

# Running Expressions in Increasing and Decreasing Orders of Natural Numbers Separated by Equality Signs

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

ABSTRACT. In this work, we established symmetric representation of numbers where one can use any of 9 digits giving the same number. The representations of natural numbers from 0 to 1000 are given using only single digit in all the nine cases, i.e., 1, 2, 3, 4, 5, 6, 7, 8 and 9. This is done only using basic operations: *addition, subtraction, multiplication, potentiation, division*.

## 1. INTRODUCTION

Author [9] studied previously, representation of numbers using the digits from 1 to 9 in increasing and decreasing orders. For comments see [1] [2] [7] [8]. Historical study of numbers and their properties can be found in [4] [5] [3] [6]. In [11] author studied representations of natural numbers using single digit out of nine {1, 2, 3, 4, 5, 6, 7, 9}. Extension of wild narcissistic numbers, calling "*Selfie Numbers*", studied by author [10]. This work deals with the running expression in terms of nine or ten digits of natural numbers in increasing and decreasing cases. These expressions are separated one and two equality signs.

We know that  $12 = 3 \times 4$  and  $56 = 7 \times 8$ . In each case we have four consecutive numbers. We can write expressions having all the nine or ten digits of natural numbers separated by equality sign, such as,  $1^{234} = (5 + 67)/(8 \times 9)$ . Below are more examples in increasing order of nine digits:

$$\begin{aligned}12 &= 3 + 4 + (5 \times 6 + 7 + 8)/9 \\123 &= 4 + 5 + 6 \times 7 + 8 \times 9 \\1234 &= -5 + 6! + 7 + 8^{\sqrt{9}} \\12 + 3 \times 4 + 5 \times (6 + 7) &= 89 \\1 + 23 + 45 + 6! &= 789.\end{aligned}$$

In decreasing case, one may have two possibilities either ending at 1 or at 0 as 987654321 or 9876543210 respectively. In this case, we have the following examples,

$$\begin{aligned}98 &= (7 + 6) \times 5 + 4 \times 3 + 21 \\987 &= 6! + 5! + (4 + 3) \times 21 \\98 - 7 \times (6 + 5) \times (4 - 3) &= 21 \\\sqrt{9} \times 87 + 6 + 54 &= 321 \\9 - 8 + 7! - 6 \times 5! &= 4321 \\9 \times (8 + 7) + 6 + 5 + 4^3 &= 210 \\(9 - 87 + 6!) \times 5! / 4! &= 3210.\end{aligned}$$

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

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

The above two examples divide the numbers in two parts 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*". The aim of this work is to see other possibilities having all these operations.

<sup>1</sup>Formerly, Professor of Mathematics, Universidade Federal de Santa Catarina, 88.040-900 Florianópolis, SC, Brazil. e-mail: [ijtaneja@gmail.com](mailto:ijtaneja@gmail.com).

## 2. RUNNING EXPRESSIONS WITH DOUBLE EQUALITY SIGNS

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. Decreasing case, we have as  $[9,8,7]=[6,5,4]=[3,2,1]$  or  $[3,2,1,0]$ . Here below are the some possible numbers.

$$\begin{aligned}
 1 &:= 1^{23} &= (4-5)^6 &= (-7+8)^9 \\
 &:= (9-8)^7 &= (6-5)^4 &= 3-2 \times 1 = (3-2)^{10}. \\
 2 &:= 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)!. \\
 3 &:= (-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. \\
 4 &:= 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}. \\
 5 &:= 1 \times 2+3 &= 4-5+6 &= (7+8)/\sqrt{9} \\
 &:= (\sqrt{9})!-8+7 &= 6-5+4 &= 3 \times 2-1. \\
 6 &:= 1 \times 2 \times 3 &= (4+5-6)! &= 7+8-9 \\
 &:= -9+8+7 &= 6 \times (5-4) &= 3 \times 2 \times 1. \\
 7 &:= 1+2 \times 3 &= -4+5+6 &= 7 \times (-8+9) \\
 &:= (9-8) \times 7 &= 6+5-4 &= 3 \times 2+1. \\
 8 &:= 1 \times 2^3 &= \sqrt{4+\sqrt{5 \times 6}}! = 7-8+9 \\
 &:= 9-8+7 &= \sqrt{6!/5-4} &= 3^2-1. \\
 9 &:= 12-3 &= \sqrt{4+5}+6 &= \sqrt{78+\sqrt{9}} \\
 &:= 9 \times (8-7) &= 6+\sqrt{5+4} &= 3^2 \times 1. \\
 10 &:= 9+8-7 &= 6!/5!+4 &= 3^2+1 = (3-2) \times 10. \\
 11 &:= \sqrt{9}+8!/7! &= 6+\sqrt{\sqrt{5^4}} &= 3! \times 2-1 = 3-2+10. \\
 12 &:= 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. \\
 13 &:= 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. \\
 14 &:= 98/7 &= -6+5 \times 4 &= 3!-2+10. \\
 16 &:= 9!/8!+7 &= 6+5 \times \sqrt{4} &= 3 \times 2+10. \\
 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. \\
 24 &:= 1+23 &= 4+5!/6 &= 7+8+9 \\
 &:= 9+8+7 &= (6-5) \times 4! &= 3+21. \\
 31 &:= \sqrt{9} \times 8+7 &= 6+\sqrt{5^4} &= 32-1. \\
 35 &:= (-\sqrt{9}+8) \times 7 &= 6+5+4! &= (3!)^2-1 = 3+\sqrt{2^{10}}. \\
 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.
 \end{aligned}$$

$$\begin{aligned}
 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 &:= (1 + 2 \times 3)! &= (-4 + 5 + 6)! &= 7! \times (-8 + 9) \\
 &:= (9 - 8) \times 7! &= (6 + 5 - 4)! &= (3 \times 2 + 1)!. \\
 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 &:= 1 \times (2^3)! &= \sqrt{4 + \sqrt{5 \times 6}}! &= (7 - 8 + 9)! \\
 &:= (9 - 8 + 7)! &= (\sqrt{6!/5} - 4)! &= (3^2 - 1)!. \\
 279936 &:= (\sqrt{9!/8!})^7 &= 6^{5+\sqrt{4}} &= 3!^{(2+1)!+0!}. \\
 362880 &:= (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. POSITIVE EXPRESSIONS WITH SINGLE EQUALITY SIGN

In the above section, we have expressions with positive as well as negative sign. Here below we shall present running expressions in increasing as well decreasing order of same number without negative sign but with single equality.

$16 := 12/3 \times 4$	$= 5 + 6 + (7 + 8)/\sqrt{9}$	$96 := 12 \times 3 + 4 + 56$	$= 7 + 89$
$:= (9 + 87)/6$	$= 5 + 4 + 3 \times 2 + 1.$	$:= 9 + 87$	$= 65 + 4 + 3! + 21$
		$:= 9 + 87$	$= 6 + 54 + 3 \times (2 + 10).$
$24 := 12 + 3 + 4 + 5$	$= \sqrt{6 \times (7 + 89)}$	$105 := (12 + 3) \times (\sqrt{4} + 5)$	$= 6! \times 7/(8 \times (\sqrt{9})!)$
$:= \sqrt{(9 + 87) \times 6}$	$= (5 + 4)/3 + 21$	$:= 98 + 7$	$= 6 \times 5 + 4! \times 3 + 2 + 1$
$:= 9 + 8 + 7$	$= 6 + 5 \times (4 + 32)/10.$	$:= 98 + 7$	$= 6 + 5 + 4 + 3^2 \times 10.$
$25 := 1 \times 23 + \sqrt{4}$	$= 56/7 + 8 + 9.$	$120 := 1 \times (2 + 3)!$	$= 4 + 5!/6 + 7 + 89$
$:= (9 + 87)/6 + 5 + 4$	$= 3 + 21 + 0!.$	$:= 98 + 7 + 6 + 5 + 4$	$= (3 + 2)! \times 1$
		$:= \sqrt{9} + 87 + 6 \times 5$	$= \sqrt{4} \times 3 \times 2 \times 10.$
$51 := 12 + 34 + 5$	$= 6 + (7 + 8) \times \sqrt{9}$	$125 := 1^{23} + 4 + 5!$	$= 6 + 7 \times (8 + 9)$
$:= \sqrt{9} \times (8 + 7) + 6$	$= 5 + 43 + 2 + 1.$	$:= (9 + 8) \times 7 + 6$	$= 5^4/(3 + 2) \times 1.$
$55 := 12/3 + 45 + 6$	$= 7 + 8 \times (\sqrt{9})!$	$130 := (1 + 2^{31}) \times \sqrt{4}$	$= 5 + 6 + 7 \times (8 + 9)$
$:= (\sqrt{9})! \times 8 + 7$	$= (65 + 43)/2 + 1.$	$:= 9 + 8 \times 7 + 65$	$= 4 + 3! \times 21$
$61 := 1^2 + 3 \times 4 \times 5$	$= 6 + 7 + 8 \times (\sqrt{9})!$	$:= 9 + 8 \times 7 + 65$	$= (4 + 3^2) \times 10.$
$:= (\sqrt{9})! \times 8 + 7 + 6$	$= 54 + 3 \times 2 + 1.$	$135 := (12 + 3) \times (\sqrt{4 + 5} + 6)$	$= (7 + 8) \times 9$
		$:= 9 \times (8 + 7!/6!)$	$= 5 + 4 + 3! \times 21.$
$72 := 12 \times 3!$	$= 45 + 6 + 7 + 8 + (\sqrt{9})!$	$143 := 123 + 4 \times 5$	$= (6 + 7) \times (8 + \sqrt{9})$
$:= 9 \times 8$	$= (7 + 6) \times 5 + 4 + 3 + 21 \times 0.$	$:= (\sqrt{9} + 8) \times (7 + 6)$	$= 5 + 4 \times 32 + 10.$
$76 := 12 \times 3! + 4$	$= 5 + 6 + 7 \times 8 + 9$	$144 := 12 \times 3 \times 4$	$= 5 + 67 + 8 \times 9$
$:= 9 + 8 \times 7 + 6 + 5$	$= 4 \times \sqrt{3!!/2 + 1}.$	$:= 9 \times 8 + 7 + 65$	$= (4 \times 3)^2 \times 1$
		$:= 9 \times 8 + 7 + 65$	$= 4 \times 3 \times (2 + 10).$
$79 := 1 \times 2 \times 34 + 5 + 6$	$= 7 + 8 \times 9$	$150 := (12 + 3) \times \sqrt{4} \times 5$	$= (6 \times 7 + 8) \times \sqrt{9}$
$:= 9 \times 8 + 7$	$= 6 + 5 \times \sqrt{4} + 3 \times 21$	$:= 9 + 8 + 7 + 6 + 5!$	$= 4! + 3! \times 21$
$:= 9 \times 8 + 7$	$= 6 + 54 + 3^2 + 10.$	$:= \sqrt{9} \times (8 + 7 \times 6)$	$= \sqrt{5 \times (43 + 2)} \times 10.$
$81 := 1^2 \times 3^4$	$= (5 + 67)/8 \times 9$	$168 := (1 + 2 \times 3) \times 4!$	$= (56 + 7) \times 8/\sqrt{9}$
$:= \sqrt{\sqrt{9^8}}$	$= 76 + 5 + 4321 \times 0.$	$:= \sqrt{9} \times 8 \times 7$	$= 6 + 54 \times 3 + 21 \times 0.$
$83 := 1 \times 2 + 3^4$	$= 5 + 67 + 8 + \sqrt{9}$	$182 := 12 + 34 \times 5$	$= (6 + 7) \times (8 + (\sqrt{9})!).$
$:= (\sqrt{9} + 8) \times 7 + 6$	$= 5 \times 4 + 3 \times 21.$	$:= ((\sqrt{9})! + 8) \times (7 + 6)$	$= 54 \times 3 + 2 \times 10.$
$87 := 12 \times 3 + 45 + 6$	$= 78 + 9$	$186 := 1 + (2 \times 3)!/4 + 5$	$= (6 + 7 \times 8) \times \sqrt{9}$
$:= \sqrt{9} + 8 + 76$	$= 54 + 32 + 1.$	$:= \sqrt{9} \times (8 \times 7 + 6)$	$= 5 + (4 + 3!)/(2 + 1 + 0!).$
$90 := 1^2 \times (34 + 56)$	$= (7 + 8) \times (\sqrt{9})!$	$189 := 1 + 2 \times 34 + 5!$	$= (6 + 7 + 8) \times 9$
$:= \sqrt{9} + 87$	$= 65 + 4 \times 3 \times 2 + 1$	$:= 9 \times (8 + 7 + 6)$	$= 54/3! \times 21.$
$:= \sqrt{9} + 87$	$= 65 + \sqrt{4} + 3 + 2 \times 10.$		

$$\begin{aligned} 216 &:= (1 + 2)^3 &= 4 \times 5 \times 6 + 7 + 89 \\ &:= 9 \times 8 \times \sqrt{\sqrt{76} + 5} &= (\sqrt{4} \times 3)^{2+1} \\ &:= 9 + 87 + 6 \times 5 \times 4 &= 3! + 210. \end{aligned}$$

$$\begin{aligned} 240 &:= 1 + 234 + 5 &= 6 + 78 \times \sqrt{9} \\ &:= \sqrt{9} \times (8 + 7 + 65) &= (4 + 3)!/21 \\ &:= \sqrt{9} \times (8 + 7 + 65) &= 4 \times 3 \times 2 \times 10. \end{aligned}$$

$$\begin{aligned} 244 &:= (1 + 2)!!/3 + 4 &= \sqrt{5^6} + 7 \times (8 + 9) \\ &:= (\sqrt{9})! \times 8 + 76 + 5! &= 4 + 3!!/(2 + 1). \end{aligned}$$

$$\begin{aligned} 260 &:= (1 + 2^3) \times 4 &= 5 \times 6 \times 78/9 \\ &:= 98 + 7 \times 6 + 5! &= \sqrt{4} \times ((3 + 2)! + 10). \end{aligned}$$

$$\begin{aligned} 270 &:= 1 \times 2 \times 3 \times 45 &= 6 \times (7 + 8) \times \sqrt{9} \\ &:= \sqrt{9} \times (8 + 7) \times 6 &= 54 \times (3 + 2) \times 1 \\ &:= \sqrt{9} \times (8 + 7) \times 6 &= 54 + 3! + 210. \end{aligned}$$

$$\begin{aligned} 312 &:= 1 \times 2^3 \times 4! + 5! &= (6 + 7) \times 8 \times \sqrt{9} \\ &:= \sqrt{9} \times 8 \times (7 + 6!/5!) &= 4! \times (3! \times 2 + 1) \\ &:= \sqrt{9} \times 8 \times (7 + 6!/5!) &= 4! \times (3!/2 + 10). \end{aligned}$$

$$\begin{aligned} 336 &:= (1 + 23)/4 \times 56 &= 7 \times 8 \times (\sqrt{9})! \\ &:= (\sqrt{9})! \times 8 \times 7 &= 6 + 5 + 4 + 321 \\ &:= (\sqrt{9})! \times 8 \times 7!/6! &= 5 \times 4! + 3! + 210. \end{aligned}$$

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

$$\begin{aligned} 522 &:= (1 + 2) \times 3! \times (4! + 5) &= 6 \times (78 + 9) \\ &:= (\sqrt{9})! \times 87 &= 6 + 5! \times 4 + 3!^2 \times 1 \\ &:= (\sqrt{9})! \times 87 &= 6 + 5! \times 4 + 3 \times (2 + 10). \end{aligned}$$

$$\begin{aligned} 540 &:= 1 \times 2 \times 3! \times 45 &= 6 \times (7 + 8) \times (\sqrt{9})! \\ &:= (\sqrt{9} + 8 + 7) \times 6 \times 5 &= (4! + 3) \times 2 \times 10. \end{aligned}$$

$$\begin{aligned} 648 &:= (1 + 2)^3 \times 4! &= (5 \times 6 + 78) \times (\sqrt{9})! \\ &:= 9 \times 8 \times \sqrt{76} + 5 &= 4! \times (3! + 21). \end{aligned}$$

$$\begin{aligned} 720 &:= (1 + 2)!! &= 3 + 4 + 5 + 6 + 78 \times 9 \\ &:= 98 \times 7 + 6 \times 5 + 4 &= (3 \times 2 \times 1)! \\ &:= (\sqrt{9})!! &= 8 + 76 + 5! + 43 \times (2 + 10). \end{aligned}$$

$$\begin{aligned} 723 &:= (1 + 2)!! + 3 &= 4 + 5 + 6 \times 7 \times (8 + 9) \\ &:= (9 + 8) \times 7 \times 6 + 5 + 4 &= 3!! + 2 + 1. \end{aligned}$$

$$\begin{aligned} 726 &:= (1 + 2)!! + 3! &= 45 + 678 + \sqrt{9} \\ &:= (\sqrt{9})! \times (8 \times 7 + 65) &= 4 + 3!! + 2 \times 1. \end{aligned}$$

$$\begin{aligned} 728 &:= 1^{2345} + 6! + 7 &= 8 + (\sqrt{9})!! \\ &:= (\sqrt{9})!! + 8 &= 76 + 5^4 + 3^{2+1} \\ &:= (\sqrt{9})!! + 8 &= 7 + 6 + 5^4 + 3^2 \times 10. \end{aligned}$$

$$\begin{aligned} 741 &:= 12 + 3!! + 4 + 5 &= 6 + 7 + 8 + (\sqrt{9})!! \\ &:= 9 + 8 \times 76 + 5! + 4 &= 3!! + 21. \end{aligned}$$

$$\begin{aligned} 746 &:= 1 \times 2 + 3!! + 4! &= 5! \times 6 + 78/\sqrt{9} \\ &:= (\sqrt{9})! + 8 + 7 + 6! + 5 &= 4! + 3!! + 2 \times 1. \end{aligned}$$

$$\begin{aligned} 751 &:= 1 \times 2 + 3!! + 4! + 5 &= 6! + 7 + 8 \times \sqrt{9} \\ &:= \sqrt{9} \times 8 + 7 + 6! &= 5^4 + 3! \times 21 \\ &:= 98 \times 7 + 65 &= 4! + 3! + (2 + 1)!! + 0!. \end{aligned}$$

$$\begin{aligned} 776 &:= 1 + (2 + \sqrt{3^4}) \times 5 + 6! &= 7 \times 8 + (\sqrt{9})!! \\ &:= (\sqrt{9})!! + 8 \times 7!/6! &= 54 + 3!! + 2 \times 1 \\ &:= \sqrt{9} + 8 + 765 &= 4! + 3!! + \sqrt{2^{10}}. \end{aligned}$$

