4+5) \times 6! - 7 + 8 - \sqrt{9}$$
- 718

$$: -(9-8) \times 7 + 6! + 5 = (\sqrt{4+32})! - 1 - 0!$$
- 718

$$: (9-8)^7 \times (6! - 5) + 4 = (3 \times 2)! - 1$$

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

$$: 9 + 8 + 76 + 5^4 = 3!! - 2 \times 1$$

$$: -98/7 + 6! + \sqrt{5!+4!} = 3!! - 2 \times 1$$

$$: -\sqrt{9} \times 8 - 7 + 6! + 5 + 4! = 3!! - 2 \times 1$$

$$: -\sqrt{9} \times 8 - 7 + 6! + 5 + 4! = 3!! - 2 \times 1$$

$$: -\sqrt{9} - 8!/7! + 6! + 5 + 4 = 3!! - 2 \times 1$$
- 719

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

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

$$: -1 + (2 \times 3)! = 4 + 5! \times 6 - 7 + 8 - (\sqrt{9})!$$

$$: 1 - 2 + 3!! = 4! + 5 \times (67 + 8 \times 9)$$

$$: 1 - 2 + 3!! = 4 \times 5 + 6! - 7 - 8 - (\sqrt{9})!$$

$$: 1 - 2 + 3!! = 4 \times 5 - 6 - 7 - 8 + (\sqrt{9})!!$$

$$: 1 - 2 + 3!! = 4 + 5 + 6! + 7 - 8 - 9$$

$$: -1 + (\sqrt{2+34})! = 5 + 6 \times 7 \times (8+9)$$
- 719

$$: 1 + 2 + 3 - \sqrt{4} - 5 + 6! = 7 - 8 + (\sqrt{9})!!$$
- 719

$$: (\sqrt{9})!! + (8-7-6) \times 5 + 4! = (3 \times 2)! - 1$$

$$: -(\sqrt{9})! \times 8 - 7 + 6! + 54 = (3 \times 2)! - 1$$

$$: 9 + 8 + (7+6) \times 54 = (3 \times 2)! - 1$$

$$: -9 - 8 \times 7 + 6 \times 5! + 4^3 = (2+1)!! - 0!$$

$$: (9+8) \times 7 \times 6 + 5 = (\sqrt{4+32})! - 1$$
- 719

$$: -(9-8)^7 + 6! = (54/3^2)! - 1$$

$$: -(9-8)^7 + 6! = 5 \times 4 + 3!! - 21$$

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

$$: (\sqrt{9})!! - 8 + 7 = 6! - 5 + 4 + 3 - 2 - 1$$

$$: (\sqrt{9})!! - 8 + 7 = 65 + 4! + 3 \times 210$$

$$: (9+8) \times 7 \times 6 + 5 = (\sqrt{4+32})! \times 1 - 0!$$

$$: -(9-8)^7 + 6! = 5! - (\sqrt{4+3})! + (2+1)!! - 0!$$

$$: (\sqrt{9})!! - 8 + 7 = 6 \times 5 - 4! + 3!! - (2+1)! - 0!$$

- 720
- $$\begin{aligned} & : (1+2)!! = (3!+4) \times 5+6-7 \times 8+(\sqrt{9})!! \\ & : (1+2)!! = (3+\sqrt{4})!+5! \times (-67+8 \times 9) \\ & : (1+2)!! = 3!+4!+(5!-6-7+8) \times (\sqrt{9})! \\ & : (1+2)!! = 3!+4!+5+6!-7 \times (8-\sqrt{9}) \\ & : (1+2)!! = 3!+45+678-9 \\ & : (1+2)!! = 3!+45+678-9 \\ & : (1+2)!! = 3 \times \sqrt{4} \times 5! \times (-6+7+8)/9 \\ & : (1+2)!! = 3^4+567+8 \times 9 \\ & : (1+2)!! = 3+4!+(5-6+78) \times 9 \\ & : (1+2)!! = 3+4+5+6+78 \times 9 \\ & : (1+2)!! = 3+4+5+6+78 \times 9 \\ & : (1+2)!! = 3+\sqrt{4} \times 5+6!-78/(\sqrt{9})! \\ & : (1+2)!! = 34+5+678+\sqrt{9} \\ & : (1+2)!! = 34+5+678+\sqrt{9} \\ & : (1+2)!! = \sqrt{3^4}+(-5+6+78) \times 9 \end{aligned}$$
- 720
- $$\begin{aligned} & : (\sqrt{12 \times 3})! = 4!-5!+6!+7+89 \\ & : (\sqrt{12 \times 3})! = 4+(5+6!) \times (-7+8)-9 \\ & : (\sqrt{12 \times 3})! = 45+678-\sqrt{9} \end{aligned}$$
- 720
- $$\begin{aligned} & : ((1+23)/4)! = (5+67+8) \times 9 \\ & : ((1+23)/4)! = 5+6!-(7+8)/\sqrt{9} \\ & : (1^{234}+5)! = 6! \times (-7+8)^9 \\ & : 1 \times (2 \times 3)! = 4+5+6!+(7-8) \times 9 \\ & : 1^{2345} \times 6! = (7+8-9)! \end{aligned}$$
- 720
- $$\begin{aligned} & : 1-2+3!/4+5+67 \times 8 = (\sqrt{9})!! \\ & : -123+45+6!+78 = (\sqrt{9})!! \end{aligned}$$
- 720
- $$\begin{aligned} & : ((-\sqrt{9}+8)!-7) \times 6+(5+\sqrt{4}) \times 3! = (2+1)!! \end{aligned}$$
- 720
- $$\begin{aligned} & : (\sqrt{9})!! = (8!+7!)/6!+5^4+32 \times 1 \\ & : (\sqrt{9})!! = (8!-7!)/6! - 5-4!+3!!-21+0! \\ & : (\sqrt{9})!! = (8-7) \times 6 \times 5-4!-3!+(2+1)!! \\ & : (\sqrt{9})!! = 8!/7!+6!-5!/4+32-10 \\ & : (\sqrt{9})!! = 8 \times (7+6)+5^4-3^2 \times 1 \\ & : (\sqrt{9})!! = 8 \times (-7+6+5)+(\sqrt{4} \times 3)!-\sqrt{2^{10}} \\ & : (\sqrt{9})!! = 8 \times 7!/(6+5!)+(4+3!^2) \times 10 \\ & : (\sqrt{9})!! = 8 \times 7!/6! - 5 \times 4! \times 3+2^{10} \\ & : (\sqrt{9})!! = 8 \times 7!/6! - 54+3!!-2 \times 1 \\ & : (\sqrt{9})!! = 8 \times 7+654 \times (3-2)+10 \\ & : (\sqrt{9})!! = 8 \times 7+654+3^2+1 \\ & : (\sqrt{9})!! = 8 \times 76+(54-3) \times 2+10 \\ & : (\sqrt{9})!! = 8 \times 76+5!-4-3-2+1 \\ & : (\sqrt{9})!! = 8+7!/6!+(5!-\sqrt{4}) \times 3!-2-1 \\ & : (\sqrt{9})!! = 8+7 \times 6 \times 5+\sqrt{4}^{3^2}-10 \\ & : (\sqrt{9})!! = 8+7 \times \sqrt{6! \times 5}+(4! \times 3!+2) \times (1+0!) \\ & : (\sqrt{9})!! = 8+7+6! - 5 \times 4+3 \times 2-1 \\ & : (\sqrt{9})!! = 8+7+6+5! \times \sqrt{4} \times 3-21 \\ & : (\sqrt{9})!! = 8+7+6+5-4+3!!-21-0! \\ & : (\sqrt{9})!! = 8+76+5!+43 \times (2+10) \\ & : (\sqrt{9})!! = 8+76+5+(4!+3!) \times 21+0! \\ & : (\sqrt{9})!! = 87 \times 6+(5!-4!+3) \times 2 \times 1 \\ & : (\sqrt{9})!! = 87 \times 6+(5+4) \times (32-10) \\ & : (\sqrt{9})!! = 87+6! - 54-32-1 \\ & : (\sqrt{9})!! = 87+6+5^4+3-2+1 \\ & : (\sqrt{9})!! = 87+6+5^4-3!-2+10 \\ & : (\sqrt{9})!! = 87+6-5+\sqrt{4}+3 \times 210 \\ & : (\sqrt{9})!! = \sqrt{-8 \times 7+6!+5!}-5-4!+(3 \times 2)!+1 \\ & : (\sqrt{9})!! = \sqrt{8+7-6}-5+\sqrt{4}+(3 \times 2)! \times 1 \\ & : (\sqrt{9})!! = \sqrt{8+7-6}-\sqrt{5+4}+(3 \times 2)! \times 1 \end{aligned}$$
- 720
- $$\begin{aligned} & : 9 \times (8+7+65) = (4!+3-21)! \\ & : 9 \times (8+7+65) = (\sqrt{4+32})! \times 1 \\ & : 9 \times (8+7+65) = 4+3!!-2-1-0! \end{aligned}$$

- 720
 - : $(-9 + 8 + 7)!$ = $(6 + 54321 \times 0)!$
 - : $(-9 + 8 + 7)!$ = $6 \times (54 + 3!) \times 2 \times 1$
 - : $(9 - 8)^7 \times 6!$ = $(5 + (4 - 3)^{21})!$
 - : $(9 - 8)^7 \times 6!$ = $5 \times 4 \times 3 \times (2 + 10)$
 - : $(98 + (7 - 6 \times 5) \times 4)!$ = $(3 \times 2)! \times 1$
 - : $-9 \times (8 - 7) + 6! + 5 + 4$ = $(3 \times 2)! \times 1$
 - : $-9 - 8!/7! + 6! + 5 + 4 \times 3$ = $(2 + 1)!!$
 - : $98 \times 7 + 6 \times 5 + 4$ = $(3 \times 2 \times 1)!$

- 720
 - : $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)!! = 7 + 6! - 5 - 4 + 3 - 2 + 1$
 - : $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)!! = 7 + 6 + 5 + 4 + 3!! - 21 - 0!$
 - : $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)!! = 7 + 6 - 5 \times \sqrt{4} + 3!! - 2 - 1$
 - : $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)!! = 76 + (5 \times 43) \times (2 + 1) - 0!$
 - : $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)!! = 76 + 5^4 + \sqrt{3!!/2 + 1}$

- 721
 - : $1 + (2 \times 3)! = 4! \times 56 - 7 \times 89$
 - : $1 + (2 \times 3)! = 4! - 5 + 6! - 7 - 8 - \sqrt{9}$
 - : $1 + (2 \times 3)! = 4 + 5 + 6! - 7 + 8 - 9$

- 721
 - : $1 + (\sqrt{2 + 34})! = 5 + 6! + 7 - 8 - \sqrt{9}$
 - : $-1 + 2 + 3 \times \sqrt{4} \times 5! = 6! + (-7 + 8)^9$
 - : $-1 - 2 + 3!! + 4 = 5! + 6! - 7 \times (8 + 9)$

- 721
 - : $(\sqrt{9})!! - \sqrt{-8 \times 7 + 6! + 5!} + 5 + 4!$
= $(3 \times 2)! \times 1 + 0!$
 - : $9 - 8!/7! + 6!$
= $5! - (\sqrt{4} + 3)! + (2 + 1)!! + 0!$

- 721
 - : $(9 - 8)^7 + 6!$ = $(54/3^2)! + 1$
 - : $(\sqrt{9})!! + (8 - 7)^{65}$ = $(\sqrt{4 + 32})! + 1$
 - : $9 + 8 \times (76 + 5) + 4^3$ = $(2 + 1)!! + 0!$
 - : $-9 + 8 - 7 + 6! + 5 + 4$ = $(3 \times 2)! + 1$
 - : $-9 + 87 + 6! - 5! + 43$ = $(2 + 1)!! + 0!$
 - : $98 \times 7 + 6 + 5 + 4!$ = $(3 \times 2)! + 1$
 - : $98 + 7 \times (65 + 4!)$ = $(3 \times 2)! + 1$
 - : $\sqrt{9} - 8 \times 7 + 6! + 54$ = $3!! + 2 - 1$
 - : $-\sqrt{9} - 8 + 7 + 6! + 5$ = $(\sqrt{4 + 32})! \times 1 + 0!$
 - : $-\sqrt{9} - 8 + 7 + 6! + 5$ = $\sqrt{4} + (3 \times 2)! - 1$

- 722
 - : $1 \times 2 + 3!! = 4! - 5 + 6! + 7 - 8 \times \sqrt{9}$
 - : $1 \times 2 + 3!! = 4 + (5 + 6! - 7) \times (-8 + 9)$
 - : $1 \times 2 + 3!! = 4 + 5 + 6! + 7 \times (8 - 9)$
 - : $1 \times 2 + 3!! = 4 + 5 + 6! + 7 \times (8 - 9)$
 - : $1 \times 2 + 3!! = \sqrt{4 + 5} + 6! - (-7 + 8)^9$

- 722
 - : $1 + (2 \times 3)! - 4 + 5 = 6! + 7 - 8 + \sqrt{9}$
 - : $1 \times 2 + (3 \times \sqrt{4})! = 5 + 6! + (7 - 8) \times \sqrt{9}$
 - : $(\sqrt{12 \times 3})! + \sqrt{4} = (5 + 6!) \times (-7 + 8) - \sqrt{9}$

- 722
 - : $-(\sqrt{9})! + 8 \times 76 + 5!$ = $(\sqrt{4} \times 3)! + 2 \times 1$
 - : $9 \times 87 - 65 + 4$ = $3!! + 2 \times 1$
 - : $-\sqrt{9} \times (8 - 7) + 6! + 5$ = $4 + (3 \times 2)! - 1 - 0!$
 - : $-\sqrt{9} \times (8 - 7) + 6! + 5$ = $4 + 3!! - 2 \times 1$
 - : $-\sqrt{9} \times 8 + 7 + 6! - 5 + 4!$ = $3!! + 2 \times 1$
 - : $\sqrt{9} - 8 + 7 + 6!$ = $5 \times \sqrt{4} + 3!! + 2 - 10$
 - : $\sqrt{9} - 8 + 7 + 6!$ = $5 - 4 + (3 \times 2)! + 1$
 - : $-\sqrt{9} - 8 - 7 + 6! + 5 \times 4$ = $(3 \times 2)! + 1 + 0!$
 - : $-\sqrt{9} - 8 - 7 + 6! + 5 \times 4$ = $3!! + 2 \times 1$

- 723
 - : $(1 + 2)!! + 3 = 4! + 5! \times 6 - 7 - 8 - (\sqrt{9})!$
 - : $(1 + 2)!! + 3 = 4! + 5! + 67 + 8^{\sqrt{9}}$
 - : $(1 + 2)!! + 3 = 4 + 5 + 6 \times 7 \times (8 + 9)$
 - : $(1 + 2)!! + 3 = 4 + 5 + 6 \times 7 \times (8 + 9)$
 - : $(1 + 2)!! + 3 = 45 + 6 \times (-7 + (8 - \sqrt{9})!)$