$$\begin{aligned} 785 &:= 1 + 2^3 + (\sqrt{4 + 5})!! &= 6! + 7 \times 8 + 9 \\ &:= 9 + 8 \times 7 + 6! &= (\sqrt{5^4} + 3)^2 + 1 \\ &:= 9 + (8 \times 7) + 6 \times 5! &= 4^3 + (2 + 1)!! + 0!. \end{aligned}$$

$$\begin{aligned} 789 &:= 1 + 23 + 45 + 6! &= 789 \\ &:= 9 \times 87 + 6 &= 5 + 4^3 + (2 + 1)!!. \end{aligned}$$

$$\begin{aligned} 807 &:= (1 + 2)!! + 3 \times (4! + 5) &= 6! + 78 + 9 \\ &:= (\sqrt{9})!! + 87 &= 6 + 5! \times 4 + 321. \end{aligned}$$

$$\begin{aligned} 810 &:= (12 + 3!) \times 45 &= 6 \times (7 + 8) \times 9 \\ &:= 9 \times (8 + 7) \times 6 &= 54 \times 3/2 \times 10. \end{aligned}$$

$$\begin{aligned} 840 &:= 1^2 \times (3 + 4) \times 5! &= 6! + ((7 + 8)/\sqrt{9})! \\ &:= 98/7 \times \sqrt{6!} \times 5 &= (4 + 3)!/(2 + 1)! \\ &:= 98/7 \times \sqrt{6!} \times 5 &= 4!/3! \times 210. \end{aligned}$$

$$\begin{aligned} 855 &:= (1 + 2)!! + 3 \times 45 &= 6! + (7 + 8) \times 9 \\ &:= (9 \times (8 + 7)) + 6! &= 5 \times (4! + 3) + (2 + 1)!!. \end{aligned}$$

$$\begin{aligned} 864 &:= 12^3/\sqrt{4} &= (5 + 6 + 7) \times 8 \times (\sqrt{9})! \\ &:= 9 \times 8 \times (7!/6! + 5) &= 4 \times 3!^{2+1}. \\ &:= 9 + 8 + 7 + 6! + 5! &= 4 \times (3! + 210). \end{aligned}$$

$$\begin{aligned} 900 &:= (1 + 2)!! + 3!!/4 &= 5!/6 \times (7 + 8) \times \sqrt{9} \\ &:= (\sqrt{9})!! \times (8 + 7)/\sqrt{6!/5} &= (4! + 3!)^2 \times 1. \end{aligned}$$

$$\begin{array}{l}
 930 := ((1 + 2)! + 3!!/4) \times 5 \\
 := (9 + 8 + 7 + 6!) \times 5/4 \\
 \\
 1296 := \sqrt{(12 \times 3)^4} \\
 := 9 \times 8 \times (7 + 6 + 5) \\
 \\
 1452 := 12 + 3!! \times \sqrt{4} \\
 := \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 + 6! + 5 = \sqrt{4} \times (3! + (2 + 1)!!). \\
 \\
 1455 := 1 + 2 \times (3!! + \sqrt{4} + 5) \\
 := (\sqrt{9})!! + 8 + 7 + 6! \\
 := (\sqrt{9})!! + 8 + 7 + 6! \\
 \\
 1800 := (12 + 3) \times 4! \times 5 \\
 := (\sqrt{9})!! \times (8 + 7)/6 \\
 := (\sqrt{9})!! \times (8 + 7)/6 \\
 \\
 2016 := (1 + 2)!! + 3!^4 \\
 := 98/7 \times 6!/5 \\
 \\
 2520 := (1 + 2 \times 3)!/\sqrt{4} \\
 := \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times 7!/6 \\
 \\
 2880 := (\sqrt{12 \times 3})! \times 4 \\
 := (9 + 87) \times 6 \times 5 \\
 := (9 + 87) \times 6 \times 5 \\
 \\
 3780 := (12 + 3!! + 4!) \times 5 \\
 := (\sqrt{9})!!/8 \times 7 \times 6 \\
 := 9 \times (8 + 76) \times 5 \\
 \\
 5040 := (1 + 2 \times 3)! \\
 := \sqrt{9} \times (8 + 76) \times 5 \times 4 \\
 := (\sqrt{9})!! + 8 \times (7 + 6) + 5! + 4^{3!} = ((2 + 1)! + 0!)!. \\
 \\
 5054 := 1 \times 2^3 + (\sqrt{4} + 5)! + 6 \\
 := (\sqrt{9})! + 8 + 7! \\
 \\
 5057 := 12 + (3 + 4)! + 5 \\
 := 9 + 8 + 7! \\
 \\
 5060 := (1 + 2 \times 3)! + 4 \times 5 \\
 := (\sqrt{9})! + 8 + 7! + 6
 \end{array}
 \qquad
 \begin{array}{l}
 = 6! + 7!/(8 \times \sqrt{9}) \\
 = 3!! + 210. \\
 \\
 = (5! + 6)/7 \times 8 \times 9 \\
 = (4 + 32)^{1+0!}. \\
 \\
 = (\sqrt{5^6} + 7) \times (8 + \sqrt{9}) \\
 = \sqrt{4} \times (3! + (2 + 1)!!). \\
 \\
 = 6! + 7 + 8 + (\sqrt{9})!! \\
 = (5 + \sqrt{4} + 3!!) \times 2 + 1 \\
 = 5 + (\sqrt{4} \times 3)! \times 2 + 10. \\
 \\
 = 6! \times (7 + 8)/(\sqrt{9})! \\
 = 5! \times (4 \times 3 + 2 + 1) \\
 = 5 \times (4 + 32) \times 10. \\
 \\
 = (5! + (6 + 7) \times 8) \times 9 \\
 = (\sqrt{4^3})!/(2 \times 10). \\
 \\
 = 56 \times (7 + 8) \times \sqrt{9} \\
 = 5 \times 4 \times 3! \times 21. \\
 \\
 = 5 \times 6 \times (7 + 89) \\
 = 4 \times (3 \times 2)! \times 1 \\
 = 4! \times 3! \times 2 \times 10. \\
 \\
 = 6! \times 7/8 \times (\sqrt{9})! \\
 = 5!/4 \times 3! \times 21 \\
 = 54/3 \times 210. \\
 \\
 = 4 \times 5 \times (6 + 78) \times \sqrt{9} \\
 = (3 \times 2 + 1)! \\
 = ((2 + 1)! + 0!)!. \\
 \\
 = 7! + 8 + (\sqrt{9})! \\
 = 6 + 5 + (4 + 3)! + 2 + 1. \\
 \\
 = 6! \times 7 + 8 + 9 \\
 = 6 + 5 + (4 + 3)! + (2 + 1)!. \\
 \\
 = 6 + 7! + 8 + (\sqrt{9})! \\
 = 5 \times 4 + (3 \times 2 + 1)!
 \end{array}
 \qquad
 \begin{array}{l}
 5064 := (1 + 2)! \times (3!! + 4) + 5! \times 6 \\
 := \sqrt{9} \times 8 + 7 \times 6 \times 5! \\
 := \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7! + 6 + 5 \\
 \\
 5112 := 12 \times 3 \times (\sqrt{4} + 5!) + 6! \\
 := 9 \times 8 + 7! \\
 := 9 \times 8 + 7! \\
 \\
 5184 := (12 \times 3!)^{\sqrt{4}} \\
 := 9 \times 8 \times (7 + 65) \\
 \\
 5771 := 1 + 2 \times (3!! \times 4 + 5) \\
 := \sqrt{9} + 8 + 7! + 6! \\
 \\
 5773 := 1 + 2 \times (3! + 4! \times 5!) \\
 := (\sqrt{9})!! \times 8 + 7 + 6 \\
 \\
 8664 := 12 \times (3!! + \sqrt{4}) \\
 := \sqrt{9} \times 8 + 7! + 6! \times 5 \\
 \\
 8688 := 12 \times (3!! + 4) \\
 := (\sqrt{9})! \times 8 + 7! + 6! \times 5 \\
 \\
 12960 := 12 \times 3^{\sqrt{4}} \times 5! \\
 := (\sqrt{9} + 8 + 7) \times 6! \\
 := (\sqrt{9} + 8 + 7) \times 6! \\
 \\
 15120 := (1 + 2) \times (3 + 4)! \\
 := 9 \times (8 + 76) \times 5 \times 4 \\
 := 9 \times 8 \times 7 \times 6 \times 5 \\
 \\
 15144 := (1 + 2) \times (3! + (\sqrt{4} + 5)!) + 6 = (7! + 8) \times \sqrt{9} \\
 := \sqrt{9} \times (8 + 7!) \\
 := \sqrt{9} \times (8 + 7!) \\
 \\
 17280 := 12^3 \times \sqrt{4} \times 5 \\
 := \sqrt{9} \times (8 + 7!) \\
 := \sqrt{9} \times (8 + 7!) \\
 \\
 17280 := (9 + 8 + 7) \times 6 \times 5! \\
 := (9 + 8 + 7) \times 6! \\
 \\
 17304 := (1 + (2 \times 3)!) \times 4! \\
 := \sqrt{9} \times (8 + 7! + 6 \times 5!) \\
 := \sqrt{9} \times (8 + 7! + 6!)
 \end{array}
 \qquad
 \begin{array}{l}
 = 7! + 8 \times \sqrt{9} \\
 = 4! + (3 \times 2 + 1)! \\
 = (4 + 3)! + 2 \times 10. \\
 = 7! + 8 \times 9 \\
 = 6! + (5! + \sqrt{4}) \times 3!^2 \times 1 \\
 = 6! + (5! + \sqrt{4}) \times 3 \times (2 + 10). \\
 = (5 + 67) \times 8 \times 9 \\
 = (4! \times 3)^2 \times 1. \\
 = 6! + 7! + 8 + \sqrt{9} \\
 = (5 + 4 \times 3!!) \times 2 + 1. \\
 = 6 + 7 + 8 \times (\sqrt{9})!! \\
 = (5! \times 4! + 3!) \times 2 + 1. \\
 = 5 \times 6! + 7! + 8 \times \sqrt{9} \\
 = (4! \times (3!!/2 + 1)). \\
 = 5 \times 6! + 7! + 8 \times (\sqrt{9})! \\
 = (4 + 3!!) \times (2 + 10). \\
 = 6! \times (7 + 8 + \sqrt{9}) \\
 = 54 \times 3!!/(2 + 1) \\
 = 5! + 4 \times 3210. \\
 = 5 \times 6 \times 7 \times 8 \times 9 \\
 = 3!! \times 21 \\
 = 4! \times 3 \times 210. \\
 = (7! + 8) \times \sqrt{9} \\
 = 6!/5! \times 4 + 3!! \times 21 \\
 = (6 + 5^4) \times 3! \times (2 + 1 + 0!). \\
 = 6! \times (7 + 8 + 9) \\
 = 6!/5! \times 4 + 3!! \times 21 \\
 = (6 + 5^4) \times 3! \times (2 + 1 + 0!). \\
 = 4! \times (3 \times 2)! \times 1 \\
 = 54 \times (32 \times 10). \\
 = (5! \times 6 + 7! + 8) \times \sqrt{9} \\
 = 4! \times ((3 \times 2)! + 1) \\
 = \sqrt{5! + 4!} \times (3!! \times 2 + 1 + 0!).
 \end{array}$$

$17424 := ((1 + 2)! + 3!) \times 4!$	$= 5! + (6! + 7! + 8) \times \sqrt{9}$	$45366 := (1 + 2)! + 3!/\sqrt{4} \times (5! + 6)$	$= (7! + 8!) + (\sqrt{9})!$
$:= \sqrt{9} \times (8 + 7! + 6!) + 5!$	$= 4! \times (3! + (2 + 1)!).$	$:= (\sqrt{9})! + 8! + 7!$	$= 6 + (5 + \sqrt{4})! \times 3^2 \times 1.$
$17448 := (1 \times 2 + 3!) \times 4! + 5!$	$= (6! + 7) \times 8 \times \sqrt{9}$	$46080 := 1 \times 2^{3!} \times 4! \times 5 \times 6$	$= 7! + 8! + (\sqrt{9})!!$
$:= \sqrt{9} \times 8 \times (7 + 6!)$	$= 5! + 4! \times (3!! + 2 \times 1)$	$:= (\sqrt{9})!! + 8! + 7 \times 6!$	$= 5! \times (4! + 3!!/2 \times 1)$
$:= \sqrt{9} \times 8 \times (7 + 6 \times 5!)$	$= 4! \times (3!! + (2 + 1)! + 0!).$	$:= (\sqrt{9})!! + 8! + 7 \times 6!$	$= 5! \times 4 \times 3 \times \sqrt{2^{10}}.$
$18000 := (1 + 2)!! + 3!! \times 4!$	$= 5 \times 6! \times (7 + 8)/\sqrt{9}$	$46656 := (1 + 2)^{3!}$	$= 4 \times (5! + 6 \times 7) \times 8 \times 9$
$:= \sqrt{9} \times 8!/7 + 6!$	$= (5! + 4 \times 3!!) \times (2 + 1)!.$	$:= \sqrt{9^8} \times 7 + 6! + 5 + 4$	$= (3!)^{(2+1)!}.$
$22320 := (1 + 2)! \times (3!! + 4!) \times 5$	$= 6! \times (7 + 8 \times \sqrt{9})$	$46800 := (1 + 2)^{3!} + 4! + 5!$	$= 6! \times (7 \times 8 + 9)$
$:= (\sqrt{9} \times 8 + 7) \times 6!$	$= (\sqrt{5^4} + 3!) \times (2 + 1)!!$	$:= (9 + 8 \times 7) \times 6!$	$= 5! + 4! + (3!)^{(2+1)!}.$
$:= \sqrt{9} \times (8 \times 7 + 6) \times 5!$	$= 4! \times (3!! + 210).$	$50400 := 1 \times 2 \times (3 + 4)! \times 5$	$= 6! \times 7!/(8 \times 9)$
$30288 := (1 + 2 + (3 + 4)! + 5) \times 6$	$= (7! + 8) \times (\sqrt{9})!$	$:= 98/7 \times 6! \times 5$	$= (\sqrt{4} + 3 + 2)! \times 10.$
$:= (\sqrt{9})! \times (8 + 7!)$	$= 6 \times (5 + (4 + 3)! + 2 + 1)$	$60480 := 12 \times (3 + 4)!$	$= 5! \times 6 \times (78 + (\sqrt{9})!)$
$:= (\sqrt{9})! \times (8 + 7!)$	$= 6 + (5 + \sqrt{4}) \times 3! \times ((2 + 1)! + 0!).$	$:= 9 \times 8 \times 7!/6$	$= (5 + \sqrt{4})! \times 3! \times 2 \times 1.$
$32400 := 1^2 \times 3!! \times 45$	$= 6! \times (7 + 8) \times \sqrt{9}$	$64800 := 1 \times 2 \times 3!! \times 45$	$= 6! \times (7 + 8) \times (\sqrt{9})!$
$:= \sqrt{9} \times (8 + 7) \times 6!$	$= (5!/\sqrt{4} \times 3)^2 \times 1.$	$:= (\sqrt{9} + 87) \times 6!$	$= 54 \times (3 + 2)! \times 10.$
$34560 := (\sqrt{9})!! \times 8!/7! \times 6$	$= 5! \times 4 \times 3! \times (2 + 10)$	$75600 := (12 + 3) \times (\sqrt{4} + 5)!$	$= 6! \times 7!/(8 \times (\sqrt{9})!)$
$:= 12^3 \times 4 \times 5$	$= 6!/(7 + 8) \times (\sqrt{9})!!.$	$:= (98 + 7) \times 6!$	$= 5 \times (4 + 3)! \times (2 + 1).$
$40326 := 1 + 2 \times (3 + 4)! + 5 + 6 \times 7!$	$= 8! + (\sqrt{9})!$	$:= (98 + 7) \times 6!$	$= 5 \times 4! \times 3 \times 210.$
$:= (\sqrt{9})! + 8 \times 7!$	$= 6 \times (5! \times (4! + 32) + 1)$	$80640 := 1 \times 2 \times (3!/\sqrt{4} + 5)!$	$= 6 \times 7! \times 8/\sqrt{9}$
$:= (\sqrt{9})! + 8!$	$= 7! \times 6!/5! + \sqrt{4} \times (3 + ((2 + 1)! + 0!)).$	$:= ((\sqrt{9})! + 8) \times (7! + 6 \times 5!)$	$= (\sqrt{4^3})! \times 2 \times 1.$
$40332 := 1 \times (2^3)! + \sqrt{4! + 5!}$	$= 6 + 7! \times 8 + (\sqrt{9})!$	$86400 := ((1 + 23)/4)! \times 5!$	$= 6! + 7! \times (8 + 9)$
$:= (\sqrt{9})! + 8 \times 7! + 6$	$= \sqrt{5! + 4!} + (3! + 2)! \times 1.$	$:= (9 + 8) \times 7! + 6!$	$= 5!^{\sqrt{4}} \times (3 + 2 + 1).$
$40333 := 1 \times (2^3)! + \sqrt{4} + 5 + 6$	$= 7 + 8! + (\sqrt{9})!$	$97200 := (1 + 2) \times 3!! \times 45$	$= 6! \times (7 + 8) \times 9$
$:= (\sqrt{9})! + 8! + 7$	$= 6 + 5 + (\sqrt{4^3})! + 2 \times 1.$	$:= 9 \times (8 + 7) \times 6!$	$= 5 \times (4! + 3) \times (2 + 1)!!.$
$40336 := 1 + (2^3)! + 4 + 5 + 6$	$= 7 + 8! + 9$	$120960 := (123 + 45) \times 6!$	$= 7! \times 8 \times \sqrt{9}$
$:= 9 + 8! + 7$	$= 6 + 5 + 4 + (3! + 2)! + 1$	$:= \sqrt{9} \times 8 \times 7!$	$= 6 \times 5! \times 4! \times (3 \times 2 + 1)$
$:= 9 + 8! + 7$	$= 6!/(5 \times 4!) + (3! + 2)! + 10.$	$:= \sqrt{9} \times 8 \times 7!$	$= 6 \times 5! \times 4 \times (32 + 10).$
$41040 := 12 \times 3! \times 4 \times \sqrt{5^6} + 7!$	$= 8! + (\sqrt{9})!!$	$120981 := (1 + 2) \times ((3! + \sqrt{4})! + 5) + 6$	$= (7 + 8!) \times \sqrt{9}$
$:= (\sqrt{9})!! + 8!$	$= 76 + (5 \times 4^{3!} + 2) \times (1 + 0!).$	$:= \sqrt{9} \times (8! + 7)$	$= (6! + 5!) \times 4! \times 3! + 21.$
$41047 := 1 \times 2 + (3! + \sqrt{4})! + 5 + 6!$	$= 7 + 8! + (\sqrt{9})!!$	$126000 := (1^2 + 34) \times 5 \times 6!$	$= 7! + 8! \times \sqrt{9}$
$:= (\sqrt{9})!! + 8! + 7$	$= 6! + 5 + \sqrt{4} + (3! + 2)! \times 1.$	$:= \sqrt{9} \times 8! + 7!$	$= 6! + (5 + 4!) \times 3! \times (2 + 1)!!.$
$44640 := 12 \times (3!! + 4!) \times 5$	$= (6 + 7 \times 8) \times (\sqrt{9})!!$	$129600 := (1 + 2)!! \times 3!!/4$	$= 5 \times 6! + 7! + 8! \times \sqrt{9}$
$:= ((\sqrt{9})! + 8 \times 7) \times 6!$	$= (5! + 4) \times 3!!/2 \times 1.$	$:= \sqrt{9} \times (8 + 7) \times 6 \times 5! \times 4$	$= (3!!/2)^{1+0!}.$
$45363 := 1 + 2 + 3!!/\sqrt{4} \times (5! + 6)$	$= 7! + 8! + \sqrt{9}$	$136080 := 1 \times 2 \times 3^4 \times (5! + 6!)$	$= (7! + 8!) \times \sqrt{9}$
$:= \sqrt{9} + 8! + 7!$	$= (6! + 5!^{\sqrt{4}}) \times 3 + 2 + 1.$	$:= \sqrt{9} \times (8! + 7 \times 6!)$	$= (5 + 4) \times 3!! \times 21.$