- 723
 $: 1 \times 2 + 3!! - 4 + 5 = 6! - (7 - 8) \times \sqrt{9}$
 $: -1 + (2 \times 3)! + 4 = 5 + 6! - 7 + 8 - \sqrt{9}$
- 723
 $: (9 + 8) \times 7 \times 6 + 5 + 4 = 3!! + 2 + 1$
 $: \sqrt{9} \times (8 - 7) + 6! = (5 + 4)^3 - (2 + 1)!$
 $: \sqrt{9} \times (8 - 7) + 6! = (5 - 4) \times (3!! + 2 + 1)$
 $: -\sqrt{9} \times 8 + 7 + 6! + 5 \times 4 = 3!! + 2 + 1$
 $: -\sqrt{9} + 8 - 7 + 6! + 5 = \sqrt{4} + (3 \times 2)! + 1$
- 724
 $: (\sqrt{12 \times 3})! + 4 = 5 + 6! - (-7 + 8)^9$
 $: 9 \times (8 + 7 + 65) + 4 = 3!! + 2 + 1 + 0!$
 $: \sqrt{9} + 8 - 7 + 6! = 5 - \sqrt{4} + (3 \times 2)! + 1$
- 725
 $: ((1 + 23)/4)! + 5 = 6! + (7 + 8)/\sqrt{9}$
 $: (9 - 8)^7 \times (6! + 5) = 4 + (3 \times 2)! + 1$
 $: (\sqrt{9})!! - 8 + 7 + 6 = 5 \times ((4 \times 3)^2 + 1)$
 $: (\sqrt{9})!! - 8 + 7 + 6 = 5 + (\sqrt{4} \times 3)! - 2 + 1 + 0!$
- 726
 $: (1 + 2)!! + 3! = 45 + 678 + \sqrt{9}$
 $: (1 + 2)! + 3!! = (\sqrt{4})^5 + 6! - 78/\sqrt{9}$
 $: (1 + 2)! + 3!! = 4! + (-5 + 6) \times 78 \times 9$
 $: (1 + 2)! + 3!! = 4 \times 5 + 6! - 7 \times (8 - (\sqrt{9})!)$
 $: 1 + (\sqrt{2 + 34})! + 5 = 6! + 7 + 8 - 9$
 $: 1 + (\sqrt{2 + 34})! + 5 = 6 + (7 + 8 - 9)!$
- 726
 $: (\sqrt{9})! \times (8 \times 7 + 65) = 4 + 3!! + 2 \times 1$
 $: (\sqrt{9})! \times (87 + 6 \times 5) + 4! = 3! + (2 + 1)!!$
 $: 1 \times 2 + 3!!! + 4 = 5! \times 6 + 7 + 8 - 9$
 $: -9 + 8 + 7 + 6! = (5! + 4 - 3) \times (2 + 1)!$
 $: -9 + 8 + 7 + 6! = (5 + 4 - 3)! + (2 + 1)!$
- 727
 $: -1 + 2^3 + (\sqrt{4 + 5})!! = 6! - 7 \times (8 - 9)$
 $: 1 + 2 + 3!!! + 4 = 5! + 6! + 7 - (8 - \sqrt{9})!$
- 727
 $: (9 - 8) \times (7 + 6!) = (5 + 4)^3 - 2 \times 1$
 $: (9 - 8) \times (7 + 6!) = 5 + \sqrt{4} + (3 \times 2)! \times 1$
 $: (9 - 8) \times 7 + 6 \times 5! = (4! + 3)^2 - 1 - 0!$
 $: (9 - 8) \times 7 + 6 \times 5! = 4 + 3 + (2 + 1)!!$
 $: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 = 6! - 5 + 4 + 3^2 - 1$
 $: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 = 6 \times 5! - 4 + 3 - 2 + 10$
- 728
 $: (\sqrt{9})!! + 8 = 7! \times 6/5! + 4 \times ((3 + 2)! - 1)$
 $: (\sqrt{9})!! + 8 = 7 + 6! + 5 - 4 - 321 \times 0$
 $: (\sqrt{9})!! + 8 = 7 + 6! + 5 - \sqrt{4^3}/2 \times 1$
 $: (\sqrt{9})!! + 8 = 7 + 6 + 5 \times ((4 \times 3)^2 - 1)$
 $: (\sqrt{9})!! + 8 = 7 + 6 + 5^4 + 3^2 \times 10$
 $: (\sqrt{9})!! + 8 = 76 + 5^4 + 3^{2+1}$
 $: (\sqrt{9})!! + 8 = 76 + 5 + 4! \times 3^{2+1} - 0!$
- 728
 $: 1^{2345} + 6! + 7 = 8 + (\sqrt{9})!!$
 $: (\sqrt{9})!! + 8!/7! = 6! + 5 + 4 - (321 \times 0)!$
 $: (\sqrt{9})!! + 8!/7! = 6! + 5 - 4 + 3 \times 2 + 1$
 $: 9 - 8 + 7 + 6! = 5! + \sqrt{4} \times (-3!! + 2^{10})$
 $: 9 - 8 + 7 + 6! = 5 \times 4 + 3!! - 2 - 10$
 $: 9 - 8 + 7 + 6! = 5 + 4 + (3 \times 2)! - 1$
 $: 9 - 8 + 7 + 6 \times 5! = (4! + 3)^2 - 1$
 $: 9 - 8 + 7 + 6 \times 5! = (\sqrt{4} \times 3)! - 2 + 10$
- 729
 $: (1 + 2)^{3!} = 4! + 5 \times (6 + (7 + 8) \times 9)$
 $: (1 + 2)^{3!} = 4 - 5 + 6! - 7 + 8 + 9$
 $: (1 + 2)^{3!} = 45 + 678 + (\sqrt{9})!$
 $: (1 + 2)^{3!} = \sqrt{4} + 5 + 6! + 7 - 8 + \sqrt{9}$
 $: (1 + 2)^{3 \times \sqrt{4}} = ((5 + 67)/8)^{\sqrt{9}}$
 $: (1 + 2)^{3 \times \sqrt{4}} = 5 + 6! - 7 + 8 + \sqrt{9}$
 $: (12 - 3)^{\sqrt{4+5}} = 6! - (7 - 8) \times 9$