$$\begin{aligned}
138240 &:= (1+2)!! \times 3! \times \sqrt{4^5} &= (6!+7!+8!) \times \sqrt{9} &362893 &:= 1+2 \times 3!+(4+5)! &= 6+7+8! \times 9 \\
&:= \sqrt{9} \times 8 \times (7!+6!) &= 5 \times 4!^3 \times 2 \times 1. &&:= 9 \times 8!+7+6 &= \sqrt{5!+4!}+(3^2)!+1. \\
207360 &:= 12 \times 3!! \times 4! &= (5 \times 6!+7!) \times 8 \times \sqrt{9} &362943 &:= (1+2)+(\sqrt{3^4})!+\sqrt{5 \times 6!} &= (7+8!) \times 9 \\
&:= (\sqrt{9}) \times 8 \times (7!+6! \times 5) &= 4! \times 3!! \times (2+10). &&:= 9 \times (8!+7!/6!) &= (5+4)!+3 \times 21. \\
241926 &:= (1+(2^3)!) \times (\sqrt{4+5})! &= 6+7! \times 8 \times (\sqrt{9})! &367920 &:= (1+2 \times 3)!(4+5)! &= 6! \times 7+8! \times 9 \\
&:= (\sqrt{9})! \times 8 \times 7!+6 &= 5+(\sqrt{4^3})! \times (2+1)!+0!. &&:= 9 \times 8!+7! &= 6! \times (5+\sqrt{4})+(3^2)! \times 1 \\
&&&&:= 9 \times 8!+7! &= (6+5!) \times 4 \times ((3 \times 2)!+10). \\
241927 &:= 1+(2+3)! \times (\sqrt{4+5})!+6 &= 7+8! \times (\sqrt{9})! &403200 &:= 1 \times (2^3)!(4+5)! &= 6! \times 7 \times 8+9! \\
&:= (\sqrt{9})! \times 8!+7 &= 6+(5+4)!/3 \times 2+1 &&:= 9!+8 \times 7! &= 6! \times (5+\sqrt{4})/(3!+2+1) \\
&:= (\sqrt{9})! \times 8!+7 &= 6+(5+4)!/3 \times 2 \times 1+0!. &&:= 9!+8 \times 7! &= 6 \times 5 \times 4^3 \times 210. \\
242640 &:= (1+2)! \times ((3!+\sqrt{4})!+5!) &= 6!+7! \times 8 \times (\sqrt{9})! &403207 &:= 1+(2^3)!(4+5)!+6 &= 7+8!+9! \\
&:= (\sqrt{9})!! \times 8 \times 7! \times 6 &= (5!+(\sqrt{4^3})!) \times (2+1)!. &&:= 9!+8!+7 &= 6+(5+4)!+(3!+2)!+1 \\
259200 &:= 12 \times 3!!/4 \times 5! &= 6! \times 7!/(8+(\sqrt{9})) &&:= 9!+8!+7!/6! &= 5+\sqrt{4}+(3!+2)! \times 10. \\
&:= 9 \times 8!/7! \times 6! \times 5!/4! &= 3!!^2/(1+0!). &414720 &:= 12^3 \times \sqrt{4} \times 5! &= (6!+7!) \times 8 \times 9 \\
&&&&:= 9 \times 8 \times (7!+6 \times 5!) &= 4! \times 3!! \times (2+1+0)!. \\
272160 &:= (1+2^3) \times (\sqrt{4+5})! \times 6 &= (7!+8!) \times (\sqrt{9})! &453600 &:= (12+3) \times (\sqrt{4+5})! \times 6 &= 7!/8 \times (\sqrt{9})!! \\
&:= 9!/(8!/7!) \times 6 &= 54 \times (3 \times 2+1)!. &&:= (\sqrt{9})!!/8 \times 7 \times 6! &= 5!/4 \times 3!! \times 21 \\
&&&&:= (\sqrt{9})!!/8 \times 7! &= 6 \times (5+\sqrt{4})! \times (3+2+10). \\
276480 &:= 12 \times 3!! \times \sqrt{4^5} &= 6 \times (7!+8!+(\sqrt{9})!!) &524880 &:= (1+2)^{3!} \times (\sqrt{4+5})!! &= (6+7) \times 8!+(\sqrt{9})!! \\
&:= (\sqrt{9})! \times 8 \times (7!+6 \times 5!) &= 4!^3 \times 2 \times 10. &&:= (\sqrt{9})!!+8! \times (7+6) &= (\sqrt{5+4})!! \times 3^{(2+1)!}. \\
282246 &:= 1 \times (2^3)! \times (\sqrt{4+5})+6 &= 7 \times 8!+(\sqrt{9})! &645120 &:= 1 \times (2^3)!/45 \times 6! &= 7 \times 8!+9! \\
&:= (\sqrt{9})!+8! \times 7 &= 6+(5+\sqrt{4}) \times (3!+2)! \times 1. &&:= 9!+8! \times 7 &= (6!+5!) \times 4! \times 32 \times 1 \\
&&&&:= 9!+8! \times 7 &= (6+5!) \times \sqrt{4^{(3^2)}} \times 10. \\
282960 &:= 1 \times (2+3)! \times (\sqrt{4+5})+6! &= 7 \times 8!+(\sqrt{9})!! &846720 &:= (1+2) \times (3+4)! \times 56 &= 7 \times 8! \times \sqrt{9} \\
&:= (\sqrt{9})!!+8! \times 7 &= 6!+(5+\sqrt{4}) \times (3!+2)! \times 1. &&:= \sqrt{9} \times 8! \times 7!/6! &= \left(\sqrt{\sqrt{5^4}+3}\right)! \times 21 \\
&&&&:= \sqrt{9} \times 8! \times 7!/6! &= (5+4)!/3 \times ((2+1)!+0!). \\
288000 &:= ((1+2)!!/3)^{\sqrt{4}} \times 5 &= 6!+7 \times (8!+(\sqrt{9})!!) &&& \\
&:= ((\sqrt{9})!!+8!) \times 7+6! &= 5 \times 4 \times (3+2)!^{1+0!}. &&& \\
362880 &:= 1 \times (2^3)! \times 4+5 \times 6! \times 7 \times 8=9! &&&& \\
&:= 9! &= 8 \times 7!+(6!+5!) \times \sqrt{4^{3!}} \times (2+1)! &&& \\
&:= 9 \times 8! &= 7!+6!+5! \times (4!+3!!) \times 2 \times (1+0!). &&&
\end{aligned}$$



#### 4. POSITIVE EXPRESSIONS IN INCREASING ORDER WITH EQUALITY SIGN

This section deals with the positive expression in increasing and decreasing orders of 1 to 9 separated by equality sign.

##### 4.1. Increasing orders of 1 to 9.

$1 := 1^{234}$	$= (5 + 67)/(8 \times 9).$	$504 := 12 + 3! + 4 \times 5! + 6$	$= 7 \times 8 \times 9.$
$12 := 12$	$= 3 + 4 + (5 \times 6 + 7 + 8)/9.$	$510 := (1 + 2) \times 34 \times 5$	$= 6 + 7 \times 8 \times 9.$
$21 := (1 + 2) \times (3 + 4)$	$= \sqrt{56 \times 7/8 \times 9}.$	$512 := (12 + 3 \times 4) \times 5 + 56 \times 7 = 8^{\sqrt{9}}.$	
$26 := 1^{23} \times 4 \times 5 + 6$	$= 78/\sqrt{9}.$	$519 := 1 + 2^{3 \times \sqrt{4+5}} + 6$	$= 7 + 8^{\sqrt{9}}.$
$35 := 1^2 + 34$	$= 5 + 6 + 7 + 8 + 9.$	$529 := 1 \times 23^{\sqrt{4}}$	$= 5 \times (6 + 7) \times 8 + 9.$
$36 := 12 \times 3$	$= 4 + 5 + 6 + 7 + 8 + (\sqrt{9})!.$	$530 := 1 + 23^{\sqrt{4}}$	$= 5 + 6 + 7 + 8^{\sqrt{9}}.$
$37 := 1 + 2 + 34$	$= 5 + 6 + 78/\sqrt{9}.$	$545 := (1 + 2) \times 3!!/4 + 5$	$= 67 \times 8 + 9.$
$52 := 1 + 2 \times 3 + 45$	$= 6 \times 78/9.$	$558 := 1 + 23 \times 4! + 5$	$= (6 + 7 \times 8) \times 9.$
$70 := 1 \times 2 + 3 \times 4 + 56$	$= 7!/(8 \times 9).$	$576 := 12 \times (3 + 45)$	$= 6 \times (7 + 89).$
$73 := 1^2 + 3 \times 4!$	$= 56/7 \times 8 + 9.$	$625 := 1 \times (2 + 3)^4$	$= 5 \times (6 + 7 \times (8 + 9)).$
$80 := 12/3 \times 4 \times 5$	$= (6! + 7!)/(8 \times 9).$	$645 := (1 + 2^{3+4}) \times 5$	$= 6 + 7!/8 + 9.$
$82 := 1^2 + 3^4$	$= 56 + 78/\sqrt{9}.$	$675 := (12 + 3) \times 45$	$= (67 + 8) \times 9.$
$89 := 12 + 3 \times 4 + 5 \times (6 + 7) = 89.$		$702 := 1 \times 2 \times (345 + 6)$	$= 78 \times 9.$
$89 := 12 + 3 + \sqrt{4} + 5 + 67 = 89.$		$725 := ((1 + 23)/4)! + 5$	$= 6! + (7 + 8)/\sqrt{9}.$
$92 := 1 \times 23 \times 4$	$= 5 + 6 + 78 + \sqrt{9}.$	$729 := (1 + 2)^{3!}$	$= 4! + 5 \times (6 + (7 + 8) \times 9).$
$107 := (1 + 2) \times 34 + 5$	$= (6 + 7) \times 8 + \sqrt{9}.$	$732 := 12 + 3!!$	$= 45 + 678 + 9.$
$121 := 1 + (2 + 3)!$	$= 4 + 5 \times 6 + 78 + 9.$	$737 := 1 + 23 \times (\sqrt{4})^5$	$= 67 \times (8 + \sqrt{9}).$
$123 := 123$	$= 4 + 5 + 6 \times 7 + 8 \times 9.$	$738 := 123 \times (\sqrt{4 + 5})!$	$= 6! + 7 + 8 + \sqrt{9}.$
$146 := 1 \times 2 + 3! \times 4!$	$= 5 + 6 + (7 + 8) \times 9.$	$756 := 12 + 3! \times (4 + 5!)$	$= (6 + 78) \times 9.$
$147 := 123 + 4!$	$= 56 \times 7/8 \times \sqrt{9}.$	$768 := (1 + 2)!! + 3 + 45$	$= 6!/(7 + 8) + (\sqrt{9})!!.$
$192 := 1 \times 2^3 \times 4!$	$= \sqrt{(5 + 67) \times 8^{\sqrt{9}}}.$	$792 := (1 + 2)!! + 3 \times 4!$	$= (5 + 67) \times (8 + \sqrt{9}).$
$204 := (1 + 2)! \times 34$	$= 5! + 67 + 8 + 9.$	$797 := (1 + 2)!! + 3 \times 4! + 5$	$= 6! + 7 \times (8 + \sqrt{9}).$
$212 := 1 \times 23 \times 4 + 5!$	$= (6 + 7!/8)/\sqrt{9}.$	$801 := (1 + 2)!! + 3^4$	$= (5 + 6 + 78) \times 9.$
$218 := (1 + 2)!^3 + \sqrt{4}$	$= 5! + 6 \times 7 + 8!/(8^{\sqrt{9}})!!.$	$936 := (1 + 2)!^3 + (\sqrt{4 + 5})!!$	$= (6 + 7) \times 8 \times 9.$
$225 := 1 \times (2 + 3) \times 45$	$= (67 + 8) \times \sqrt{9}.$	$972 := 12 \times 3^4$	$= (5 \times 6 + 78) \times 9.$
$226 := 1 + (2 + 3) \times 45$	$= 678/\sqrt{9}.$	$1239 := 1234 + 5$	$= 6! + 7 + 8^{\sqrt{9}}.$
$234 := 1 \times 234$	$= (5 + 6 + 7 + 8) \times 9.$	$1299 := 1 + 2 + 3!^4$	$= (5! + 6 \times 7) \times 8 + \sqrt{9}.$
$243 := (1 + 2) \times 3^4$	$= 5 \times 6!/(7 + 8) + \sqrt{9}.$	$1308 := 12 + 3!^4$	$= 5! + 6! + 78 \times (\sqrt{9})!.$
$264 := \sqrt{1 + (2 + 3)!} \times 4!$	$= (5 + 6) \times (7 + 8 + 9).$	$1422 := (1 + 2)! + 3!^4 + 5!$	$= 6! + 78 \times 9.$
$266 := 1 \times 2 + 3! \times 4! + 5!$	$= (6! + 78)/\sqrt{9}.$	$1560 := (1 + 2^{3!}) \times 4!$	$= 5 \times (6 + 7) \times 8 \times \sqrt{9}.$
$354 := 1 \times 234 + 5!$	$= 6 \times (7 \times 8 + \sqrt{9}).$	$1728 := 12^3$	$= \sqrt{4 + 5} \times 6 \times (7 + 89).$
$360 := (12 + 3) \times 4!$	$= 5! + 6 + 78 \times \sqrt{9}.$	$1890 := 1 \times 234 \times 5 + 6!$	$= 7!/8 \times \sqrt{9}.$
$366 := (1 + 2)! + 3 \times 4! \times 5$	$= 6 + 7!/(8 + (\sqrt{9})!).$	$2070 := (1 + 2)! \times 345$	$= 6! + 7!/8 + (\sqrt{9})!!.$
$392 := 1 + (2 + 3!)/\sqrt{4} + 5 \times 6 = 7 \times 8!/(8^{\sqrt{9}})!!.$		$2096 := (1 + 2)!! + 3!^4$	$= 5! + 6 + 7!/8 \times \sqrt{9}.$
$420 := 12 \times (3 + 4) \times 5$	$= 6 \times 7!/(8 \times 9).$	$2205 := (1 + 2)!! \times 3 + 45$	$= (6! + 7 + 8) \times \sqrt{9}.$
$450 := (1 + 2) \times (3! + 4!) \times 5$	$= (6 \times 7 + 8) \times 9.$	$2928 := (12 + 3!!) \times 4$	$= 5! + 6 \times 78 \times (\sqrt{9})!.$
$480 := 1 \times (2 + 3)! \times 4$	$= 5!/6 \times (7 + 8 + 9).$	$3375 := 12 + 3 + 4 \times (5! + 6!)$	$= (7 + 8)^{\sqrt{9}}.$
$481 := 1 + (2 + 3)! \times 4$	$= 56 \times 7 + 89.$	$3600 := (1 + 2)!! \times (3 + \sqrt{4})$	$= (56 \times 7 + 8) \times 9.$
$486 := 1 \times 2 \times 3 + 4 \times 5!$	$= 6 \times (78 + \sqrt{9}).$	$3888 := (1 + 2) \times 3!^4$	$= (5! + 6 \times 7) \times 8 \times \sqrt{9}.$
$492 := 123 \times 4$	$= \sqrt{5 \times 6!} \times 7 + 8 \times 9.$	$4096 := 1 \times 2^{3 \times 4}$	$= 56/7 \times 8^{\sqrt{9}}.$

$$\begin{aligned}
4332 &:= (1+2)! \times (3!! + \sqrt{4}) &= 5! + 6 \times 78 \times 9. \\
4500 &:= ((1+2)!! + 3!!/4) \times 5 &= 6 \times 7!/8 + (\sqrt{9})!. \\
5063 &:= 1 \times 23 + (\sqrt{4} + 5)! &= 6 + 7! + 8 + 9. \\
7776 &:= (1+2)! \times 3!^4 &= (5! + 6 \times 7) \times 8 \times (\sqrt{9})!. \\
5064 &:= (1+2) \times 3! + (\sqrt{4} + 5)! + 6 &= 7! + 8 \times \sqrt{9}. \\
5088 &:= ((1+2)!! + 3!) \times (\sqrt{4} + 5) + 6 &= 7! + 8 \times (\sqrt{9})!. \\
17568 &:= (12 + 3!!) \times 4! &= 5! + (6! + 7) \times 8 \times \sqrt{9}. \\
18720 &:= (1+2)!! \times (3! + 4 \times 5) &= 6! \times 78/\sqrt{9}. \\
19683 &:= (1+2)^{3^{\sqrt{4}}} &= (\sqrt{(5+67)/8})^9. \\
20737 &:= 1 + (2 \times 3!)^4 &= 5^6 + 7! + 8 \times 9. \\
40320 &:= 1 \times (2^3)! &= 4 \times 5! \times (67 + 8 + 9). \\
40321 &:= 1 + (2^3)! + 4 + 5 + 6 &= 7 + 8! + 9. \\
40344 &:= 1 \times (2^3)! + 4! &= 5 + 6 + 7 + 8! + (\sqrt{9})!. \\
40365 &:= 1 \times (2^3)! + 45 &= 6 \times 7 + 8! + \sqrt{9}. \\
41760 &:= 1 \times 2 \times 3!! \times (4! + 5) &= 6! + 7! \times 8 + (\sqrt{9})!. \\
47040 &:= ((1+2)!! + (3 + \sqrt{4})!) \times 56 &= 7 \times 8!/(\sqrt{9})!. \\
58320 &:= (1+2)! \times 3^4 \times 5! &= 6! \times (78 + \sqrt{9}). \\
62640 &:= (1+2) \times 3!! \times (4! + 5) &= 6! \times (78 + 9). \\
70560 &:= (1+2+3^4) \times (5! + 6!) &= 7! \times (8 + (\sqrt{9})!). \\
87360 &:= (1+2)!! + (3!! + \sqrt{4}) \times 5! &= (6+7) \times 8!/(\sqrt{9})!. \\
94080 &:= 1 \times (2^3)!/4! \times 56 &= 7 \times 8!/\sqrt{9}. \\
241920 &:= (12 \times (3+4!) + 5) \times 6! + 7! &= 8! \times (\sqrt{9})!. \\
241962 &:= 1 \times (2 + (3! + \sqrt{4})! + 5) \times 6 &= (7+8!) \times (\sqrt{9})!. \\
282240 &:= 1 \times (2^3)! \times (\sqrt{4} + 5) &= 6 \times 7 \times 8!/(\sqrt{9})!. \\
282243 &:= 1 + 2 + (3+4)! \times 56 &= 7 \times 8! + \sqrt{9}. \\
362883 &:= 1 + 2 + (3^{\sqrt{4}})! &= \sqrt{(5+67)/8} + 9!. \\
362958 &:= 12 \times 3! + (4+5)! + 6 &= 78 + 9!. \\
933120 &:= (1+2)!! \times 3!^4 &= 5! \times 6! + 7 \times 8! \times \sqrt{9}. \\
967680 &:= 1 \times (2^3)! \times 4! &= (56/7!) \times 8 \times \sqrt{9}.
\end{aligned}$$