- 729
- $$\begin{aligned} & : (98 - 76 + 5)^{\sqrt{4}} = 3^{(2+1)!} \\ & : 9 \times (87 - 6) = (5 - 4) \times 3^{(2+1)!} \\ & : 9 \times (87 - 6) = (54/3!)^{2+1} \\ & : 9 \times (87 - 6) = 5!/4 + 3!! - 21 \\ & : 9 \times (87 - 6) = 5 + 4 + (3 \times 2)! \times 1 \\ & : 9 \times (87 - 6) = 5 + 4 + (3 \times 2)! - 1 + 0! \\ & : 9^{8 \times (7-6)-5} = (4! + 3)^{2+1-0!} \\ & : 9^{8 \times (7-6)-5} = (4! + 3)^2 \times 1 \end{aligned}$$
- 729
- $$\begin{aligned} & : -9 - 8 + 7 + 6! - 5 + 4! = 3^{(2+1)!} \\ & : -\sqrt{9} \times (8 + 7) + 6! + 54 = 3^{(2+1)!} \end{aligned}$$
- 730
- $$\begin{aligned} & : (1 + 2)^{3!} - 4 + 5 = 6! - 7 + 8 + 9 \\ & : (\sqrt{9})!! - 8 - 7 + 6 - 5 + 4! = (3 \times 2)! + 10 \\ & : (\sqrt{9})! \times (8 \times 7 + 65) + 4 = (3 \times 2)! + 10 \\ & : -9 + 8 + 7 + 6 \times 5! + 4 = (3 \times 2)! + 10 \\ & : 9 + 8 - 7 + 6! = 5 - 4 + 3^{(2+1)!} \\ & : 9 + 8 - 7 + 6! = 5 - 4 + 3^{(2+1)!} \\ & : 9 + 8 - 7 + 6 \times 5! = (4! + 3)^2 + 1 \\ & : 9 + 8 - 7 + 6 \times 5! = (\sqrt{4 + 32})! + 10 \\ & : 9 + 8 - 7 + 6 \times 5! = 4 + 3!! + (2 + 1)! \end{aligned}$$
- 731
- $$\begin{aligned} & : (1 + 2)^{3!} + \sqrt{4} = 5 + 6! + 7 + 8 - 9 \\ & : \sqrt{9} + 8!/7! + 6! = 5 \times \sqrt{4} + (3 \times 2)! + 1 \\ & : \sqrt{9} + 8!/7! + 6! = 5 + 4 + 3!! + 2 \times 1 \\ & : \sqrt{9} + 8 \times 76 + 5! = (4! + 3)^2 + 1 + 0! \\ & : \sqrt{9} + 8 \times 76 + 5! = \sqrt{4} + 3^{(2+1)!} \end{aligned}$$
- 732
- $$\begin{aligned} & : 12 + 3!! = 4! + 5! \times 6 - 7 - 8 + \sqrt{9} \\ & : 12 + 3!! = 4! + 5! + 6 \times 7 \times (8 + (\sqrt{9})!) \\ & : 12 + 3!! = 4! + 5 + 6! + 7 - 8 \times \sqrt{9} \\ & : 12 + 3!! = 4 + 56 \times 78 / (\sqrt{9})! \\ & : 12 + 3!! = 45 + 678 + 9 \\ & : 12 + 3!! = \sqrt{4} + 5 + 6! + 7 - 8 + (\sqrt{9})! \end{aligned}$$
- 732
- $$\begin{aligned} & : (12 + 3!!) \times (-4 + 5) = 6! + 7 + 8 - \sqrt{9} \\ & : 12 + (3 \times \sqrt{4})! = 5 \times 6 + 78 \times 9 \end{aligned}$$
- 732
- $$\begin{aligned} & : (9 - 8) \times (7 + 6! + 5) = (\sqrt{4} \times 3)! + 2 + 10 \\ & : (9 - 8) \times (7 + 6! + 5) = 4 \times 3 + (2 + 1)!! \\ & : 9 \times (-8 + 76) + 5! = 4 \times 3 + (2 + 1)!! \\ & : -9 + 8 - 7 + 6! + 5 \times 4 = 3!! + 2 + 10 \\ & : -9 + 87 + 654 = 3!! + 2 + 10 \\ & : -9 - 8!/7! + 6! + 5 + 4! = 3!! + 2 + 10 \\ & : -\sqrt{9} \times 8 + 7 + 6! + 5 + 4! = 3!! + 2 + 10 \end{aligned}$$
- 732
- $$\begin{aligned} & : -\sqrt{9} + 8 + 7 + 6! = (5! + \sqrt{4}) \times \sqrt{3 \times (2 + 10)} \\ & : -\sqrt{9} + 8 + 7 + 6! = (5 + 4)^3 + 2 + 1 \end{aligned}$$
- 733
- $$\begin{aligned} & : (1 + 2)^{3!} + 4 = 5 + 6! + 7 - 8 + 9 \\ & : 12 + 3!! - 4 + 5 = 6! + 78 / (\sqrt{9})! \end{aligned}$$
- 733
- $$\begin{aligned} & : \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right)!! + 7 + 6 = (5! + \sqrt{4}) \times 3 \times 2 + 1 \\ & : \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}} \right)!! + 7 + 6 = (5 + 4)^3 + 2 + 1 + 0! \\ & : 9 - 8 + 7 + 6! + 5 = 4 + 3^{(2+1)!} \end{aligned}$$
- 734
- $$\begin{aligned} & : (1 + 2)^{3 \times \sqrt{4}} + 5 = 6! + 7 \times (8 - (\sqrt{9})!) \\ & : 12 + 3!! + \sqrt{4} = (5 + 6!) \times (-7 + 8) + 9 \end{aligned}$$
- 734
- $$\begin{aligned} & : 9 \times (87 - 6) + 5 = 4 + (3 \times 2)! + 10 \\ & : 98/7 + 6! = (5! + 4) \times 3 \times 2 - 10 \\ & : 98/7 + 6! = (5! + \sqrt{4}) \times 3! + 2 \times 1 \\ & : 98/7 + 6! = (\sqrt{5 + 4})! + 3!! - 2 + 10 \\ & : 98/7 + 6! = 5 + 4 + 3!! + (2 + 1)! - 0! \end{aligned}$$
- 735
- $$\begin{aligned} & : (12 - 3)^{\sqrt{4+5}} + 6 = 7 + 8 + (\sqrt{9})!! \\ & : (\sqrt{9})!! + 8 + 7!/6! = (5 + 4)^3 + (2 + 1)! \\ & : (\sqrt{9})!! + 8 + 7 = 6! + 5 + 4 + 3 \times 2 \times 1 \\ & : (\sqrt{9})!! + 8 + 7 = 6 + 5 - 4 + 3!! - 2 + 10 \end{aligned}$$
- 736
- $$: 12 + 3!! + 4 = 5! - (6 + 7) \times 8 + (\sqrt{9})!!$$

- 737
 $: 1 + 23 \times (\sqrt{4})^5 = 67 \times (8 + \sqrt{9})$
 $: \sqrt{9} \times 8 - 7 + 6! = 5 + 4! + 3!! - 2 - 10$
 $: \sqrt{9} \times 8 - 7 + 6! = 5 + 4 \times 3 + (2 + 1)!!$
- 738
 $: (1 + 2)!! - 3! + 4! = 5! \times 6 + 7 + 8 + \sqrt{9}$
 $: (1 + 2)!! - 3! + 4! = 5! - 6 + 7!/8 - (\sqrt{9})!$
 $: 123 \times (\sqrt{4 + 5})! = 6! + 7 + 8 + \sqrt{9}$
- 738
 $: \sqrt{9} + 8 + 7 + 6! = 5 \times 4 + 3!! - 2 \times 1$
 $: \sqrt{9} + 8 + 7 + 6! = 5 \times \sqrt{4} + 3!! - 2 + 10$
 $: \sqrt{9} + 8 + 7 + 6 \times 5! = 4! - 3! + (2 + 1)!!$
- 740
 $: (9 \times 8 + 76) \times 5 = (4! \times 3 + 2) \times 10$
 $: 98 \times 7!/6! + 54 = 3!! + 2 \times 10$
 $: 98 \times 7 + 6 \times (5 + 4) = 3!! + 2 \times 10$
- 741
 $: -1 + 2 + 3!! + 4 \times 5 = 6 + 7 + 8 + (\sqrt{9})!!$
 $: 12 + 3!! + 4 + 5 = 6 + 7 + 8 + (\sqrt{9})!!$
- 741
 $: (9 - 8)^7 + 6! + 5 \times 4 = 3!! + 21$
 $: (\sqrt{9})!! + 8 + 7 + 6 = 5 \times 4 + (3 \times 2)! + 1$
 $: (\sqrt{9})!! + 8 + 7 + 6 = 5 - 4 + 3!! + 21 - 0!$
 $: (\sqrt{9})! + 8 + 7 + 6! = 5 - 4 + 3!! + 21 - 0!$
 $: 9 + 8 \times 76 + 5! + 4 = 3!! + 21$
 $: 98/7 + 6! + 5 + \sqrt{4} = 3!! + 21$
 $: -\sqrt{9} \times (8) + 765 = (\sqrt{4} \times 3)! + 21$
- 741
 $: -\sqrt{\sqrt{9^8} - 7!} + 6! + 5!/ \sqrt{4} = 3!! + 21$
 $: \sqrt{\sqrt{\sqrt{9^8} + 7 + 6!} + 5} = 4! + 3!! - 2 - 1$
- 742
 $: -1 \times 2 + 3!! + 4! = 5! + 6! - 7 \times (8 + (\sqrt{9})!)$
 $: -1 \times 2 + 3!! + 4! = 5 + 67 \times (8 + \sqrt{9})$
- 742
 $: -98 + 7!/6 = 5^{\sqrt{4}} + 3!! - 2 - 1$
 $: -98 + 7!/6 = 54 + 3!! - \sqrt{2^{10}}$
 $: \sqrt{9} \times 8 - 7 + 6! + 5 = 4! + (3 \times 2)! - 1 - 0!$
 $: \sqrt{9} \times 8 - 7 + 6! + 5 = 4! + 3!! - 2 \times 1$
 $: \sqrt{9} + 8 + 7 + 6 \times 5! + 4 = 3!! + 21 + 0!$
- 743
 $: -1 + (2 \times 3)! + 4! = 5 + 6! + 7 + 8 + \sqrt{9}$
 $: \sqrt{9} + 8 + 7 + 6! + 5 = 4! + (3 \times 2)! - 1$
- 744
 $: (\sqrt{12 \times 3})! + 4! = 5! + 6! - 7 - 89$
 $: 1 \times (2 \times 3)! + 4! = 5! + 6! - 7 - 89$
 $: 9 + 8 + 7 + 6! = 5^4 + (3 + 2)! - 1$
 $: \sqrt{9} + 87 + 654 = 3!! + (2 + 1 + 0)!$
- 745
 $: 1 + (2 \times 3)! + 4! = 5 \times (6 + 7 - 8) + (\sqrt{9})!!$
- 746
 $: (1 + 2)!! - 3 + 4! + 5 = 6! + 78/\sqrt{9}$
 $: (1 + 2)! + 3!! + 4 \times 5 = 6! + 78/\sqrt{9}$
 $: 1 \times 2 + 3!! + 4! = 5! \times 6 + 78/\sqrt{9}$
 $: (\sqrt{9})! + 8 + 7 + 6! + 5 = 4! + 3!! + 2 \times 1$
- 747
 $: (1 + 2)!! + 3 + 4! = 5! + 6 + 7!/8 - 9$
 $: 1 + 2 + 3!! + 4! = 5! + 6 + 7!/8 - 9$
- 748
 $: -9 - 8 + 765 = 4 + 3!! + (2 + 1 + 0)!$
- 749
 $: -98 + 7 + 6! + 5! = 4! + 3! + (2 + 1)!! - 0!$
- 750
 $: (1 + 2)! + 3!! + 4! = (5! + 6 + 7 - 8) \times (\sqrt{9})!$
 $: -(\sqrt{9})!!/8 + 7!/6 = (5 + 4)^3 + 21$
 $: -(\sqrt{9})!!/8 + 7!/6 = 5 + 4 + 3!! + 21$
 $: -(\sqrt{9})!!/8 + 7!/6 = 5 + 4 + 3!! + 21 + 0!$
 $: -\sqrt{9} - 87 + 6! + 5! = 4! + 3! + (2 + 1)!!$
- 751
 $: 1 \times 2 + 3!! + 4! + 5 = 6! + 7 + 8 \times \sqrt{9}$
 $: 98 \times 7 + 65 = 4! + 3! + (2 + 1)!! + 0!$
 $: \sqrt{9} \times 8 + 7 + 6! = 5!/4 + (3 \times 2)! + 1$
 $: \sqrt{9} \times 8 + 7 + 6! = 5^4 + 3! \times 21$

- 752

$$: ((\sqrt{9})! + 8) \times 7 + 654 = 3!! + \sqrt{2^{10}}$$

$$: -\sqrt{\sqrt{9^8}} - 7 + 6! + 5! = 4! + 3!! - 2 + 10$$
- 753

$$: (1 + 2)^{3!} + 4! = 5! - 6 + 7!/8 + 9$$

$$: 9 \times 87 - 6 \times 5 = 4! + 3^{(2+1)!}$$
- 754

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

$$: (\sqrt{9})!! - 8 + 7 \times 6 = 5! + 4 + 3 \times 210$$

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

$$: -\sqrt{9} - 8 + 765 = 4! + (3 \times 2)! + 10$$
- 755

$$: -(\sqrt{9} - 8) \times 7 + 6! = (5!/4 + 3!) \times 21 - 0!$$

$$: -(\sqrt{9} - 8) \times 7 + 6! = (5 + 4!) + 3! + (2 + 1)!!$$

$$: 1 + 2 + 3!! + (\sqrt{4})^5 = 6! + 7 \times (8 - \sqrt{9})$$
- 756

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

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

$$: 12 + 3! \times (4 + 5!) = (6 + 78) \times 9$$

$$: 9 \times (8 + 76) = (5 - \sqrt{4})! \times 3! \times 21$$

$$: 9 \times (8 + 76) = 54 \times (3! - 2 + 10)$$
- 758

$$: (\sqrt{9})!! + 8!/7! + 6 \times 5 = 4! \times 32 - 10$$
- 759

$$: -(\sqrt{\sqrt{9^8}}) + 7!/6 = 5!/4 + 3^{(2+1)!}$$

$$: -(\sqrt{\sqrt{9^8}}) + 7!/6 = 5 + 4! + (3 \times 2)! + 10$$
- 761

$$: 12 + 3!! + 4! + 5 = 6! - 7 + 8 \times (\sqrt{9})!$$

$$: (\sqrt{9})! \times 8 - 7 + 6! = 5 \times 4 + 3!! + 21$$

$$: (\sqrt{9})! \times 8 - 7 + 6! = 5 + 4! + 3!! + 2 + 10$$
- 762

$$: (1 + 2)!! - 3 + 45 = 6 \times (7 + (8 - \sqrt{9})!)$$

$$: 9 - 87 + 6! + 5! = 43 + (2 + 1)!! - 0!$$

$$: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! \times 7 + 6! = (5 + \sqrt{4}) \times 3! + (2 + 1)!!$$
- 763

$$: (\sqrt{9})! - 8 + 765 = 43 + (2 + 1)!!$$
- 764

$$: -9 + 8 + 765 = 4! + 3!! + 2 \times 10$$
- 765

$$: (-1 + 2) \times 3!! + 45 = 6! + (7 + 8) \times \sqrt{9}$$

$$: (9 - 8) \times 765 = 4! + 3!! + 21$$

$$: \sqrt{9} \times (8 + 7) + 6! = (5! + 4) \times 3! + 21$$

$$: \sqrt{9} \times (8 + 7) + 6! = 5^{\sqrt{4}} + 3!! + 21 - 0!$$
- 766

$$: 9 - 8 + 765 = 4! \times 32 - 1 - 0!$$

$$: 9 - 8 + 765 = 4! + 3!! + 21 + 0!$$
- 767

$$: 1 \times 2 + 3!! + 45 = 6! + 7 \times 8 - 9$$

$$: -(\sqrt{9})! + 8 + 765 = 4! \times 32 - 1$$

$$: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! \times 7 + 6! + 5 = 4! \times 32 - 1$$
- 767