#### 4.2. Decreasing Order without zero.

$$\begin{aligned}
7 &:= (98+7)/(6+5+4) = 3 \times 2 + 1. \\
18 &:= \sqrt{9} + 8 + 7 = 6 + 54/3! + 2 + 1. \\
20 &:= 98/7 + 6 = 54/3 + 2 \times 1. \\
28 &:= (98 + 7 \times 6)/5 = 4 + 3 + 21. \\
29 &:= \sqrt{(9+87) \times 6} + 5 = \sqrt{4^3} + 21. \\
45 &:= \sqrt{9} \times (8+7) = 6 + 54/3 + 21. \\
59 &:= 9 + 8 + 7 \times 6 = 54 + 3 + 2 \times 1. \\
64 &:= 9 + 8 + 7 \times 6 + 5 = 43 + 21. \\
69 &:= \sqrt{\sqrt{\sqrt{9^8}} \times 7} + 6 = 5 + 43 + 21. \\
78 &:= (9 + 8 \times 7) \times 6/5 = 4! \times 3 + (2+1)!. \\
84 &:= \sqrt{98 \times (7+65)} = 4!/3! \times 21. \\
88 &:= \sqrt{\sqrt{9^8}} + 7 = 6 + 54 \times 3/2 + 1. \\
91 &:= 98 = 7!/6! + 5 + 43 \times 2 \times 1. \\
93 &:= (\sqrt{9})! + 87 = 6 + 54 + 32 + 1. \\
98 &:= 98 = (7+6) \times 5 + 4 \times 3 + 21. \\
100 &:= (98/7 + 6) \times 5 = (4+3!)^2 \times 1. \\
101 &:= \sqrt{9} + 87 + 6 + 5 = (4+3!)^2 + 1. \\
108 &:= (\sqrt{9} + 87) \times 6/5 = 4 \times (3! + 21). \\
114 &:= 9 \times 8 + 7 \times 6 = (54+3) \times 2 \times 1. \\
117 &:= \sqrt{\sqrt{\sqrt{9^8}} \times (7+6)} = 54 + 3 \times 21. \\
126 &:= 9 + 87 + 6 \times 5 = \sqrt{4} \times 3 \times 21. \\
128 &:= \sqrt{\sqrt{9^8}} + 7 \times 6 + 5 = 4 \times 32 \times 1. \\
129 &:= (\sqrt{9})! \times 8 + 76 + 5 = 43 \times (2+1). \\
140 &:= 98 + 7 \times 6 = 5 \times (4+3+21). \\
145 &:= 98 + 7 \times 6 + 5 = (4 \times 3)^2 + 1. \\
148 &:= 9 \times 8 + 76 = 5! + 4 + 3 + 21. \\
157 &:= \sqrt{\sqrt{9^8}} + 76 = 5! + 4 + 32 + 1. \\
165 &:= \sqrt{9} \times (8+7 \times 6+5) = 4! \times 3! + 21. \\
166 &:= (\sqrt{9})!!/8 + 76 = 5! + 43 + 2 + 1. \\
174 &:= 98 + 76 = 54 + (3+2)! \times 1. \\
180 &:= \sqrt{\sqrt{9} \times (8+7) \times 6!} = 54 + 3! \times 21. \\
213 &:= \sqrt{9+8!+7!} = 6 + 5! + 43 \times 2 + 1. \\
219 &:= \sqrt{9+8!+7!} + 6 = \sqrt{5+4} + 3!^{2+1}. \\
220 &:= \sqrt{9} \times 8 + 76 + 5! = 4 + 3!^{2+1}. \\
221 &:= (9+8) \times (7+6) = 5 \times 43 + (2+1)!. \\
252 &:= \sqrt{9} \times (8+76) = (5+4+3) \times 21. \\
258 &:= (\sqrt{9})! \times 8 + 7 \times 6 \times 5 = 43 \times (2+1)!. \\
288 &:= (\sqrt{9})!!/(8+7) \times 6 = (5+4) \times 32 \times 1. \\
289 &:= 9 + 8 \times 7!/(6!/5) = 4! \times 3! \times 2 + 1. \\
300 &:= (\sqrt{9})! \times (8+7 \times 6) = 5 \times (4+3!) \times (2+1)!. \\
321 &:= 9 + (8 \times 7 + 6) \times 5 + \sqrt{4} = 321. \\
321 &:= \sqrt{9} \times 87 + 6 + 54 = 321. \\
323 &:= (9+8) \times (7 + \sqrt{6!/5}) = \sqrt{4} + 321. \\
342 &:= (\sqrt{9})! + 8 \times 7 \times 6 = (54+3) \times (2+1)!. \\
372 &:= \sqrt{9} \times (8+76) + 5! = (4! + 3!)/2 \times 1. \\
378 &:= (\sqrt{9})! \times (8! + 7!)/6! = 54/3 \times 21. \\
390 &:= (9+8 \times 7) \times 6 = (5! + 4 + 3!) \times (2+1). \\
432 &:= (\sqrt{9})! \times 8 \times \sqrt{76+5} = 432 \times 1. \\
450 &:= 9 \times (8+7 \times 6) = 5^{\sqrt{4}} \times 3! \times (2+1). \\
456 &:= \sqrt{9} \times (87+65) = 4! \times \sqrt{3!/2+1}. \\
525 &:= \sqrt{9} + 87 \times 6 = 5 \times (\sqrt{4} + 3) \times 21. \\
567 &:= 9 \times (8! + 7!)/6! = (5+4) \times 3 \times 21. \\
567 &:= \sqrt{\sqrt{9^8}} \times 7 = 6 + 5! \times \sqrt{4} + 321.
\end{aligned}$$

$$\begin{aligned}
 582 &:= ((\sqrt{9})!!/8 + 7) \times 6 &= 5 + (4 \times 3!)^2 + 1. \\
 588 &:= ((\sqrt{9})! + 8) \times 7 \times 6 &= (\sqrt{5^4} + 3) \times 21. \\
 611 &:= \sqrt{9} + 8 \times 76 &= 5 \times ((\sqrt{4} + 3)! + 2) + 1. \\
 630 &:= (98 + 7) \times 6 &= 5 \times \sqrt{4} \times 3 \times 21. \\
 649 &:= (\sqrt{9} + 8 \times 7) \times (6 + 5) &= 5^4 + 3 + 21. \\
 686 &:= 98 \times 7 &= 654 + 32 \times 1. \\
 721 &:= 98 \times 7 + 6 + 5 + 4! &= (3 \times 2)! + 1. \\
 726 &:= (\sqrt{9})! \times (87 + 6 \times 5) + 4! &= 3! + (2 + 1)!. \\
 731 &:= \sqrt{9} + 8!/7! + 6! &= 5 + 4 + 3!! + 2 \times 1. \\
 733 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 + 6 &= (5! + \sqrt{4}) \times 3 \times 2 + 1. \\
 734 &:= 98/7 + 6! &= (5! + \sqrt{4}) \times 3! + 2 \times 1. \\
 735 &:= (\sqrt{9})!! + 8 + 7 &= 6! + 5 + 4 + 3 \times 2 \times 1. \\
 762 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! \times 7 + 6! &= (5 + \sqrt{4}) \times 3! + (2 + 1)!. \\
 765 &:= \sqrt{9} \times (8 + 7) + 6! &= (5! + 4) \times 3! + 21. \\
 770 &:= (\sqrt{9})!! + 8 + 7 \times 6 &= 5 + 4! + 3!! + 21. \\
 782 &:= (\sqrt{9})! + 8 \times 7 + 6! &= 5!/\sqrt{4} + 3!! + 2 \times 1. \\
 783 &:= 9 \times 87 &= 6 + 54 + 3!! + 2 + 1. \\
 783 &:= \sqrt{\sqrt{\sqrt{9^8}}} \times 7 + 6! &= 54 + 3^{(2+1)!}. \\
 784 &:= \sqrt{9} + 8 \times 7 + 6! + 5 &= 4^3 + (2 + 1)!. \\
 825 &:= 98 + 7 + 6! &= 5 \times (4! \times 3! + 21). \\
 844 &:= (\sqrt{9} \times 8 + 7!)/6 &= 5! + 4 + (3 \times 2)! \times 1. \\
 849 &:= \sqrt{\sqrt{\sqrt{9^8}}} + 7!/6 &= 5 \times 4! + 3^{(2+1)!}. \\
 851 &:= \sqrt{9} + 8 + 7!/6 &= 5! + \sqrt{4} + 3^{(2+1)!}. \\
 852 &:= (9 \times 8 + 7!)/6 &= 5! + \sqrt{4} \times 3! + (2 + 1)!. \\
 854 &:= (\sqrt{9})! + 8 + 7!/6 &= (5! + \sqrt{4}) \times (3 \times 2 + 1). \\
 882 &:= (\sqrt{9})! + 876 &= 54 \times 3 + (2 + 1)!. \\
 885 &:= 9 + 876 &= 5! + 4! + 3!! + 21. \\
 888 &:= \sqrt{9} \times 8 \times 7 + 6! &= 5! + 4! \times 32 \times 1. \\
 903 &:= (\sqrt{9})!! + (8! + 7!)/6! + 5! &= 43 \times 21. \\
 912 &:= 9 \times 8 + 7!/6 &= 5! + 4! \times (32 + 1). \\
 960 &:= (\sqrt{9})!! \times 8!/(7! \times 6) &= 5!/4 \times 32 \times 1. \\
 961 &:= ((\sqrt{9})! + 8!)/7/6 &= 5!/4 \times 32 + 1. \\
 963 &:= \sqrt{9} + 8!/7/6 &= \sqrt{5+4} \times 321. \\
 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)!}. \\
 987 &:= 987 &= 6! + 5! + (4 + 3) \times 21. \\
 993 &:= 987 + 6 &= (5! + 4) \times (3! + 2) + 1. \\
 1000 &:= (\sqrt{9})!! + 8 \times 7!/6! \times 5 &= (4 + 3!)^{2+1}. \\
 1008 &:= \sqrt{9} \times 8 \times 7 \times 6 &= (5 + 43) \times 21. \\
 1025 &:= 9 + 8 + 7 \times 6!/5 &= 4^{3+2} + 1.
 \end{aligned}$$

$$\begin{aligned}
 1284 &:= \sqrt{9} \times (8 + 7 \times \sqrt{6! \times 5}) &= 4 \times 321. \\
 1344 &:= 9 \times 8 \times 7 + 6! + 5! &= 4^3 \times 21. \\
 1447 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 + 6! &= 5 + \sqrt{4} \times 3!! + 2 \times 1. \\
 1448 &:= (\sqrt{9})!! + 8 \times 76 + 5! &= (4 + 3!!) \times 2 \times 1. \\
 1458 &:= \sqrt{\sqrt{9^8}} \times (7 + 6 + 5) &= \sqrt{4} \times 3^{(2+1)!}. \\
 1566 &:= \sqrt{9} \times 87 \times 6 &= 5! + \sqrt{4} \times 3!! + (2 + 1)!. \\
 1568 &:= (\sqrt{9})!! + (8 + 7!/6) &= 5! + (4 + 3!!) \times 2 \times 1. \\
 2160 &:= (\sqrt{9})! \times 8 \times 7 \times 6 + 5! + 4! &= 3!! \times (2 + 1). \\
 2184 &:= \sqrt{9} \times (8 \times 76 + 5!) &= 4! + 3!! \times (2 + 1). \\
 2187 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)^7 &= 6 + \sqrt{5+4} \times 3!! + 21. \\
 2304 &:= \sqrt{9} \times (8!/7! + 6!) + 5! &= 4!^3/(2 + 1)!. \\
 2421 &:= \sqrt{9} \times (87 + 6!) &= 5!^{\sqrt{4}}/3! + 21. \\
 2883 &:= \sqrt{9} + 8!/\sqrt{76 + 5!} &= 4 \times 3!! + 2 + 1. \\
 2886 &:= (\sqrt{9})! + 8!/\sqrt{76 + 5!} &= 4 \times 3!! + (2 + 1)!. \\
 2889 &:= 9 + 8!/\sqrt{76 + 5!} &= 4 \times (3!! + 2) + 1. \\
 2907 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)^7 + 6! &= 5! \times 4! + 3! + 21. \\
 3024 &:= (9 + 8 + 7) \times (6 + 5!) &= 4! \times 3! \times 21. \\
 3402 &:= \sqrt{\sqrt{9^8}} \times 7 \times 6 &= 54 \times 3 \times 21. \\
 4362 &:= \left( \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 \right) \times 6 &= (5 + \sqrt{4} + 3!!) \times (2 + 1)!. \\
 5046 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + 7! &= 6! + 5 + 4321. \\
 5048 &:= (\sqrt{9})! \times (8 + 7!)/6 &= 5 + (4 + 3)! + 2 + 1. \\
 5049 &:= \sqrt{\sqrt{\sqrt{9^8}}} + 7! &= (6 + 5^4) \times (3! + 2) + 1. \\
 5052 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + 7! + 6 &= (5 + \sqrt{4})! + 3! \times 2 \times 1. \\
 5061 &:= \sqrt{\sqrt{\sqrt{9^8}}} + 7! + \sqrt{6!/5} &= (4 + 3)! + 21. \\
 5068 &:= \sqrt{9} \times 8 + 7! &= 6 + (5 + \sqrt{4})! + 3! \times (2 + 1). \\
 5070 &:= \sqrt{9} \times 8 + 7! + 6 &= 5!/4 + (3 \times 2 + 1)!. \\
 5088 &:= (\sqrt{9})! \times 8 + 7! &= 6! \times 5 + (4! + 3!!) \times 2 \times 1. \\
 5094 &:= (\sqrt{9})! \times 8 + 7! + 6 &= 54 + (3 \times 2 + 1)!. \\
 5096 &:= ((\sqrt{9})!! + 8) \times 7 &= (6! + 5) \times (4 + 3) + 21. \\
 5121 &:= \sqrt{\sqrt{9^8}} + 7 \times 6! &= 5 \times 4^{3+2} + 1. \\
 5256 &:= (\sqrt{9})! \times 876 &= (5 + \sqrt{4})! + 3!^{2+1}. \\
 5760 &:= (\sqrt{9})!! \times 8!/7! &= 6 \times 5!/4 \times 32 \times 1.
 \end{aligned}$$

$$\begin{aligned}
5766 &:= (\sqrt{9})!! \times 8!/7! + 6 &= 5 + 4 \times 3!! \times 2 + 1. & 35280 &:= (\sqrt{9})! \times 8!/7 + 6! &= (5 + \sqrt{4}) \times (3 \times 2 + 1)!. \\
5767 &:= (\sqrt{9})!! \times 8 + 7!/6! &= (5! \times 4! + 3) \times 2 + 1. & 36000 &:= (\sqrt{9})!! \times (8 + 7 \times 6) &= 5(\sqrt{4}) \times 3!! \times 2 \times 1. \\
5768 &:= (\sqrt{9})!! + 8 + 7! &= 6! + 5 + (4 + 3)! + 2 + 1. & 39366 &:= (\sqrt{9})^{8!/7!} \times 6 &= 54 \times 3^{2+1}!. \\
5769 &:= 9 + 8!/7 &= 6! + (5 + \sqrt{4})! + 3 \times (2 + 1). & 40329 &:= 9 + 8 \times 7! &= (6!/5! + \sqrt{4})! + 3 \times (2 + 1)!. \\
5772 &:= (\sqrt{9})! + 8!/7 + 6 &= (5! \times 4! + 3!) \times 2 \times 1. & 40333 &:= (\sqrt{9})! + 8! + 7 &= 6 + 5 + (4!/3)! + 2 \times 1. \\
5832 &:= 9 \times 8 + 7! + 6! &= (54/3)^{2+1}. & 40341 &:= \sqrt{9} + 8! + 7 + 6 + 5 &= (4!/3)! + 21. \\
6483 &:= \sqrt{9} + 8!/7 + 6! &= (5 + 4) \times 3!! + 2 + 1. & 40341 &:= \sqrt{9} + 8! + 7 + 6 + 5 &= (\sqrt{4} + 3!)! + 21. \\
6486 &:= (\sqrt{9})! + 8!/7 + 6! &= (5 + 4) \times 3!! + (2 + 1)!. & 40345 &:= (\sqrt{9})! + 8! + 7 + \sqrt{6!/5} &= 4! + (3! + 2)! + 1. \\
6561 &:= \sqrt{(9^8)} &= 7! + 6! + 5! \times 4 + 321. & 40374 &:= (\sqrt{9})! + 8 \times (7! + 6) &= 54 + (3! + 2)! \times 1. \\
6721 &:= ((\sqrt{9})! + 8 \times 7!)/6 &= 5! \times (4! + 32) + 1. & 45360 &:= \sqrt{\sqrt{\sqrt{9^8}}} \times 7! &= (6 + 54 + 3) \times (2 + 1)!. \\
6840 &:= (\sqrt{9})!!/8 \times 76 &= 5! \times (4! + 32 + 1). & 45369 &:= 9 + 8! + 7! &= ((6! + 5!)/4 + 3)^2 \times 1. \\
6912 &:= (\sqrt{9})! \times 8!/7! \times 6!/5 &= 4!^3/2 \times 1. & 45927 &:= \sqrt{9^8} \times 7 &= (6! + 5 + 4) \times 3 \times 21. \\
7560 &:= \sqrt{\sqrt{\sqrt{9^8}}} \times 7!/6 &= 5 \times 4! \times 3 \times 21. & 51840 &:= 9 \times 8!/7! \times 6! &= 5! \times 432 \times 1. \\
7561 &:= ((\sqrt{9})! + 8! + 7!)/6 &= (5!^{\sqrt{4}} + 3!!)/2 + 1. & 55440 &:= (\sqrt{9} + 8) \times 7! &= (6! + (5!/4)^3) \times 2 \times 1. \\
7569 &:= 9 + (8! + 7!)/6 &= ((5 + 4!) \times 3)^2 \times 1. & 64800 &:= (\sqrt{9} + 87) \times 6! &= 5!/4 \times 3!! \times (2 + 1). \\
7680 &:= ((\sqrt{9})!! + 8! + 7!)/6 &= 5! \times (43 + 21). & 68040 &:= \sqrt{\sqrt{9^8}} \times 7!/6 &= 5! \times (4! + 3) \times 21. \\
10080 &:= 98/7 \times 6! &= (5 + \sqrt{4})! \times 3!/(2 + 1). & 69120 &:= (9 + 87) \times 6! &= 5! \times 4! \times (3 + 21). \\
10440 &:= (\sqrt{9})!! \times 87/6 &= 5! \times (43 \times 2 + 1). & 69840 &:= ((\sqrt{9})!!/8 + 7) \times 6! &= 5 \times 4!^3 + (2 + 1)!. \\
11520 &:= (\sqrt{9})!! + (8 + 7) \times 6! &= 5! \times 4 \times (3 + 21). & 82944 &:= 9 \times 8 \times (7! + 6!)/5 &= 4!^3 \times (2 + 1)!. \\
11601 &:= \sqrt{9^8} + 7! &= (6! + 5) \times (4 + 3! \times 2) + 1. & 103680 &:= \sqrt{9} \times 8!/7 \times 6 &= 5! \times 4 \times 3!^{2+1}. \\
13440 &:= ((\sqrt{9})! + 8) \times (7!/6 + 5!) &= (\sqrt{4^3})!/(2 + 1). & 105840 &:= ((\sqrt{9})!! + 8 + 7) \times 6!/5 &= (4 + 3)! \times 21. \\
13845 &:= \sqrt{9 + 8! + 7!} \times 65 &= 4!^3 + 21. & 117652 &:= \sqrt{9!/8!} + 7^6 &= (5 + \sqrt{4})^3! + 2 + 1. \\
15150 &:= \sqrt{9} \times (8 + 7!) + 6 &= 5!/4 + 3!! \times 21. & 117655 &:= \sqrt{9!/8!!} + 7^6 &= (5 + \sqrt{4})^3! + (2 + 1)!. \\
15162 &:= \sqrt{9} \times (8 + 7! + 6!/5!) &= (\sqrt{4} + 3!!) \times 21. & 118369 &:= (\sqrt{9!/8!})!! + 7^6 &= (5 + \sqrt{4})^3! + (2 + 1)!. \\
15204 &:= \sqrt{9} \times (8 + 7!) + \sqrt{6! \times 5} &= (4 + 3!!) \times 21. & 120966 &:= \sqrt{9} \times 8 \times 7! + 6 &= (5 + 4)!/3 + (2 + 1)!. \\
15840 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times 7! + 6! &= 5!^{\sqrt{4}} + 3!! \times 2 \times 1. & 120981 &:= \sqrt{9} \times (8! + 7) &= 6 + (5 + (4!/3!)) \times (2 + 1). \\
17286 &:= \sqrt{9} \times 8!/7 + 6 &= 5 + 4! \times (3 \times 2)! + 1. & 121680 &:= \sqrt{9} \times 8 \times 7! + 6! &= (5 + 4)!/3 + (2 + 1)!. \\
17298 &:= \sqrt{9} \times (8!/7 + 6) &= (5! \times 4! + 3) \times (2 + 1)!. & 125280 &:= \sqrt{9} \times (8! + 7!/6) &= (5 + 4!) \times 3!! \times (2 + 1)!. \\
19440 &:= 9 \times (8 + 7) \times 6!/5 &= (4! + 3) \times (2 + 1)!. & 126000 &:= \sqrt{9} \times 8! + 7! &= 6! + (5 + 4!) \times 3!! \times (2 + 1)!. \\
20160 &:= \sqrt{9} \times 8 \times 7!/6 &= 5! \times 4!/3 \times 21. & 172800 &:= \sqrt{(9! + 8!)/7} \times 6! &= 5! \times \sqrt{4} \times (3 \times 2)! \times 1. \\
20736 &:= \sqrt{9} \times (8!/7) \times 6/5 &= (4! \times 3!)^2 \times 1. & 186624 &:= (9 + 8 + 7) \times 6^5 &= 4 \times 3!^{(2+1)!}. \\
27648 &:= \sqrt{9} \times 8 \times (7! + 6!)/5 &= 4!^3 \times 2 \times 1. & 207360 &:= (\sqrt{9})! \times 8!/7 \times 6 &= 5 \times 4!^3 \times (2 + 1). \\
30240 &:= 9 \times 8 \times 7 \times \sqrt{(6! \times 5)} &= \sqrt{4} \times 3!! \times 21. & 246960 &:= (\sqrt{9})! \times 8! + 7 \times 6! &= (5 + \sqrt{4})^3 \times (2 + 1)!. \\
30243 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times 7! \times 6 &= (5 + \sqrt{4})! \times 3! + 2 + 1. & 262150 &:= (\sqrt{9})! + (8!/7!)^6 &= 5 + 4^{(3^2)} + 1. \\
30258 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times 7! \right) \times 6 &= ((5 + \sqrt{4})! + 3) \times (2 + 1)!. & 279936 &:= (\sqrt{9})! \times (8! + 7!) + 6^5 &= (\sqrt{4} \times 3)^{(2+1)!+0!}. \\
30276 &:= \left( \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + 7! \right) \times 6 &= ((5 + 4!) \times 3!)^2 \times 1. & 282246 &:= (\sqrt{9})! + 8! \times 7 &= 6 + (5 + \sqrt{4}) \times (3! + 2)! \times 1. \\
30960 &:= (\sqrt{9})!! \times 8 + 7 \times 6! \times 5 &= 43 \times (2 + 1)!. & 290304 &:= (\sqrt{9})! \times 8 \times 7! \times 6/5 &= 4!^3 \times 21. \\
34566 &:= (\sqrt{9})! \times 8!/7 + 6 &= 5 + 4! \times 3!! \times 2 + 1. & 311040 &:= 9 \times 8!/7 \times 6 &= (5! + 4!) \times 3!! \times (2 + 1). \\
& & & 317520 &:= 9!/8 \times 7!/6! &= (5 + \sqrt{4})! \times 3 \times 21. \\
& & & 345600 &:= (9! + 8!)/7 \times 6 &= 5! \times 4 \times (3 \times 2)! \times 1. \\
& & & 352947 &:= \sqrt{9!/8!} \times 7^6 &= (5 + \sqrt{4})^3! \times (2 + 1). \\
& & & 362885 &:= 9! + 8 + 7 &= 6 + 5 + 4 + (3^2)! \times 1. \\
& & & 362886 &:= 9 \times 8 \times 7! + 6 &= (5 + 4)! + 3 \times 2 \times 1.
\end{aligned}$$

$362887 := 9 \times 8! + 7$	$= 6 + (54/(3 \times 2))! + 1.$	$408240 := 9 \times (8! + 7!)$	$= (6! + 5!^{\sqrt{4}}) \times 3^{2+1}.$
$362888 := 9! + 8$	$= \sqrt{\sqrt{76+5}} + 4 + (3^2)! + 1.$	$454320 := (\sqrt{9})!/8 \times 7! + 6!$	$= (5^4 + 3!) \times (2 + 1)!!.$
$362895 := 9! + 8 + 7$	$= 6 + 5 + 4 + (3^2)! \times 1.$	$466560 := \sqrt{\sqrt{9^8}} \times (7! + 6!)$	$= 5 \times \sqrt{4} \times 3!^{(2+1)!}.$
$362901 := 9! + 8 + 7 + 6$	$= 5 \times 4 + (3^2)! + 1.$	$529200 := ((\sqrt{9})!! + 8 + 7) \times 6!$	$= 5 \times (4 + 3)! \times 21.$
$362904 := \sqrt{9} \times 8 + (\sqrt{76+5})!$	$= 4! + (3^2)! \times 1.$	$535680 := 9! + 8!/7 \times 6 \times 5$	$= (4! + 3!!) \times (2 + 1)!!.$
$362934 := 9 \times (8 \times 7! + 6)$	$= 54 + (3^2)! \times 1.$	$604800 := 9! + 8 \times 7! \times 6$	$= 5 \times 4! \times (3 \times 2 + 1)!!.$
$367920 := 9 \times 8! + 7!$	$= 6! + (5 + 4)! + 3! \times (2 + 1)!!.$	$691200 := (\sqrt{9})!! \times 8!/(7 \times 6)$	$= 5! \times 4 \times 3!! \times 2 \times 1.$
$368640 := 9! + 8!/7$	$= 6! + (5 + \sqrt{4})! + (3! + 2 + 1)!!.$	$705894 := (\sqrt{9!/8!})! \times 7^6$	$= (5 + \sqrt{4})^{3!} \times (2 + 1)!!.$
$373248 := (9 \times 8)^{\sqrt{\sqrt{76+5}}}$	$= (4! \times 3)^{2+1}.$	$725760 := 9! + 8! \times \sqrt{76+5}$	$= \sqrt{4} \times (3^2)! \times 1.$
$403207 := 9! + 8! + 7$	$= 6 + 5 \times (4!/3)! \times 2 + 1.$	$816480 := \sqrt{9} \times (8! + 7!) \times 6$	$= 54 \times 3!! \times 21.$

4.3. Decreasing Order with zero.

$4 := (98/7 + 6)/5$	$= 4 + 321 \times 0.$	$194 := 9 \times (8 + 7 + 6) + 5$	$= 4! \times (3! + 2) + 1 + 0!.$
$19 := \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + 7 + 6$	$= 54/(3 \times 2) + 10.$	$200 := 9 \times (8 + 7) + 65$	$= 4 \times (3 + 2) \times 10.$
$30 := 9 + 8 + 7 + 6$	$= 54/3 + 2 + 10.$	$210 := 9 \times (8 + 7) + 6 + 5 + 4^3$	$= 210.$
$44 := 98/7 + 6 \times 5$	$= 43 + (21 \times 0)!!.$	$213 := 9 + (8 + 7) \times \sqrt{6!/5} + 4!$	$= 3 + 210.$
$64 := 9 + 8 + 7 \times 6 + 5$	$= 43 + 21 + 0.$	$217 := 9 + 8 + 76 + 5! + 4$	$= 3!^{2+1} + 0!.$
$65 := \sqrt{9} + 8 \times 7 + 6$	$= 5 + \sqrt{4 + 32} \times 10.$	$219 := \sqrt{9 + 8! + 7!} + 6$	$= 54/3! + 210.$
$68 := (\sqrt{9})! + 8 \times 7 + 6$	$= 5 + 43 + 2 \times 10.$	$220 := \sqrt{9} \times 8 + 76 + 5!$	$= 4 + 3! + 210.$
$69 := (\sqrt{9})! + (8! + 7!)/6!$	$= 54 + 3 + 2 + 10.$	$221 := (9 + 8) \times (7 + 6)$	$= 5 + \sqrt{4} \times 3 + 210.$
$77 := (\sqrt{9} + 8) \times 7$	$= 6 + 5 + \sqrt{4} + 3 \times 21 + 0!.$	$222 := 9 + 87 + 6 + 5!$	$= 4 \times 3 + 210.$
$78 := (9 + 8 \times 7) \times 6/5$	$= 4! \times 3 + (2 + 1)! \times 0!.$	$224 := \sqrt{9 + 8! + 7!} + 6 + 5$	$= (4 + 3) \times \sqrt{2^{10}}.$
$84 := \sqrt{98 \times (7 + 65)}$	$= \sqrt{4} \times (32 + 10).$	$249 := 98 + 7 + 6!/5$	$= (4! + 3!!)/(2 + 1) + 0!.$
$88 := \sqrt{\sqrt{9^8} + 7!}/6!$	$= 54 + 32 + 1 + 0!.$	$258 := (\sqrt{9})! \times 8 + 7 \times 6 \times 5$	$= 43 \times (2 + 1)! \times 0!.$
$98 := 98$	$= 76 + 5 + \sqrt{4} + 3 + 2 + 10.$	$261 := \sqrt{9} \times 87$	$= 6 + 5 + (\sqrt{4} + 3)^2 \times 10.$
$100 := (98/7 + 6) \times 5$	$= (4 + 3 \times 2) \times 10.$	$261 := \sqrt{9} \times 87$	$= 65 + (4 \times 3 + 2)^{1+0!}.$
$102 := 9 + 87 + 6$	$= 5!/4 \times 3 + 2 + 10.$	$279 := \sqrt{9} \times (87 + 6)$	$= 5 + 4^3 + 210.$
$104 := ((\sqrt{9})! + 8) \times 7 + 6$	$= 54 + (3 + 2) \times 10.$	$313 := \sqrt{9} + (8 \times 7 + 6) \times 5$	$= 4! \times (3! \times 2 + 1) + 0!.$
$111 := 98 + 7 + 6$	$= 5 + (\sqrt{4} + 3) \times 21 + 0!.$	$320 := (9 + 87)/6 \times 5 \times 4$	$= 32 \times 10.$
$114 := 9 \times 8 + 7 \times 6$	$= 54 + 3 \times 2 \times 10.$	$326 := \sqrt{9} \times 87 + 65$	$= 4 + 321 + 0!.$
$124 := (\sqrt{9})! \times 8 + 76$	$= 5! + 4 + 321 \times 0.$	$342 := (\sqrt{9})! + 8 \times 7 \times 6$	$= 5! + 4 \times 3 + 210.$
$126 := (98 + 7) \times 6/5$	$= 4 + (3 + 2)! + 1 + 0!.$	$372 := ((\sqrt{9})! + 8 \times 7) \times 6$	$= 54 \times 3 + 210.$
$132 := (\sqrt{9})!/8 + 7 \times 6$	$= 5! + 4! \times 3!/(2 + 10).$	$386 := \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + 76 \times 5$	$= 4! + 3!!/2 + 1 + 0!.$
$133 := 98 + 7!/6! \times 5$	$= 4 \times (32 + 1) + 0!.$	$394 := (\sqrt{9})! + 8 + 76 \times 5$	$= 4! + 3!!/2 + 10.$
$135 := 9 \times (8 + 7)$	$= 65 + (\sqrt{4} + 3 + 2) \times 10.$	$426 := (\sqrt{9})! + (8 + 76) \times 5$	$= \sqrt{4} \times (3 + 210).$
$138 := 9 \times 8 + (7 + 6) \times 5$	$= 4 \times 32 + 10.$	$432 := 9 \times 8!/7! \times 6$	$= 5! \times (4 + 32)/10.$
$140 := 98 + 7 \times 6$	$= 5! + 4 + 3 \times 2 + 10.$	$434 := (\sqrt{9})! + 8 + 7 \times \sqrt{6! \times 5}$	$= 432 + 1 + 0!.$
$154 := 98/7 \times (6 + 5)$	$= (4 \times 3)^2 + 10.$	$450 := 9 \times (8 + 7 \times 6)$	$= 5! + (4! + 3^2) \times 10.$
$174 := 98 + 76$	$= 54 \times 3 + 2 + 10.$	$456 := \sqrt{9} \times (87 + 65)$	$= 4! \times (3^2 + 10).$
$184 := (9 + 8) \times 7 + 65$	$= 4 \times (3!^2 + 10).$		