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

$$: -9 + 8 \times 7 + 6! = 5^{\sqrt{4}} + 3!! + 21 + 0!$$
- 768

$$: (1 + 2)!! + 3 + 45 = 6!/(7 + 8) + (\sqrt{9})!!$$

$$: -9 \times 8!/7! + 6! + 5! = 4! \times 32 \times 1$$

$$: -9 \times 8 + 7!/6 = (5! - 4!) \times (3 \times 2 + 1 + 0!)$$

$$: -9 \times 8 + 7!/6 = (5! - 4!) \times (3^2 - 1)$$
- 769

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

$$: (\sqrt{9})!! + (8! - 7!)/(6 \times 5!) = 4! \times 32 + 1$$
- 769

$$: (\sqrt{9})!! + (8! - 7!)/6! = (5! - 4!) \times (3! + 2) + 1$$

$$: (\sqrt{9})!! + (8! - 7!)/6! = 5^4 + (3! \times 2)^{1+0!}$$
- 770

$$: (1 + 2)!! + (3! + 4) \times 5 = 6! + 7 \times 8 - (\sqrt{9})!$$

$$: (\sqrt{9})!! + 8 + 7 \times 6 = 5 + 4! + 3!! + 21$$

$$: (\sqrt{9})!! + 8 + 7 \times 6 = 54 + 3!! - 2 - 1 - 0!$$

$$: -\sqrt{9} + 8 + 765 = 4! \times 32 + 1 + 0!$$

- 773
: $-\sqrt{9} + 8 \times 7 + 6! = 54 + (3 \times 2)! - 1$
- 775
: $(\sqrt{9})! \times 8 + 7 + 6! = 5^{\sqrt{4}} \times (32 - 1)$
- 776
: $1 + (2 + \sqrt{3^4}) \times 5 + 6! = 7 \times 8 + (\sqrt{9})!!$
- 776
: $\sqrt{9} + 8 + 765 = 4! + 3!! + \sqrt{2^{10}}$
: $(\sqrt{9})!! + 8 \times 7!/6! = 5!/ \sqrt{4} + 3!! - 2 - 1 - 0!$
: $(\sqrt{9})!! + 8 \times 7!/6! = 54 + 3!! + 2 \times 1$
: $(\sqrt{9})!! + 8 \times 7 = 6! + 54 + 3 - 2 + 1$
: $(\sqrt{9})!! + 8 \times 7 = 6! - 54 + (3 + 2)! - 10$
- 777
: $9 \times 87 - 6 = 54 + 3!! + 2 + 1$
- 778
: $-(\sqrt{9})! - 8 \times 7 + 6! + 5! = 4! \times 32 + 10$
: $-\sqrt{9} + 8 \times 7 + 6! + 5 = 4! \times 32 + 10$
- 782
: $(\sqrt{9})! + 8 \times 7 + 6! = 5!/ \sqrt{4} + 3!! + 2 \times 1$
: $(\sqrt{9})! + 8 \times 7 + 6! = 5!/ \sqrt{4} + 3!! + 2 - 1 + 0!$
- 783
: $9 \times 87 = (6 - 5) \times \sqrt{4^3!} + (2 + 1)!! - 0!$
: $9 \times 87 = 6! \times (5 - 4) + 3 \times 21$
: $9 \times 87 = 6! + (5 + 4)/3 \times 21$
: $9 \times 87 = 6 + 54 + 3!! + 2 + 1$
: $9 \times 87 = 65 + (\sqrt{4} \times 3)! - 2 \times 1$
: $9 \times 87 = 65 - 4 + 3!! + 2 + 1 - 0!$
: $9 \times 87 = \sqrt{6! \times 5} + 4 + (3 \times 2)! - 1$
: $9 \times 87 = \sqrt{6! \times 5} + 4 + (3 \times 2)! - 1$
- 783
: $\left(\sqrt{\sqrt{\sqrt{9^8}}} \right) \times 7 + 6! = (5 + 4!) \times 3^{2+1}$
: $\left(\sqrt{\sqrt{\sqrt{9^8}}} \right) \times 7 + 6! = 54 + 3^{(2+1)!}$
- 784
: $9 \times 87 + 6 - 5 = 4^3 + (2 + 1)!!$
: $\sqrt{9} + 8 \times 7 + 6! + 5 = (-4 + 32)^{1+0!}$
: $\sqrt{9} + 8 \times 7 + 6! + 5 = 4^3 + (2 + 1)!!$
- 785
: $1 + 2^3! + (\sqrt{4 + 5})!! = 6! + 7 \times 8 + 9$
: $9 + (8 \times 7) + 6 \times 5! = 4^3 + (2 + 1)!! + 0!$
- 785
: $9 + 8 \times 7 + 6! = (\sqrt{5^4} + 3)^2 + 1$
: $9 + 8 \times 7 + 6! = 5!/ \sqrt{4} + 3!! + (2 + 1)! - 0!$
- 789
: $(1 + 2)^{3!} + 4 + 56 = 789$
: $(1 + 2)^3 \times (4! + 5) + 6 = 789$
: $1 + 23 + 45 + 6! = 789$
- 789
: $9 \times 87 + 6 = 5!/ \sqrt{4} + 3^{(2+1)!}$
: $9 \times 87 + 6 = 5 + 4^3 + (2 + 1)!!$
- 791
: $(\sqrt{9})!! - (8! - 7!)/6! + 5! = 4! \times (32 + 1) - 0!$
- 791
: $\sqrt{9 - 8 + 7!} + 6! = (5! - 4 - 3) \times ((2 + 1)! + 0!)$
- 792
: $(1 + 2)!! + 3!!/(\sqrt{4} \times 5) = ((6! + 78) - (\sqrt{9})!)$
: $(1 + 2)!! + 3 \times 4! = (5 + 67) \times (8 + \sqrt{9})$
- 792
: $-(\sqrt{9})! \times 8 + 7!/6 = (5! + 4 \times 3) \times (2 + 1)!$
: $-(\sqrt{9})! \times 8 + 7!/6 = 5! + (4! - 3) \times \sqrt{2^{10}}$
: $9 \times (87 + 6 - 5) = 4! \times (32 + 1)$
- 793
: $(\sqrt{9})!! - 8 + 76 + 5 = 4! \times 3 + (2 + 1)!! + 0!$
: $9 - 8 \times 7 + 6! + 5! = 4! \times (32 + 1) + 0!$
- 794
: $\sqrt{\sqrt{9^8}} - 7 + 6! = 54 + 3!! + 21 - 0!$
- 796
: $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 76 = 54 + 3!! + 21 + 0!$

- 797

$$: (1+2)!! + 3 \times 4! + 5 = 6! + 7 \times (8 + \sqrt{9})$$

$$: (\sqrt{9} + 8) \times 7 + 6! = (-5 + 43) \times 21 - 0!$$

$$: (\sqrt{9} + 8) \times 7 + 6! = 5! - 43 + (2+1)!!$$

$$: -9 + 87 + 6! = 5 + 4! \times (32 + 1)$$
- 798

$$: 123 - 45 + 6! = 78 + (\sqrt{9})!!$$

$$: 9 \times 8 + 7 + 6! = (-5 + 43) \times 21$$

$$: -9 + 87 + 6! = (-5 + 43) \times 21$$

$$: -9 + 87 + 6! = 5 + 4! \times (32 + 1) + 0!$$
- 799

$$: 9 \times 8 + 7 + 6! = (-5 + 43) \times 21 + 0!$$

$$: 9 \times 8 + 7 + 6! = \sqrt{5^4} \times 32 - 1$$
- 801

$$: (1+2)!! + 3^4 = (5 + 6 + 78) \times 9$$
- 804

$$: (\sqrt{9})!! + 8 + 76 = 5! - 4 + 3!! - \sqrt{2^{10}}$$

$$: 12 \times (3 \times 4! - 5) = 6 + 78 + (\sqrt{9})!!$$
- 807

$$: (1+2)!! + 3 \times (4! + 5) = 6! + 78 + 9$$
- 807

$$: (\sqrt{9})!! + 87 = 6! + 5! - 4! - 3^2 - 1 + 0!$$

$$: (\sqrt{9})!! + 87 = 6 \times 5 \times (4! + 3) - 2 - 1$$

$$: (\sqrt{9})!! + 87 = 6 + 5! \times 4 + 321$$
- 808

$$: \sqrt{\sqrt{9^8}} + 7 + 6! = -5! - \sqrt{4} + 3!! + 210$$
- 810

$$: (12 + 3!) \times 45 = 6 \times (7 + 8) \times 9$$

$$: 9 \times (8 + 7) \times 6 = 54 \times 3/2 \times 10$$

$$: 98 - 7 + 6! = 54 \times (-3! + 21)$$
- 813

$$: (\sqrt{9})! + 87 + 6! = 5! - 4! + 3!! - 2 - 1$$
- 816

$$: 1 \times (2 \times 3)! - 4! + 5! = 6! + 7 + 89$$
- 816

$$: 9 + 87 + 6! = 5! - 4! + (3 \times 2)! \times 1$$

$$: 9 + 87 + 6! = 5! - 4 + 3!! - 21 + 0!$$

$$: 98 - 7 + 6! + 5 = 4 \times (-3! + 210)$$
- 817

$$: (\sqrt{9})!!/8 + 7 + 6! = 5! - 4! + (3 \times 2)! + 1$$
- 818

$$: ((\sqrt{9})! + 8) \times 7 + 6! = (5!/4!)! + 3!! - 21 - 0!$$

$$: ((\sqrt{9})! + 8) \times 7 + 6! = 5! - 4! + 3!! + 2 \times 1$$

$$: 1 \times 2 + 3!! - 4! + 5! = 6! + 7 \times (8 + (\sqrt{9})!)$$
- 820

$$: (-(-\sqrt{9} + 8)! + 7!)/6 = (5! \times \sqrt{4}/3 + 2) \times 10$$

$$: (-(-\sqrt{9} + 8)! + 7!)/6 = (-5! + (4 + 3)!)/(2 + 1)!$$
- 823

$$: -9 - 8 + 7!/6 = 5! + 4 + 3!! - 21$$
- 824

$$: -12 + 3!! - 4 + 5! = (6 + 7) \times 8 + (\sqrt{9})!!$$

$$: (\sqrt{9})!! + 8 \times (7 + 6) = 5! + 4 + 3!! - 21 + 0!$$
- 825

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

$$: 98 + 7 + 6! = 5 \times (4! \times 3! + 21)$$
- 826

$$: -(\sqrt{9})! - 8 + 7!/6 = (5! - \sqrt{4}) \times (3 \times 2 + 1)$$

$$: -(\sqrt{9})! - 8 + 7!/6 = \sqrt{5^4} \times (32 + 1) + 0!$$
- 828

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

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

$$: -9 - 8 + 7!/6 + 5 = 4 \times (-3 + 210)$$
- 829

$$: -\sqrt{9} - 8 + 7!/6 = 5^4 - 3! + 210$$
- 831

$$: - \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 7!/6 = (5 + 4 \times 3!)^2 - 10$$