$$\begin{aligned}
474 &:= (9 \times 8 + 7) \times 6 &= 5! + 4! \times 3! + 210. \\
552 &:= (\sqrt{9})! \times 87 + 6 \times 5 &= 4! \times (3 + 2 \times 10). \\
573 &:= \sqrt{\sqrt{9^8}} \times 7 + 6 &= 5 + (4! + 3) \times 21 + 0!. \\
582 &:= ((\sqrt{9})!!/8 + 7) \times 6 &= (5! + 4) \times 3 + 210. \\
630 &:= (9 + 87) \times 6 + 54 &= 3 \times 210. \\
654 &:= (\sqrt{9})! \times (8 \times (7 + 6) + 5) &= 4! + 3 \times 210. \\
680 &:= 98 \times 7 &= 6 + 5 \times 4 \times (32 + 1 + 0!). \\
684 &:= \sqrt{\sqrt{\sqrt{9^8}}} \times 76 &= 54 + 3 \times 210. \\
686 &:= 98 \times 7 &= 6 + 5! + (4! + 32) \times 10. \\
721 &:= 9 + 8 \times (76 + 5) + 4^3 &= (2 + 1)!! + 0!. \\
724 &:= 9 \times (8 + 7 + 65) + 4 &= 3!! + 2 + 1 + 0!. \\
730 &:= (\sqrt{9})! \times (8 \times 7 + 65) + 4 &= (3 \times 2)! + 10. \\
731 &:= \sqrt{9} + 8 \times 76 + 5! &= (4! + 3)^2 + 1 + 0!. \\
733 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 + 6 &= (5 + 4)^3 + 2 + 1 + 0!. \\
740 &:= 98 \times 7 + 6 \times (5 + 4) &= 3!! + 2 \times 10. \\
742 &:= \sqrt{9} + 8 + 7 + 6 \times 5! + 4 &= 3!! + 21 + 0!. \\
744 &:= \sqrt{9} + 87 + 654 &= 3!! + (2 + 1 + 0)!. \\
752 &:= ((\sqrt{9})! + 8) \times 7 + 654 &= 3!! + \sqrt{2^{10}}. \\
796 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 76 &= 54 + 3!! + 21 + 0!. \\
843 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7!/6 &= (5 + 4 \times 3!)^2 + 1 + 0!. \\
854 &:= (\sqrt{9})! + 8 + 7!/6 &= 5! + 4 + (3 \times 2)! + 10. \\
857 &:= 9 + 8 + 7!/6 &= 5 + 4 \times (3 + 210). \\
860 &:= 9 \times (8 + 7) + 6! + 5 &= 43 \times 2 \times 10. \\
879 &:= \sqrt{9} + 876 &= 5 + 4! \times 3!^2 + 10. \\
888 &:= \sqrt{9} \times 8 \times 7 + 6! &= 5! + 4^3 \times (2 + 10). \\
910 &:= 98/7 \times 65 &= (4! + 3!)^2 + 10. \\
933 &:= \sqrt{9 + 8! + 7!} + 6! &= \sqrt{5 + 4} + 3!! + 210. \\
960 &:= (\sqrt{9})!! \times 8!/(7! \times 6) &= (5 + 43) \times 2 \times 10. \\
961 &:= ((\sqrt{9})! + 8!/7)/6! \times 5! &= 4 \times 3!!/(2 + 1)! + 0!. \\
964 &:= (\sqrt{9} \times 8 + 7!)/6 + 5! &= 4 \times (3!!/(2 + 1) + 0)!. \\
987 &:= 987 &= 6! + 54 + 3 + 210. \\
1000 &:= (\sqrt{9})!! + 8 \times 7!/6! \times 5 &= (4 + 3!)^2 \times 10. \\
1008 &:= 9 \times 8 \times \sqrt{76 + 5!} &= 4! \times (32 + 10). \\
1024 &:= 987 + 6 \times 5 + 4 + 3 &= 2^{10}. \\
1026 &:= \sqrt{9} \times (8 \times 7! + 6!)/5! &= 4^{3+2} + 1 + 0!. \\
1027 &:= \sqrt{9} \times (8 \times 7 \times 6 + 5) + 4 &= 3 + 2^{10}. \\
1029 &:= \sqrt{9} \times (8! + 7!/6)/5! &= \sqrt{4} + 3 + 2^{10}. \\
1030 &:= (\sqrt{9})!! + (8 \times 7 + 6) \times 5 &= \sqrt{4} \times 3 + 2^{10}. \\
1032 &:= 9 \times 8 + 7!/6 + 5! &= 4!/3 + 2^{10}. \\
1048 &:= \sqrt{\sqrt{9^8}} \times (7 + 6) + 5 &= 4 \times 3! + 2^{10}. \\
1053 &:= \sqrt{\sqrt{9^8}} \times (7 + 6) &= 5 + 4! + 32^{1+0!}. \\
1056 &:= (\sqrt{9})! \times 8 \times 7 + 6! &= 5 + 4! + 3 + 2^{10}. \\
1064 &:= ((\sqrt{9})! + 8) \times 76 &= 5 \times 4!/3 + 2^{10}. \\
1067 &:= ((\sqrt{9})!!/8 + 7) \times (6 + 5) &= 43 + 2^{10}. \\
1089 &:= 9 \times (8 \times 7 + 65) &= (4! + 3^2)^{1+0!}. \\
1096 &:= (\sqrt{9})!! + 8 \times (7 \times 6 + 5) &= 4! \times 3 + 2^{10}. \\
1144 &:= ((\sqrt{9})!! + 8)/7 \times (6 + 5) &= (\sqrt{4} + 3)! + 2^{10}. \\
1200 &:= 98 \times (7!/6! + 5) + 4! &= (3 + 2)! \times 10. \\
1224 &:= (9 + 8) \times (7 + 65) &= 4! + (3 + 2)! \times 10. \\
1240 &:= (\sqrt{9})!! + 8 \times (7 + 6) \times 5 &= (4 + (3 + 2)!) \times 10. \\
1242 &:= (\sqrt{9})!! + 87 \times 6 &= 54 \times (3 + 2 \times 10). \\
1260 &:= \sqrt{9} \times (8 + 76) \times 5 &= \sqrt{4} \times 3 \times 210. \\
1262 &:= \sqrt{9} \times (8 + 7!)/\sqrt{6!}/5 &= \sqrt{4} + 3! \times 210. \\
1280 &:= (\sqrt{9})!! + 8!/(7 + 65) &= 4 \times 32 \times 10. \\
1350 &:= (\sqrt{9})!!/8 \times 7 + 6! &= 5 + 4^3 \times 21 + 0!. \\
1396 &:= (\sqrt{9})!! + 8 \times 7 + 6! &= 5! + 43 \times \sqrt{2^{10}}. \\
1448 &:= (\sqrt{9})!! + 8!/7! + 6 \times 5! &= \sqrt{4} \times (3!! + 2 + 1 + 0)!. \\
1450 &:= 98 + 7 + 6! + 5^4 &= 3!! \times 2 + 10. \\
1453 &:= (\sqrt{9})!! + 8!/7! + 6! + 5 &= \sqrt{4} \times (3!! + (2 + 1)!) + 0!. \\
1460 &:= (\sqrt{9})!! + 8 + 7 + 6! + 5 &= \sqrt{4} \times ((3 \times 2)! + 10). \\
1470 &:= (\sqrt{9})!!/8 \times 7 + 6! + 5! &= (4 + 3) \times 210. \\
1503 &:= 9 \times 87 + 6! &= 5 + (4! + 3!!) \times 2 + 10. \\
1536 &:= \sqrt{9} \times 8^{\sqrt{76+5}} &= 4! \times 32 \times (1 + 0!). \\
1584 &:= 9 \times (8 + 7!/(6 \times 5)) &= 4! \times 3 \times (21 + 0!). \\
1650 &:= ((\sqrt{9})! \times 8 + 7) \times 6 \times 5 &= \sqrt{4} \times 3!! + 210. \\
1824 &:= \sqrt{9} \times 8 \times 76 &= (54 + 3) \times \sqrt{2^{10}}. \\
1860 &:= (\sqrt{9})! \times (8 \times 7 + 6) \times 5 &= \sqrt{4} \times (3!! + 210). \\
1944 &:= \sqrt{9} \times 8 \times 76 + 5! &= 4! \times 3^{2+1+0!}. \\
2058 &:= (\sqrt{9})! \times (8! + 7!/6)/5! &= 4^3/2 + 10. \\
2160 &:= (\sqrt{9})! \times 8 \times 7 \times 6 + 5! + 4! &= 3!! \times (2 \times 1 + 0!). \\
2187 &:= 987 + 6! + 5! \times 4 &= 3^{(2+1)!+0!}. \\
2189 &:= \sqrt{9} \times (8!/7! + 6!) + 5 &= \sqrt{4} + 3^{(2+1)!+0!}. \\
2193 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)^7 + 6 &= (\sqrt{5 + 4})! + 3^{(2+1)!+0!}. \\
2304 &:= \sqrt{9} \times (8!/7! + 6!) + 5! &= 4! \times 3 \times \sqrt{2^{10}}. \\
2400 &:= (98/7 + 6) \times 5! &= \sqrt{4} \times (3 + 2)! \times 10. \\
2885 &:= \sqrt{9} \times 8!/7/6 + 5 &= 4 \times ((3 \times 2)! + 1) + 0!. \\
2907 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)^7 + 6! &= 5 + 4 \times 3!! + 21 + 0!. \\
3072 &:= (9 + 87) \times (6 \times 5 + \sqrt{4}) &= 3 \times 2^{10}.
\end{aligned}$$

$$\begin{aligned}
 3102 &:= ((\sqrt{9})! + 8!)/(7 + 6) &= 5!/4 + 3 \times 2^{10}. \\
 3456 &:= (\sqrt{9})! \times 8 \times (7 + 65) &= (4!^3/2)/(1 + 0!). \\
 3624 &:= \sqrt{9} \times 8 \times (7 + 6!/5) &= 4! + 3!!/2 \times 10. \\
 3698 &:= ((\sqrt{9})! + 8) \times 7 + 6! \times 5 &= 43^2 \times (1 + 0!). \\
 3720 &:= (9 + 8 + 7 + 6!) \times 5 &= 4 \times (3!! + 210). \\
 4032 &:= (9 + 87) \times 6 \times (5 + \sqrt{4}) &= (3! + 2)!/10. \\
 4116 &:= 98 \times 7 \times 6!/5! &= 4^{3!} + 2 \times 10. \\
 4120 &:= (((\sqrt{9})!! + 8)/7 + 6!) \times 5 &= 4 \times (3! + 2^{10}). \\
 4410 &:= ((\sqrt{9})!! + 8 + 7) \times 6 &= ((5 + \sqrt{4}) \times 3)^2 \times 10. \\
 5043 &:= \sqrt{\sqrt{\sqrt{9^8} + 7!}} &= 6 \times 5! \times (4 + 3) + 2 \times 1 + 0!. \\
 5048 &:= (\sqrt{9})! \times (8 + 7!)/6 &= (5 + \sqrt{4})! + 3 \times 2 + 1 + 0!. \\
 5055 &:= \sqrt{\sqrt{\sqrt{9^8} + 7!} + 6} &= (5 + \sqrt{4})! + 3 + 2 + 10. \\
 5062 &:= 9 + 8 + 7 \times 6! + 5 &= (4 + 3)! + 21 + 0!. \\
 5068 &:= 9 + 8 + 7! + 6 + 5 &= (4 + 3!!) \times ((2 + 1)! + 0!). \\
 5088 &:= (\sqrt{9})! \times 8 + 7! &= 6 + (5 + \sqrt{4})! + 32 + 10. \\
 5096 &:= ((\sqrt{9})!! + 8) \times 7 &= 6! + 5^4 \times (3 \times 2 + 1) + 0!. \\
 5121 &:= \sqrt{\sqrt{9^8} + 7 \times 6!} &= (5 + \sqrt{4})! + 3^{2+1+0!}. \\
 5127 &:= \sqrt{\sqrt{9^8} + 7!} + 6 &= (5 + 4!) \times 3 + ((2 + 1)! + 0!)!. \\
 5130 &:= (\sqrt{9})!!/8 + 7 \times 6! &= 5 \times (4^{3+2} + 1 + 0!). \\
 5186 &:= \sqrt{\sqrt{9^8} + 7!} + 65 &= (4! \times 3)^2 + 1 + 0!. \\
 5208 &:= \sqrt{9} \times 8 + 7! + 6!/5 &= (4! + 3!!) \times ((2 + 1)! + 0!). \\
 5250 &:= (\sqrt{9})!!/8 + 7 \times 6! + 5! &= (4 + 3)! + 210. \\
 5472 &:= 9 \times 8 \times 76 &= (5! + 4!) \times (3! + \sqrt{2^{10}}). \\
 5670 &:= \sqrt{9} \times (8 + 7) \times (6 + 5!) &= (4! + 3) \times 210. \\
 5767 &:= (\sqrt{9})!! \times 8 + 7!/6! &= (5 + \sqrt{4})! + 3!! + (2 + 1)! + 0!. \\
 5774 &:= (\sqrt{9})! + 8 + 7! + 6! &= (5! \times 4! + 3!) \times 2 + 1 + 0!. \\
 5775 &:= 9 + 8!/7 + 6 &= 5 + 4 \times 3!! \times 2 + 10. \\
 5776 &:= \sqrt{9} + 8 + 7! + 6! + 5 &= 4 \times (3!! + 2) \times (1 + 0!). \\
 5784 &:= \sqrt{9} \times 8 + 7! + 6! &= (5! + 4) \times 3! + ((2 + 1)! + 0!)!. \\
 6144 &:= (9 \times 8 \times 7 + 6!) \times 5 + 4! &= 3! \times 2^{10}. \\
 6146 &:= \sqrt{4} + 3! \times 2^{10} &= 98 + 7! \times 6/5. \\
 6156 &:= \sqrt{\sqrt{9^8} \times 76} &= \sqrt{5! + 4!} + 3! \times 2^{10}. \\
 6480 &:= (\sqrt{9})!! + 8!/7 &= \sqrt{6! \times 5} + \sqrt{4} \times 3210. \\
 6487 &:= (\sqrt{9})!! \times 8 + 7 + 6! &= (5 + 4) \times 3!! + (2 + 1)! + 0!. \\
 6543 &:= \sqrt{\sqrt{\sqrt{9^8} \times (7 + 6!)}} &= (5 + 4) \times (3! + (2 + 1)! + 0!). \\
 6561 &:= \sqrt{9^8} &= 7 \times 6! + (5 + \sqrt{4} + 32)^{1+0!}. \\
 6568 &:= \sqrt{9^8} + 7 &= 6 + (5 + 4) \times 3^{(2+1)!} + 0!. \\
 6721 &:= ((\sqrt{9})! + 8 \times 7!)/6 &= 5 \times 4^3 \times 21 + 0!. \\
 6726 &:= (\sqrt{9})! + 8 \times 7!/6 &= 5 + (4!/3!)/(2 + 1)! + 0!. \\
 7240 &:= ((\sqrt{9})!! + 8!/7! + 6!) \times 5 &= (\sqrt{4} + 3!! + 2) \times 10. \\
 7268 &:= \sqrt{9^8} + 7 + 6! &= 5! + (4 + 3) \times 2^{10}. \\
 7290 &:= (\sqrt{9})!!/8 \times (76 + 5) &= (4! + 3)^2 \times 10. \\
 7440 &:= (\sqrt{9})!! + 8 \times 7!/6 &= (5! + 4) \times 3 \times 2 \times 10.
 \end{aligned}$$

$$\begin{aligned}
 7560 &:= \sqrt{\sqrt{\sqrt{9^8} \times 7!}/6} &= 5! \times (43 + 2 \times 10). \\
 7561 &:= ((\sqrt{9})! + 8! + 7!)/6 &= 5 \times 4! \times 3 \times 21 + 0!. \\
 7572 &:= 9 \times (8 + 7!)/6 &= (5^4 + 3!) \times (2 + 10). \\
 7680 &:= ((\sqrt{9})!! + 8! + 7!)/6 &= 5! \times 4 \times (3 \times 2 + 10). \\
 7920 &:= (\sqrt{9} + 8!/7!) \times 6! &= 5 \times 4! \times 3 \times (21 + 0!). \\
 8664 &:= \sqrt{9} \times 8 + 7! + 6! \times 5 &= (\sqrt{4} + 3!!) \times (2 + 10). \\
 8928 &:= ((\sqrt{9})! + 8 \times 7) \times 6!/5 &= (4! + 3!!) \times (2 + 10). \\
 10080 &:= 98/7 \times 6! &= (5 + 43) \times 210. \\
 10368 &:= 9 \times 8!/7! \times 6!/5 &= (4! \times 3)^2 \times (1 + 0!). \\
 10800 &:= (\sqrt{9})!! \times (8 + 7) &= 6 \times 5 \times (4 + 32) \times 10. \\
 11520 &:= (\sqrt{9})!! + (8 + 7) \times 6! &= 5! \times (43 \times 2 + 10). \\
 12840 &:= \sqrt{9} \times 8 + 7! + 6^5 &= 4 \times 3210. \\
 13122 &:= \left( \sqrt{\sqrt{\sqrt{9^8}}} \right)^7 \times 6 &= (54 \times 3)^2/(1 + 0!). \\
 13440 &:= ((\sqrt{9})! + 8) \times (7!/6 + 5!) &= 4^3 \times 210. \\
 13441 &:= (\sqrt{9} + 8!)/\sqrt{\sqrt{76 + 5}} &= (\sqrt{43})!/(2 + 1) + 0!. \\
 13824 &:= (9 + 87) \times 6!/5 &= 4!^3 + 21 \times 0. \\
 14400 &:= 9 \times 8 \times (76 + 5! + 4) &= 3!! \times 2 \times 10. \\
 14880 &:= ((\sqrt{9})! \times 8 + 76) \times 5! &= (4! + 3!!) \times (2 \times 10). \\
 15125 &:= ((\sqrt{9})! + 8 + 7) \times 6! + 5 &= 4 + 3!! \times 21 + 0!. \\
 15150 &:= \sqrt{9} \times (8 + 7!) + 6 &= 5 + 4! + 3!! \times 21 + 0!. \\
 15840 &:= \sqrt{\sqrt{\sqrt{9^8} \times 7!} + 6!} &= 5! \times \sqrt{4} \times 3 \times (21 + 0!). \\
 15864 &:= \sqrt{9} \times (8 + 7!) + (6!/5!) &= 4! + 3!! \times (21 + 0!). \\
 17292 &:= \sqrt{9} \times 8!/7 + \sqrt{6!/5} &= 4! \times 3!! + 2 + 10. \\
 17760 &:= (9 \times 8 + 76) \times 5! &= 4! \times (3!! + 2 \times 10). \\
 17808 &:= \sqrt{9} \times (8 \times (7 + 6!) + 5!) &= 4! \times (3!! + 21 + 0!). \\
 20160 &:= \sqrt{9} \times 8 \times 7!/6 &= 5! \times 4 \times (32 + 10). \\
 27648 &:= \sqrt{9} \times 8 \times (7! + 6!)/5 &= (4! + 3) \times 2^{10}. \\
 30240 &:= 9 \times 8 \times 7 \times \sqrt{6! \times 5} &= 4! \times 3! \times 210. \\
 30249 &:= \sqrt{\sqrt{\sqrt{9^8} + 7!}} \times 6 &= 5 + 4 + 3! \times ((2 + 1)! + 0!)!. \\
 30264 &:= \sqrt{9} \times 8 + 7! \times 6!/5! &= 4! + 3! \times ((2 + 1)! + 0!)!. \\
 30294 &:= (\sqrt{9})! + (8 + 7!) \times 6 &= 54 + 3! \times ((2 + 1)! + 0!)!. \\
 30384 &:= (\sqrt{9} \times 8 + 7!) \times 6 &= 5! + 4! + 3! \times ((2 + 1)! + 0!)!. \\
 30672 &:= (9 \times 8 + 7!) \times 6 &= (5! + 4!) \times (3 + 210). \\
 31003 &:= (\sqrt{9})! \times (8 + 7!) + 6! + 5 &= 43 \times ((2 + 1)! + 0!). \\
 31008 &:= (\sqrt{9})!! + (8 + 7!) \times 6 &= 5 + 43 \times ((2 + 1)! + 0!). \\
 34569 &:= 9 + 8!/7 \times 6 &= 5 + (4! \times 3!! + 2) \times (1 + 0!). \\
 34608 &:= ((\sqrt{9})!! + 8 + 7!) \times 6!/5! &= 4! \times (3!! \times 2 + 1 + 0!). \\
 34800 &:= (\sqrt{9})!!/(8 + 7) \times (6! + 5) &= 4! \times (3!! \times 2 + 10). \\
 34896 &:= (\sqrt{9})! \times 8 \times (7 + 6!) &= (5! + 4! \times (3!! + 2)) \times (1 + 0!). \\
 36000 &:= (\sqrt{9})!! \times (8 + 7 \times 6) &= \sqrt{\sqrt{5^4}} \times (3 \times 2)! \times 10. \\
 40323 &:= \sqrt{9} + 8! &= 7! + 6 \times (5 + \sqrt{4})! + 3 + ((2 + 1)! + 0!)!. \\
 40329 &:= 9 + 8! &= 7! \times 6 + 5 + ((4 + 3)! + 2) \times (1 + 0!). \\
 40334 &:= \sqrt{9} + 8 \times 7! + 6 + 5 &= 4 + (3! + 2)! + 10. \\
 40339 &:= (\sqrt{9})! + 8! + 7 + 6 &= 5 + 4 + (3! + 2)! + 10.
 \end{aligned}$$

$$\begin{aligned}
40342 &:= 9 + 8! + 7 + 6 &= 5 \times 4 + (3! + 2)! + 1 + 0!. \\
40342 &:= \sqrt{9} + 8! + 7 + \sqrt{6!/5} &= (\sqrt{4^3})! + 21 + 0!. \\
41046 &:= (\sqrt{9})!! + 8 \times 7! + 6 &= 5 + (4!/3)! + (2 + 1)!! + 0!. \\
45414 &:= \sqrt{\sqrt{9^8} \times (7! + 6)} &= (5 + 4) \times (3! + ((2 + 1)! + 0!)). \\
45432 &:= 9 \times (8 + 7!) &= (6 + 5^4) \times (3 \times 2)!/10. \\
46086 &:= (\sqrt{9})! + 8! + 7! + 6! &= 5 + (\sqrt{4})^{3!} \times (2 + 1)!! + 0!. \\
46657 &:= \sqrt{9^8} \times 7 + 6! + 5 \times \sqrt{4} &= (3!)^{(2+1)!} + 0!. \\
51840 &:= 9 \times 8!/7 &= 6! + 5! \times \sqrt{4} \times (3 + 210). \\
51846 &:= 9 \times 8!/7 + 6 &= 5 + 4! \times 3 \times (2 + 1)!! + 0!. \\
51912 &:= 9 \times (8 + 7! + 6!) &= \sqrt{5! + 4!} \times 3! \times ((2 + 1)!! + 0!). \\
51912 &:= 9 \times (8 + 7! + 6 \times 5!) &= 4! \times 3 \times ((2 + 1)!! + 0!). \\
55440 &:= (\sqrt{9} + 8) \times 7! &= (6 + 5) \times 4 \times 3! \times 210. \\
63360 &:= (\sqrt{9})!! + 87 \times 6! &= 5! \times 4 \times 3! \times (21 + 0!). \\
68040 &:= \sqrt{\sqrt{9^8} \times 7!/6} &= 54 \times 3! \times 210. \\
69120 &:= (9 + 87) \times 6 \times 5! &= 4!^3/2 \times 10. \\
86520 &:= (9 + 8) \times 7! + 6! + 5! &= (\sqrt{4} + 3)! \times ((2 + 1)!! + 0!). \\
92160 &:= (\sqrt{9})!! \times 8!/7! + 6! \times 5! &= 4 \times 3!! \times \sqrt{2^{10}}. \\
100800 &:= 9!/8 + 7! \times (6 + 5) &= (4 + 3)! \times 2 \times 10. \\
117652 &:= \sqrt{9!/8!} + 7^6 &= (5 + \sqrt{4})^{3!} + 2 \times 1 + 0!. \\
117673 &:= \sqrt{9} \times 8 + 7^6 &= (5 + \sqrt{4})^{3!} + (2 \times (1 + 0!))!. \\
118098 &:= \sqrt{9^8} \times (7 + 6 + 5) &= \sqrt{4} \times (3!/2)^{10}. \\
120960 &:= \sqrt{9} \times 8! &= 7!/6 + 5! \times ((4 + 3!)^{2+1} + 0!). \\
120966 &:= \sqrt{9} \times 8 \times 7! + 6 &= 5 + (\sqrt{4^3})! \times (2 + 1) + 0!. \\
120967 &:= \sqrt{9} \times 8! + 7 &= (6! + 5!) \times 4! \times 3! + (2 + 1)! + 0!. \\
121032 &:= \sqrt{9} \times 8! + 7 + 65 &= 4! \times (3 + ((2 + 1)! + 0!)). \\
121104 &:= \sqrt{9} \times 8 \times (7! + 6!/5!) &= 4! \times (3! + ((2 + 1)! + 0!)). \\
121800 &:= \sqrt{9} \times 8! + 7!/6 &= (5! + 4! \times 3!!) \times ((2 + 1)! + 0!). \\
123120 &:= \sqrt{9} \times (8 \times 7! + 6!) &= 5! \times (\sqrt{4} + 32^{1+0!}). \\
123480 &:= \sqrt{9} \times (8! + 7!/6) &= 5! \times (\sqrt{4} + 3 + 2^{10}). \\
141120 &:= \sqrt{9} \times 8! \times 7/6 &= (5 + \sqrt{4})! \times (3! + 21 + 0!). \\
145152 &:= 9!/(8 + 7) \times 6 &= (5 + 4)!/(3 + 2) \times (1 + 0!). \\
145152 &:= \sqrt{9} \times 8 \times 7! \times 6/5 &= 4 \times (3^2)!/10. \\
151200 &:= (98 + 7) \times 6 \times 5! \times \sqrt{4} &= 3!! \times 210. \\
151224 &:= \sqrt{9} \times 8 + 7! \times 6 \times 5 &= 4! + 3!! \times 210. \\
151620 &:= ((\sqrt{9})! + 8 + 7!) \times 6 \times 5 &= (\sqrt{4} + 3!!) \times 210. \\
153360 &:= \sqrt{9 + 8! + 7!} \times 6! &= (\sqrt{5 + 4})!! \times (3 + 210). \\
172800 &:= \sqrt{(9! + 8!)/7} \times 6! &= 5! \times 4! \times 3 \times 2 \times 10. \\
181464 &:= \sqrt{9} \times (8 + 7! \times \sqrt{6!/5}) &= 4! + (3^2)!/(1 + 0!). \\
186624 &:= (9 + 8 + 7) \times 6^5 &= 432^{1+0!}. \\
207360 &:= (\sqrt{9})! \times 8!/7 \times 6 &= 5! \times 4! \times 3! \times (2 + 10). \\
230400 &:= (9!/(8!/7!)) + 6! \times 5 &= (4 \times (3 + 2)!)^{1+0!}. \\
259200 &:= (\sqrt{9})! \times 8 \times 7! + 6 \times 5! \times 4! &= 3!^{2!}/(1 + 0!). \\
259224 &:= \sqrt{9} \times (8!/7! + 6! \times 5!) &= 4! + 3!^{2!}/(1 + 0!). \\
272214 &:= (9 + 8! + 7!) \times 6 &= 54 \times ((3 \times 2 + 1)! + 0!). \\
279936 &:= (\sqrt{9!/8!})!^7 &= 6^5 \times 4 \times 3^2 \times 1. \\
302400 &:= (9!/8 + 7!) \times 6 &= 5! \times 4 \times 3 \times 210. \\
317520 &:= 9!/8 \times 7 &= (6 + 5!) \times 4 \times 3 \times 210. \\
332640 &:= (\sqrt{9} + 8) \times 7! \times 6 &= (5!^{\sqrt{4}} + 3!!) \times (21 + 0!). \\
345600 &:= (9 + 87) \times 6! \times 5 &= 4! \times 3!! \times 2 \times 10. \\
362895 &:= 9! + 8 + 7!/6! &= (5 + 4)! + 3 + 2 + 10. \\
362906 &:= 9! + 8 + 7 + 6 + 5 &= 4! + (3^2)! + 1 + 0!. \\
362922 &:= 9 \times 8! + 7 \times 6 &= (5 + 4)! + 32 + 10. \\
362936 &:= 9! + 8 \times 7!/6! &= 54 + (3^2)! + 1 + 0!. \\
362942 &:= 9! + 8 \times 7 + 6 &= 5!/\sqrt{4} + (3^2)! + 1 + 0!. \\
362970 &:= 9! + (8 + 7) \times 6 &= (5 + 4)! + 3^2 \times 10. \\
363607 &:= 9 \times 8! + 7 + 6! &= (5 + 4)! + 3!! + (2 + 1)! + 0!. \\
367926 &:= 9 \times 8! + 7! + 6 &= (5 + 4)! + 3! + ((2 + 1)! + 0!))!. \\
367928 &:= 9! + 8 + 7! &= 6 + (5 + \sqrt{4})! + (3^2)! + 1 + 0!. \\
368640 &:= 9 \times 8! + 7! + 6! &= 5 \times 4! \times 3 \times 2^{10}. \\
380160 &:= (\sqrt{9})! \times 8!/7 \times (6 + 5) &= 4! \times 3!! \times (21 + 0!). \\
393120 &:= 9 \times 8! + 7! \times 6 &= (5 + 4)! + 3! \times ((2 + 1)! + 0!))!. \\
403207 &:= 9! + 8! + 7!/6! &= 5 + \sqrt{4} + (3! + 2)! \times 10. \\
403240 &:= 9! + 8! + 7!/(6 + 5!) &= (4 + (3! + 2)!) \times 10. \\
403440 &:= 9! + 8 \times (7! + 6 \times 5) &= (4! + (3! + 2)!) \times 10. \\
408240 &:= 9 \times (8! + 7!) &= 6 \times 54 \times 3! \times 210. \\
483840 &:= 9!/(8 + 7) \times 6 \times 5! &= (\sqrt{4^3})! \times (2 + 10). \\
524289 &:= 9 + 8! \times (7 + 6) + 5! &= \sqrt{4^{3!!/2+1}} + 0!. \\
531441 &:= \sqrt{9^8} \times (76 + 5) &= (4! + 3!)^{2+1+0!}. \\
552960 &:= ((\sqrt{9})!! + 8! + 7!) \times \sqrt{6!/5} &= 4! \times 3!! \times \sqrt{2^{10}}. \\
559872 &:= 9 \times 8!/7! \times 6^5 &= \sqrt{4} \times 3!^{(2+1)+0!}. \\
564480 &:= 98 \times (7! + 6!) &= (5 + \sqrt{4}) \times (3! + 2)! \times (1 + 0!). \\
604800 &:= \sqrt{9} \times 8 \times 7 \times 6! \times 5 &= 4 \times 3!! \times 210. \\
725760 &:= 9! + 8! \times \sqrt{76 + 5} &= 4 \times (3^2)!/(1 + 0!). \\
725763 &:= \sqrt{9} + 8! \times (7 + 6 + 5) &= \sqrt{4} \times ((3^2)! + 1) + 0!. \\
725768 &:= 9! + 8 + (\sqrt{76 + 5})! &= (4 + (3^2)!) \times (1 + 0!). \\
725784 &:= \sqrt{9} \times 8 + 7! \times 6!/5 &= 4! + (3^2)! \times (1 + 0!). \\
725808 &:= (\sqrt{9})! \times 8 + 7! \times 6!/5 &= (4! + (3^2)!) \times (1 + 0!). \\
737280 &:= 9! + 8!/7 \times 65 &= (\sqrt{4} \times 3!) \times 2^{10}. \\
756000 &:= \sqrt{9} \times 8! + 7! \times 6 &= 5 \times (\sqrt{4} \times 3!) \times 210. \\
846726 &:= \sqrt{9} \times 8! \times 7 + 6 &= 5 + (4!/3)! \times 21 + 0!.
\end{aligned}$$



5. RUNNING EXPRESSIONS WITH NEGATIVE SIGN

Above we worked with positive. Here below below we shall present running expressions in increasing as well decreasing order with negative sign.

1 := $1^{23456}$	= $(-7 + 8)^9$	12 := 12	= $3 \times (4 + 5 + 67 - 8 \times 9)$
:= $(9 - 8)^{765}$	= $(4 - 3)^{21}$	:= $(9 - 8)^7 + 6 + 5$	= $4 \times 3 \times (2 - 1)$
:= $(9 - 8)^{7654}$	= $(3 - 2)^{10}$ .	:= $(9 - 8) \times 7 + 6 - 5 + 4$	= $(3 + 2)!/10$ .
2 := 12/3!	= $45 - 6 \times 7 + 8 - 9$	13 := 12/3 + 4 + 5	= $6 - 7 \times (8 - 9)$
:= $\sqrt{9} - 8 + 7$	= $6 \times 5 - 4 - 3 - 21$ .	:= 98/7 - 6 + 5	= $4 + 3^2 \times 1$
3 := 1 + 2	= $3 + 4 \times (56/7 - 8) \times 9$	:= $\left(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}}\right)! + 7$	= $(6 - 5)^{43} + 2 + 10$ .
:= $\sqrt{9} \times (8 - 7)$	= $6 \times 54 - 321$	14 := $12 \times 3/4 + 5$	= $6 + 7 - 8 + 9$
:= $\sqrt{9} \times (8 - 7)$	= $6 + 5 \times 4 - 3 - 2 \times 10$ .	:= $9 - 8 + 7 + 6$	= $5 - 4 \times 3 + 21$
4 := $1^{23} \times 4$	= $5 - (-6 + 7)^{89}$	:= $9 - 8 + 7 + 6$	= $5 + 4 - 3 - 2 + 10$ .
:= $(98/7 + 6)/5$	= $4 + 3 - 2 - 1$	15 := $12 - 3 \times (4 - 5)$	= $6 - (7 - 8) \times 9$
:= $(9 + 8 + 7)/6$	= $54 - (3 + 2) \times 10$ .	:= $(\sqrt{9} + 87)/6$	= $54/3 - 2 - 1$
5 := $1^{23} + 4$	= $5 + 6 - 7 - 8 + 9$	:= $(\sqrt{9} + 87)/6$	= $5 \times (4 + 3) - 2 \times 10$ .
:= $(9 - 8)^{765} + 4$	= $3 \times 2 - 1$	16 := $12 + 3 - 4 + 5$	= $6 - 7 + 8 + 9$
:= $(9 - 8)^{76} \times 5$	= $4 - 3^2 + 10$ .	:= $(9 + 87)/6$	= $54/3 - 2 \times 1$
6 := $1^{2345} \times 6$	= $7 + 8 - 9$	:= $(9 \times (-8 + 7) + 6 + 5)^4$	= $3 \times 2 + 10$ .
:= $(9 - 8)^{76} + 5$	= $4 + 3 - 2 + 1$	17 := $1 \times 2 + 3 + 4 - 5 + 6 + 7 = 8 + 9$	
:= $(9 - 8)^7 \times 6$	= $54/3 - 2 - 10$ .	:= $9 + 8$	= $7 + (65 - 43)/2 - 1$
7 := $1^{2345} + 6$	= $7 \times (-8 + 9)$	:= $9 + 8$	= $7 + 65 - 43 - 2 - 10$ .
:= $(9 - 8)^7 + 6$	= $5 + 4 - 3 + 2 - 1$	18 := $12 - 3 + 4 + 5$	= $6! - 78 \times 9$
:= $(9 - 8)^7 + 6$	= $5 + 4! - 32 + 10$ .	:= $(9 + 87 - 6)/5$	= $\sqrt{4} \times 3 \times (2 + 1)$
8 := $12 - 34 + 5 \times 6$	= $7 - 8 + 9$	:= $9 - 8 \times 7 + 65$	= $4 + 3! - 2 + 10$ .
:= $9 - 8 + 7$	= $6 \times 5 - 43 + 21$	21 := $-1 - 23 + 45$	= $(6 - 7 + 8) \times \sqrt{9}$
:= $9 - 8 + 7$	= $654/3 - 210$ .	:= $98 - 7 \times (6 + 5)$	= $(4 - 3) \times 21$
9 := $-12 \times 3 + 45$	= $(-6 + 7)^8 \times 9$	:= $98 - 76 - 5 + 4$	= $3 \times ((2 + 1)! + 0!)$ .
:= $9 \times (8 - 7)^{65}$	= $4 + 3 + 2 \times 1$	22 := $-12 + 34$	= $5 \times 6 - 7 + 8 - 9$
:= $9 \times (8 - 7)^{65}$	= $4 - 3 - 2 + 10$ .	:= $9 + 8 \times (7 - 6) + 5$	= $43 - 21$
10 := $12 - 3 - 4 + 5$	= $6 \times (7 + 8)/9$	:= $(9 - 8) \times 7 + 6 + 5 + 4$	= $32 - 10$ .
:= $9 + (8 - 7)^{65}$	= $4 + 3 + 2 + 1$	23 := $1 \times 23$	= $45 + 67 - 89$
:= $9 + (8 - 7)^6$	= $54/3 + 2 - 10$ .	:= $\sqrt{9} \times 8 - 7 + 6$	= $54 - 32 + 1$
11 := $1^2 \times (34 - 5 \times 6) + 7 = 8 + \sqrt{9}$		:= $9 + \sqrt{87 - 6} + 5$	= $43 - 2 \times 10$ .
:= $\sqrt{9} + 8$	= $7 + 6 - 5 \times 4 - 3 + 21$	24 := $1 \times 2 - 34 + 56$	= $7 + 8 + 9$
:= $9 - 87 + 65 + 4!$	= $3 - 2 + 10$ .	:= $9 + 8 + 7$	= $65 - 43 + 2 \times 1$
		:= $9 + 8 + 7$	= $654 - 3 \times 210$ .

$$\begin{aligned}
26 &:= 1 \times 23 + \sqrt{4+5} &= (6+7) \times (8 - (\sqrt{9})!) \\
&:= (-\sqrt{9})! + 8) \times (7+6) &= 5 \times (4-3) + 21 \\
&:= (9-8)^7 \times (6 \times 5 - 4) &= 3! + 2 \times 10.
\end{aligned}$$

$$\begin{aligned}
27 &:= 1 \times 23 + 4 &= 5 - 67 + 89 \\
&:= \sqrt{9 \times (87-6)} &= 5 + 43 - 21 \\
&:= 98 - 76 + 5 &= 4 + 3 + 2 \times 10.
\end{aligned}$$

$$\begin{aligned}
28 &:= 1 + 23 + 4 &= \sqrt{-5+6!+78-9} \\
&:= \sqrt{9} \times 8 \times 7/6 &= (5+4) \times 3 + 2 - 1 \\
&:= 98/7 - 6 + 5 \times 4 &= 3! + 21 + 0!.
\end{aligned}$$

$$\begin{aligned}
29 &:= 1 \times 2 + 3 + 4! &= 5 \times 6 - (-7+8)^9 \\
&:= \sqrt{(9+87) \times 6} + 5 &= -4 + 32 + 1.
\end{aligned}$$

$$\begin{aligned}
30 &:= -12 - 3 + 45 &= 6 + 7 + 8 + 9 \\
&:= 9 + 8 + 7 + 6 &= 54 - 3 - 21 \\
&:= 98 - 7 - 65 + 4 &= 32 - 1 - 0!.
\end{aligned}$$

$$\begin{aligned}
33 &:= 1 - 2 + 34 &= 5 + (6+78)/\sqrt{9} \\
&:= -\sqrt{\sqrt{9^8} + 7} \times 6 &= (5-4) \times 32 + 1.
\end{aligned}$$