- 832

$$: (-\sqrt{9})! \times 8 + 7!/6 = 5! - (\sqrt{4}) + 3!! - (2 + 1)!$$

$$: (-\sqrt{9})! \times 8 + 7!/6 = 5^4 - 3 + 210$$
- 833

$$: -1 - 2 + 3!! - 4 + 5! = 6! - 7 + (8 - \sqrt{9})!$$

$$: (-\sqrt{9} + 8)! - 7 + 6! = 5! - 4 - 3 + (2 + 1)!!$$

$$: (-\sqrt{9} + 8)! - 7 + 6! = 5 + 4 \times (-3 + 210)$$
- 835

$$: \sqrt{9} - 8 + 7!/6 = 5! - 4 + (3 \times 2)! - 1$$

$$: \sqrt{9} - 8 + 7!/6 = 5 \times (-43 + 210)$$
- 836

$$: (\sqrt{9} + 8) \times 76 = (-5 + 43) \times (21 + 0)!$$

$$: (\sqrt{9} + 8) \times 76 = 5! - 4 + (3 \times 2)! \times 1$$
- 837

$$: 9 \times (87 + 6) = 5 \times 4! + 3!! - 2 - 1$$
- 838

$$: (\sqrt{9})! - 8 + 7!/6 = 5! - 4 + 3!! + 2 \times 1$$

$$: (\sqrt{9})! - 8 + 7!/6 = 5^4 + 3 + 210$$
- 839

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

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

$$: (9 + 8) \times 7 + 6! = 5! + \sqrt{4} + 3!! - 2 - 1$$

$$: (-\sqrt{9} + 8)! \times 7 - 6 + 5 = 4! \times (3!^2 - 1) - 0!$$
- 840

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

$$: (1 + 2)!! - 3! + 4! \times 5 + 6 = 7 \times (8 - \sqrt{9})!$$

$$: 1^2 \times (3 + 4) \times 5! = 6! + ((7 + 8)/\sqrt{9})!$$

$$: 123 - \sqrt{4 + 5} + 6! = 7 \times (8 - \sqrt{9})!$$
- 840

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

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

$$: 98/7 \times (6 + 54) = 3!! + ((2 + 1)! - 0)!$$

$$: 98/7 \times \sqrt{6! \times 5} = (4 + 3)!/(2 + 1)!$$

$$: 98/7 \times \sqrt{6! \times 5} = 4!/3! \times 210$$
- 840

$$: - \left(\sqrt{\sqrt{\sqrt{9^8}}} \right) + 7 + 6! + 5! + \sqrt{4}$$

$$= 3!! + ((2 + 1)! - 0)!$$
- 840

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

$$: (-\sqrt{9} + 8)! \times 7 = 6 \times 5 \times (4 + 3 + 21)$$

$$: (-\sqrt{9} + 8)! \times 7 = 6 + 5! - 4 + 3!! - 2 \times 1$$

$$: (-\sqrt{9} + 8)! \times 7 = 6 + 5! - \sqrt{4} + 3!! - (2 + 1) - 0!$$
- 841

$$: (\sqrt{9} + 8) \times 76 + 5 = 4! \times (3!^2 - 1) + 0!$$

$$: 9 - 8 + 7!/6 = (5 + 4 \times 3!)^2 - 1 + 0!$$

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

$$: 9 - 8 + 7!/6 = 5 - 4 + 3!! + ((2 + 1)! - 0)!$$
- 842

$$: -(\sqrt{9})! + 8 + 7!/6 = 5! + (\sqrt{4} \times 3)! + 2 \times 1$$

$$: -(\sqrt{9})! + 8 + 7!/6 = 5! + \sqrt{4} + 3!! + 2 - 1 - 0!$$

$$: 9 \times (87 + 6) + 5 = \sqrt{4} + 3!! + ((2 + 1)! - 0)!$$
- 843

$$: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right) + 7!/6 = (5 + 4 \times 3!)^2 + 1 + 0!$$

$$: \left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right) + 7!/6 = 5! + 4 + (3 \times 2)! - 1$$
- 844

$$: (\sqrt{9} \times 8 + 7!/6) = 5! + 4 + (3 \times 2)! \times 1$$

$$: -9 + 8 + 7!/6 + 5 = 4 + 3!! + ((2 + 1)! - 0)!$$
- 845

$$: -\sqrt{9} + 8 + 7!/6 = 5! + 4 + (3 \times 2)! + 1$$

$$: -\sqrt{9} + 8 + 7!/6 = 5! + \sqrt{4} + 3!! + 2 + 1$$
- 846

$$: (1 + 2)! + (3 + 4) \times 5! = 6 + 7 \times (8 - \sqrt{9})!$$

$$: (-\sqrt{9} + 8)! \times 7 + 6 = (5! + 4! - 3) \times (2 + 1)!$$

$$: (-\sqrt{9} + 8)! \times 7 + 6 = 5! + \sqrt{4} + 3!! + 2 + 1 + 0!$$

- 847
: $1 + 2 + 3!! + 4 + 5! = 6! + 7 + (8 - \sqrt{9})!$
: $(-\sqrt{9} + 8)! + 7 + 6! = 5! + 4 + 3!! + 2 + 1$
- 848
: $(-(\sqrt{9})! + 8)^7 + 6! = 5! \times (4 + 3) - 2 + 10$
: $(-(\sqrt{9})! + 8)^7 + 6! = 5! + \sqrt{4} + 3!! + (2 + 1)!$
- 849
: $\left(\sqrt{\sqrt{\sqrt{9^8}}}\right) + 7!/6 = 5 \times 4! + 3^{(2+1)!}$
- 851
: $\sqrt{9} + 8 + 7!/6 = 5! + \sqrt{4} + 3^{(2+1)!}$
: $\sqrt{9} + 8 + 7!/6 = 5^4 \times 3 - 2^{10}$
- 852
: $(9 \times 8 + 7!)/6 = 5! + 4! + 3!! - 2 - 10$
: $(9 \times 8 + 7!)/6 = 5! + \sqrt{4} \times 3! + (2 + 1)!!$
- 852
: $(-\sqrt{9} + 8)! + 7 + 6! + 5 = 4 \times (3 + 210)$
- 854
: $(\sqrt{9})! + 8 + 7!/6 = (5! + \sqrt{4}) \times (3 \times 2 + 1)$
: $(\sqrt{9})! + 8 + 7!/6 = 5! + 4 + (3 \times 2)! + 10$
: $98/7 + 6! + 5! = 4! \times 3!^2 - 10$
: $\sqrt{\sqrt{\sqrt{9^8}}} + 7!/6 + 5 = 4! \times 3!^2 - 10$
- 855
: $(1 + 2)!! + 3 \times 45 = 6! + (7 + 8) \times 9$
: $(9 \times (8 + 7)) + 6! = 5 \times (4! + 3) + (2 + 1)!!$
- 857
: $9 + 8 + 7!/6 = 5 + 4 \times (3 + 210)$
- 860
: $((-\sqrt{9} + 8)! + 7!)/6! \times 5! = 43 \times 2 \times 10$
: $((-\sqrt{9} + 8)! + 7!)/6 = (54 + 32) \times 10$
: $9 \times (8 + 7) + 6! + 5 = 43 \times 2 \times 10$
- 862
: $-9 + 876 = 5 + 4! \times 3!^2 - 1 - 0!$
- 863
: $98 + 765 = 4! \times 3!^2 \times 1 - 0!$
: $98 + 765 = 4! \times 3!^2 - 1$
- 864
: $1 \times 2 \times 3 \times (4! + 5!) = (-6! + 7!)/(8 - \sqrt{9})$
: $12^3/\sqrt{4} = (5 + 6 + 7) \times 8 \times (\sqrt{9})!$
- 864
: $9 \times 8 \times (7!/6! + 5) = 4 \times (3! + 210)$
: $9 \times 8 \times (7!/6! + 5) = 4 \times 3!^{2+1}$
: $9 + 8 + 7 + 6! + 5! = 4 \times (3! + 210)$
- 864
: $\sqrt{9} \times 8 + 7!/6 = (5! + 4!) \times 3 \times 2 \times 1$
: $\sqrt{9} \times 8 + 7!/6 = 5! + 4! \times (32 - 1)$
: $\sqrt{9} \times 8 + 7!/6 = 5! + 4 + 3!! + 21 - 0!$
: $\sqrt{9} \times 8 + 7!/6 = 54 \times (3! + 2) \times (1 + 0)!$
- 865
: $((-\sqrt{9} + 8)! + 7!)/6 + 5 = 4! \times 3!^2 + 1$
- 867
: $-9 + 876 = 5! + 4! + 3!! + 2 + 1$
: $-9 + 876 = 5! + 4! + 3 + (2 + 1)!!$
- 870
: $(-\sqrt{9})! + 876 = 5 + 4! \times 3!^2 + 1$
: $(-\sqrt{9})! + 876 = 5 + 4 \times 3!^{2+1} + 0!$
- 873
: $-\sqrt{9} + 876 = 5! + 4! + 3^{(2+1)!}$
: $-\sqrt{9} + 876 = 5 + 4 \times (3!^{2+1} + 0!)$
- 879
: $\sqrt{9} + 876 = 5 + 4! \times 3!^2 + 10$
- 880
: $9 + 876 = 5 - 4! \times 3! + 2^{10}$

- 882
 $:(\sqrt{9})! + 876 = (5 + \sqrt{4}) \times 3! \times 21$
 $:(\sqrt{9})! + 876 = 54 \times 3 + (2 + 1)!!$
 $: 98 \times \sqrt{76 + 5} = (4! - 3)^2 \times (1 + 0!)$
- 885
 $: 9 + 876 = 5! + 4! + 3!! + 21$
- 887
 $:(\sqrt{9})! + 876 + 5 = 4! \times (3!^2 + 1) - 0!$
- 888
 $: -12 + 3!!/4 \times 5 = 6! + 7 \times 8 \times \sqrt{9}$
 $: -9 \times 8 + 7!/6 + 5! = 4! \times (3!^2 + 1)$
 $: \sqrt{9} \times 8 \times 7 + 6! = 5! + 4! \times 32 \times 1$
 $: \sqrt{9} \times 8 \times 7 + 6! = 5! + 4^3 \times (2 + 10)$
- 889
 $:(\sqrt{9})!! + (8! - 7!)/6! + 5! = 4! \times (3!^2 + 1) + 0!$
- 890
 $: 9 + 876 + 5 = (4! + 3!)^2 - 10$
- 898
 $: -(\sqrt{9})! - 8 \times (7!/6! - 5!) = (4! + 3!)^2 - 1 - 0!$
- 899
 $: 9 + 8 + 7 \times (6 + 5!) = (4! + 3!)^2 - 1$
- 900
 $:(1 + 2)!! + 3!!/4 = 5!/6 \times (7 + 8) \times \sqrt{9}$
 $:(\sqrt{9})!! \times (8 + 7)/\sqrt{6!/5} = (4! + 3!)^2 \times 1$
 $:(\sqrt{9})!! \times (8 + 7)/\sqrt{6!/5} = (-\sqrt{4} + 32)^{1+0!}$
- 901
 $:(9 + 8) \times (-7 + \sqrt{6! \times 5}) = (4! + 3!)^2 + 1$
- 902
 $:(\sqrt{9})! + 8 \times 7 + 6! + 5! = 43 \times 21 - 0!$
- 903
 $:(\sqrt{9})!! + (8! + 7!)/6! + 5! = 43 \times 21$
- 904
 $:(\sqrt{9})!! + 8 \times (-7 + 6 \times 5) = 43 \times 21 + 0!$
- 910
 $: 98/7 \times 65 = (4! + 3!)^2 + 10$
- 912
 $:(9 - 8 + 7) \times (-6 + 5!) = 4! \times (3!^2 + 1 + 0!)$
 $: 9 \times 8 + 7!/6 = 5! + 4! \times (32 + 1)$
- 930
 $:(1 + 2)! + 3!!/4 \times 5 = 6! + 7!/(8 \times \sqrt{9})$
 $:(9 + 8 + 7 + 6!) \times 5/4 = 3!! + 210$
 $:(\sqrt{9})!!/8 + 7!/6 = (5 - 4) \times 3!! + 210$
 $:(\sqrt{9})!!/8 + 7!/6 = 5!/4 \times (32 - 1)$
 $:\sqrt{9} \times (8 \times 7 + 6) \times 5 = (\sqrt{4} \times 3)! + 210$
 $:\sqrt{9} \times 8 + 7 \times (6 + 5!) + 4! = 3!! + 210$
 $:\sqrt{\sqrt{9^8}} + 7!/6 + 5 + 4 = 3!! + 210$
 $:\sqrt{\sqrt{9^8}} + 7 + 6! + 5! + \sqrt{4} = 3!! + 210$
- 933
 $:\sqrt{9 + 8! + 7!} + 6! = \sqrt{5 + 4} + 3!! + 210$
- 936
 $:(1 + 2)!^3 + (\sqrt{4 + 5})!! = (6 + 7) \times 8 \times 9$
 $: 9 \times 8 \times (7 + 6) = (5 \times 4! - 3) \times (-2 + 10)$
 $: 9 \times 8 \times (7 + 6) = (5 - \sqrt{4})!^3 + (2 + 1)!!$
- 938
 $: 98 + 7!/6 = 5! \times 4!/3 - 21 - 0!$
- 946
 $:- (\sqrt{9})! + 8 \times (-7 + 6 + 5!) = 43 \times (21 + 0!)$
- 951
 $: -9 + 8!/(7 \times 6) = 5 + 43 \times (21 + 0!)$

- 954

$$: (1+2)!! - 3! + \sqrt{4} \times 5! = 6! + 78 \times \sqrt{9}$$

$$: -(\sqrt{9})! + 8!/(7 \times 6) = (5! \times 4 - 3) \times 2 \times 1$$

$$: -\sqrt{9} + 87 \times (6+5) = 4! + 3!! + 210$$
- 956

$$: (\sqrt{9} + 8) \times 76 + 5! = 4 \times (3!!/(2+1) - 0!)$$
- 957

$$: -\sqrt{9} + 8!/(7 \times 6) = 5! \times (\sqrt{4})^3 - 2 - 1$$
- 959

$$: (-\sqrt{9})! + 8!/7/6 = 5!/4 \times 32 - 1$$

$$: (-\sqrt{9})! + 8!/7/6 = 5 \times 4! \times (3! + 2) - 1$$

$$: (-9 + 8) + 7!/6 + 5! = 4 \times 3!!/(2+1) - 0!$$
- 960

$$: (1+2)!!/3 \times 4 = 5! \times (6+7 - (8 - \sqrt{9}))$$

$$: (98/7 - 6) \times 5! = 4 \times 3!!/(2+1)$$

$$: (\sqrt{9})!! \times 8!/(7! \times 6) = (5+43) \times 2 \times 10$$

$$: (\sqrt{9})!! \times 8!/(7! \times 6) = 5!/4 \times 32 \times 1$$
- 961

$$: ((\sqrt{9})! + 8!/7)/6! \times 5! = 4 \times 3!!/(2+1)! + 0!$$

$$: ((\sqrt{9})! + 8!/7)/6 = 5!/4 \times 32 + 1$$

$$: ((\sqrt{9})! + 8!/7)/6 = 5 \times 4! \times (3! + 2) + 1$$
- 963

$$: \sqrt{9} + 8!/7/6 = \sqrt{5+4} \times 321$$
- 964

$$: (\sqrt{9} \times 8 + 7!)/6 + 5! = 4 \times (3!!/(2+1) + 0!)$$
- 966

$$: (\sqrt{9})! + 8!/(7 \times 6) = (5! \times 4 + 3) \times 2 \times 1$$
- 969

$$: 9 + 8!/7/6 = 5! \times \sqrt{4} + 3^{(2+1)!}$$
- 972

$$: 12 \times 3^4 = (5 \times 6 + 78) \times 9$$

$$: -\sqrt{9} + (8+7) \times 65 = 4 \times 3^{(2+1)!-0!}$$
- 987

$$: 987 = 6! + 5! + (4+3) \times 21$$

$$: 987 = 6! + 54 + 3 + 210$$

$$: 987 = 6! - 54 + 321$$

$$: 987 = 6 \times 5! + 4! + 3^{(2+1)!-0!}$$

$$: 987 = 6 + 5! \times 4!/3 + 21$$

$$: 987 = 65 \times 4 + 3!! + (2+1)! + 0!$$
- 993

$$: 987 + 6 = (5! + 4) \times (3! + 2) + 1$$
- 999

$$: \sqrt{9} + 876 + 5! = (4+3!)^{2+1} - 0!$$

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