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

$$\begin{aligned}
35 &:= 12 - 3 + 4 \times 5 + 6 &= 7 \times (8 - \sqrt{9}) \\
&:= ((9-8)^7 + 6) \times 5 &= 4 + 32 - 1 \\
&:= ((9-8)^7 + 6) \times 5 &= 43 + 2 - 10.
\end{aligned}$$

$$\begin{aligned}
36 &:= 12 \times 3 &= 4 + 56 - 7 - 8 - 9 \\
&:= (-9 + 8 + 7) \times 6 &= 54 + 3 - 21.
\end{aligned}$$

$$\begin{aligned}
37 &:= (9-8) \times (7 \times 6 - 5) &= 4 + 32 + 1 \\
&:= 1 + 2 + 34 &= 5 \times 6 - 7 \times (8-9) \\
&:= \sqrt{9} - 8 + 7 \times 6 &= 54 + 3 - 2 \times 10.
\end{aligned}$$

$$\begin{aligned}
39 &:= -98 - 7 + 6!/5 &= 4 + 3!^2 - 1 \\
&:= 12 + 3 + 4! &= 5! + 6 - 78 - 9 \\
&:= -98 \times 7 + 6! + 5 &= 4! + 3 + 2 + 10
\end{aligned}$$

$$\begin{aligned}
40 &:= 12 \times 3 + 4 &= 5 \times (-6 + 78)/9 \\
&:= 9 - 87 - 6 + 5! + 4 &= (3! - 2) \times 10.
\end{aligned}$$

$$\begin{aligned}
42 &:= 1 + 2 + 34 + 5 &= 6 \times 7 \times (-8+9) \\
&:= (9-8) \times 7 \times 6 &= 5 + 4 + 32 + 1 \\
&:= 9 - 8 - 7 - 6 + 54 &= 32 + 10.
\end{aligned}$$

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

$$\begin{aligned}
44 &:= 1 \times 2 - 3 + 45 &= 6 \times 7 + 8 - (\sqrt{9})! \\
&:= 98/7 + 6 \times 5 &= 43 + 2 - 1.
\end{aligned}$$

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

$$\begin{aligned}
46 &:= 12 + 34 &= 56 + 7 - 8 - 9 \\
&:= -9 + 8 \times 7 - 6 + 5 &= 43 + 2 + 1 \\
&:= -9 + 8 + 7 \times 6 + 5 &= 4 + 32 + 10.
\end{aligned}$$

$$\begin{aligned}
47 &:= 12 + 34 - 5 + 6 &= 7 \times 8 - 9 \\
&:= (\sqrt{9})! \times 8 - 7 + 6 &= 5 + 43 - 2 + 1 \\
&:= -9 + 8 \times 7 &= 65 \times 4 - 3 - 210.
\end{aligned}$$

$$\begin{aligned}
48 &:= 12 \times (3 - 4 + 5) &= 6 \times (7 - 8 + 9) \\
&:= 9 - 87 + 6 + 5! &= 4! + 3 + 21 \\
&:= (\sqrt{9})! \times 8 &= 7 + 6 - 5 - \sqrt{4} + 32 + 10.
\end{aligned}$$

$$\begin{aligned}
50 &:= 1 \times 2 + 3 + 45 &= 67 - 8 - 9 \\
&:= -\sqrt{9} + 8!/7! \times 6 + 5 &= (4+3)^2 + 1 \\
&:= 9 \times 8 - 76 + 54 &= (3+2) \times 10.
\end{aligned}$$

$$\begin{aligned}
51 &:= (1+2)^3 + 4! &= 5!/6 \times 7 - 89 \\
&:= \sqrt{9} \times (8+7) + 6 &= 54 - 3 + 21 \times 0.
\end{aligned}$$

$$\begin{aligned}
52 &:= (1+2 \times 3!) \times 4 &= 5 - 6 \times 7 + 89 \\
&:= -\sqrt{9} \times 8 + 76 &= 54 - 3 + 2 - 1 \\
&:= -\sqrt{9} \times 8 + 76 &= 5 + 4! + 3 + 2 \times 10.
\end{aligned}$$

$$\begin{aligned}
53 &:= 1 \times 2^3 + 45 &= 6 + 7 \times 8 - 9 \\
&:= -9 + 8 \times 7 + 6 &= 54 - 3 + 2 \times 1 \\
&:= -9 + 8 \times 7 + 6 &= 54 + 3^2 - 10.
\end{aligned}$$

$$\begin{aligned}
54 &:= 12 - 3 + 45 &= 6 \times (-7+8) \times 9 \\
&:= 9 \times (8-7) \times 6 &= 54 - 3 + 2 + 1 \\
&:= 98 + 76 - 5! &= \sqrt{4} \times 32 - 10.
\end{aligned}$$

$$\begin{aligned}
55 &:= 1 + 2 \times (3+4!) &= 56 - (-7+8)^9 \\
&:= \sqrt{9} + 8 - 76 + 5! &= 4! + 32 - 1 \\
&:= \sqrt{9} + 8 - 76 + 5! &= 43 + 2 + 10.
\end{aligned}$$

$$\begin{aligned}
56 &:= 12 \times 3 + 4 \times 5 &= 67 - 8 - \sqrt{9} \\
&:= -(\sqrt{9})! + 8 \times 7 + 6 &= 5 + 4! \times 3 - 21 \\
&:= 98 - 7 \times 6 &= 5 + 43 - 2 + 10.
\end{aligned}$$

$$\begin{aligned} 57 &:= -1 + 2 \times (34 - 5) &= 6!/(7 + 8) + 9 \\ &:= -9 + 8 - 7 + 65 &= 4! + 32 + 1 \\ &:= 9 + 8!/7! \times 6 &= 5 + 4^3 - 2 - 10. \end{aligned}$$

$$\begin{aligned} 74 &:= 12 \times 3! + \sqrt{4} &= 5 - 6! + 789 \\ &:= 9 \times (8 - 7) + 65 &= 4! \times 3 + 2 \times 1 \\ &:= 9 \times (8 - 7) + 65 &= \sqrt{4} \times 32 + 10. \end{aligned}$$

$$\begin{aligned} 59 &:= 1 + 2 \times (34 - 5) &= 6 \times 7 + 8 + 9 \\ &:= \sqrt{9} + 8 \times 7 &= 65 - 4 - 3 + 2 - 1 \\ &:= 9 + 8 + 7 \times 6 &= 54 - 3 - 2 + 10. \end{aligned}$$

$$\begin{aligned} 75 &:= 1 + 2 + 3 \times 4! &= 5 \times (6 - (7 - 8) \times 9) \\ &:= -9 + 8 + 76 &= (-5 + 43) \times 2 - 1 \\ &:= 98 + 7 - 6 \times 5 &= 43 + \sqrt{2^{10}}. \end{aligned}$$

$$\begin{aligned} 60 &:= 12 + 3 + 45 &= 6 \times (-7 + 8 + 9) \\ &:= (9 + 8 - 7) \times 6 &= 54 + 3 \times 2 \times 1 \\ &:= (9 + 8 - 7) \times 6 &= 5 + 43 + 2 + 10. \end{aligned}$$

$$\begin{aligned} 77 &:= -1 + 2 \times (34 + 5) &= 6 + \sqrt{7! - 8 + 9} \\ &:= 9 - 8 + 76 &= 5 + 4 \times (-3 + 21) \\ &:= 9 - 8 + 76 &= 54 + 3 + 2 \times 10. \end{aligned}$$

$$\begin{aligned} 62 &:= 12 + (3! + 4) \times 5 &= 67 - 8 + \sqrt{9} \\ &:= (\sqrt{9})! + 8 \times 7 &= 6 + 54 + 3 - 2 + 1 \\ &:= 98/7 - 6 + 54 &= 3 \times 21 - 0!. \end{aligned}$$

$$\begin{aligned} 78 &:= -1 - 2 + 3^4 &= 5 - 6 + 7 + 8 \times 9 \\ &:= -9 + 87 &= 6 + 54 - 3 + 21 \\ &:= -9 + 87 &= 6 + 54 + 3! + 2 + 10. \end{aligned}$$

$$\begin{aligned} 63 &:= -1 + 2^{3!} &= 45 - 6 + 7 + 8 + 9 \\ &:= 9 - 8 - 7 + 65 + 4 &= 3 \times 21 \\ &:= 9 \times 87 - 6! &= 54 - 3 + 2 + 10. \end{aligned}$$

$$\begin{aligned} 80 &:= 1 - 2 + 3^4 &= 5 + 6 + 78 - 9 \\ &:= \sqrt{\sqrt{9^8} - 7 + 6} &= 54 \times 3/2 - 1 \\ &:= 98 - (7 + 65)/4 &= (3! + 2) \times 10. \end{aligned}$$

$$\begin{aligned} 64 &:= 1 \times 2^{3!} &= 45 + 67 - 8 \times (\sqrt{9})! \\ &:= -\sqrt{9} + 8 \times 7 + 6 + 5 &= 43 + 21 \\ &:= 98 + 7 - 65 + 4! &= 32 \times (1 + 0!). \end{aligned}$$

$$\begin{aligned} 81 &:= 12 \times 3 + 45 &= 6 \times (7 + 8) - 9 \\ &:= 9 \times (8 + 7 - 6) &= 54 \times 3/2 \times 1 \\ &:= 9 \times (8 + 7 - 6) &= 5 + 43 \times 2 - 10. \end{aligned}$$

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

$$\begin{aligned} 82 &:= 1^2 + 3^4 &= (5 - 6) \times (7 - 89) \\ &:= 9 - 8 + 76 + 5 &= (43 - 2) \times (1 + 0!). \end{aligned}$$

$$\begin{aligned} 66 &:= 1 \times 2^{3!} + \sqrt{4} &= 56 - 7 + 8 + 9 \\ &:= (9 - 8)^7 + 65 &= 4^3 + 2 \times 1 \\ &:= (9 - 8)^7 + 65 &= 4! + 32 + 10. \end{aligned}$$

$$\begin{aligned} 84 &:= -1 \times 2 + 3^4 + 5 &= 67 + 8 + 9 \\ &:= 98/7 \times 6 &= (5 - 4 + 3) \times 21 \\ &:= -\sqrt{9} + 87 &= 65 + 4 + 3 + 2 + 10. \end{aligned}$$

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

$$\begin{aligned} 88 &:= (-1 + 23) \times 4 &= 5 + 6 + 7 \times (8 + \sqrt{9}) \\ &:= \sqrt{\sqrt{9^8} + 7} &= 6 - 5 + 43 \times 2 + 1 \\ &:= \sqrt{\sqrt{9^8} + 7} &= 65 + 43 - 2 \times 10. \end{aligned}$$

$$\begin{aligned} 68 &:= 1 \times 2 \times 34 &= 5 - 6 + 78 - 9 \\ &:= (\sqrt{9} + 8) - 7 + 65 &= 4! \times 3 - 2 - 1 \\ &:= \sqrt{9} \times (8 - 7) + 65 &= 4 + 3 \times 21 + 0!. \end{aligned}$$

$$\begin{aligned} 89 &:= -1 + 23 + 4 + 56 + 7 = 89 \\ &:= (\sqrt{9})!/8 - 7 + 6 &= 54 + 3!^2 - 1 \\ &:= 9 + 8 + 7 + 65 &= (4! + 3!) \times (2 + 1) - 0!. \end{aligned}$$

$$\begin{aligned} 71 &:= 1 - 2 + 3 \times 4! &= 5 + 67 + 8 - 9 \\ &:= 9 \times 8 - 7 + 6 &= 5 + 4^3 + 2 \times 1 \\ &:= 9 \times 8 - 7 + 6 &= 54 \times 3/2 - 10. \end{aligned}$$

$$\begin{aligned} 90 &:= (1 + 2) \times (3! + 4!) &= 5 \times (6! - 78 \times 9) \\ &:= 98 - 7 - 6 + 5 &= (4! + 3!) \times (2 + 1) \\ &:= 98 - 7 - 6 + 5 &= (4 + 3 + 2) \times 10. \end{aligned}$$

$$\begin{aligned} 72 &:= 12 \times 3 \times \sqrt{4} &= 5 - 67 \times (8 - 9) \\ &:= 9 \times 8 &= 7 + 65 + 4 - 3 - 2 + 1 \\ &:= 9 + 8 + 7 - 6 + 54 &= 3! \times (2 + 10). \end{aligned}$$

$$\begin{aligned} 93 &:= 12 + 3^4 &= 5 + 6 - 7 + 89 \\ &:= 9 + 8 + 76 &= 5! + 4 - 32 + 1 \\ &:= 9 + 8 + 76 &= 5! - 4 - 3 - 2 \times 10. \end{aligned}$$

$$\begin{aligned}
95 &:= (12 + 3 + 4) \times 5 = (6 + 7) \times 8 - 9 \\
&:= 9 + 87 - 6 + 5 = 4 \times (3! - 2)! - 1 \\
&:= 9 + 87 - 6 + 5 = 4 \times (3 + 21) - 0!. \\
96 &:= (1 + 23) \times 4 = \sqrt{56 - 7} + 89 \\
&:= 9 + 87 = 6 + 5 + 43 \times 2 - 1 \\
&:= 9 + 87 = 65 + 43 - 2 - 10. \\
97 &:= 1 \times 23 \times 4 + 5 = 6! - 7 \times 89 \\
&:= 98 - 7 + 6 = (5 + 43) \times 2 + 1 \\
&:= 98 - 7 + 6 = 5 + 4 \times (3 + 2 \times 10). \\
98 &:= 12 - 34 + 5! = (6 + 7) \times 8 - (\sqrt{9})! \\
&:= 98 = 76 + 54 - 32 \times 1 \\
&:= 98 = 7 + 65 + 4 + 32 - 10. \\
99 &:= -1 \times 23 + \sqrt{4} + 5! = 6 \times (7 + 8) + 9 \\
&:= 98 + (7 - 6)^5 = (4 + 3!)^2 - 1. \\
100 &:= (1 + (-2 + 3!)!) \times 4 = 5 + (6 + 7) \times 8 - 9 \\
&:= \sqrt{9} \times 8 + 76 = (5 + 4 + 3 - 2) \times 10. \\
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. \\
102 &:= 1 - 23 + 4 + 5! = 6 + 7 + 89 \\
&:= 9 + 87 + 6 = (54 - 3) \times 2 \times 1 \\
&:= 9 + 87 + 6 = 54 + 3! \times (-2 + 10). \\
104 &:= 123 - 4! + 5 = 6 + 7 \times (8 + (\sqrt{9})!) \\
&:= ((\sqrt{9})!! + 8)/7 = 6 + 5! - 4 + 3 - 21 \\
&:= 98 + 7 - 6 + 5 = 4 \times (3! + 2 \times 10). \\
105 &:= -12 + 3 \times (45 - 6) = 7!/(8 \times (\sqrt{9})!) \\
&:= 98 + 7 = 65 + 43 - 2 - 1 \\
&:= 98 + 7 = 6 \times 5 \times 4 - 3 - 2 - 10. \\
108 &:= (1 + 2)^3 \times 4 = (5 + 6 - 7 + 8) \times 9 \\
&:= (\sqrt{9} + 8 + 7) \times 6 = 54 \times (3 - 2 + 1). \\
110 &:= (-12 + 34) \times 5 = (6 + 7) \times 8 + (\sqrt{9})! \\
&:= (\sqrt{9})! + 8 \times (7 + 6) = 5 \times (43 - 21) \\
&:= 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. \\
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) = (54 + 3) \times 2 - 1 \\
&:= 9 + 8 \times (7 + 6!/5!) = (\sqrt{4} + 3)! - (2 + 1)! - 0!. \\
114 &:= -(1 + 2)! + (3 + \sqrt{4})! = 5 \times 6 + 78 + (\sqrt{9})! \\
&:= -\sqrt{9} + 87 + 6 \times 5 = (\sqrt{4} + 3)! - (2 + 1)! \\
&:= 9 \times 8 + 7 \times 6 = 54 \times 3! - 210. \\
117 &:= (1 + 2) \times (34 + 5) = (6 + 7 - 8)! - \sqrt{9} \\
&:= 9 \times (8 \times (7 - 6) + 5) = (\sqrt{4} + 3)! - 2 - 1 \\
&:= \sqrt{\sqrt{\sqrt{9^8}}} \times (7 + 6) = 5 + (\sqrt{4} + 3)! + 2 - 10. \\
120 &:= (1 \times 2 + 3)! = 45 + 6 + 78 - 9 \\
&:= \sqrt{9} + 87 + 6 \times 5 = 4! \times (3 \times 2 - 1) \\
&:= ((\sqrt{9})! - 8 + 7)! = 6 + 54 + 3 \times 2 \times 10. \\
121 &:= 1 + (2 + 3)! = 45 - 6 - 7 + 89 \\
&:= 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 \\
&:= 9 \times (8 - 7) - 6 + 5! = 4! \times 3! - 21 \\
&:= 98 - 7 + 6 \times 5 + \sqrt{4} = 3 + ((2 + 1)! - 0!)!. \\
124 &:= 1 \times ((2 + 3)! + 4) = 5 + 6 - 7 + (8 - \sqrt{9})! \\
&:= (9 + 8) \times 7!/6! + 5 = 4 \times (32 - 1). \\
125 &:= 123 + \sqrt{4} = 56 + 78 - 9 \\
&:= 9 \times 8 - 7 + \sqrt{6! \times 5} = (\sqrt{4} + 3)^{2+1} \\
&:= 9 \times 8 - 7 + 6 + 54 = 3! \times 21 - 0!. \\
126 &:= 123 - \sqrt{4} + 5 = 5 \times 6 + 7 + 89 \\
&:= 98 - 7 + 6 + 5 + 4! = 3! \times 21. \\
127 &:= (123 + 4) \times (-5 + 6) = 7 + (8 - \sqrt{9})! \\
&:= (\sqrt{9})! + 8 \times 7 + 65 = 4 \times 32 - 1 \\
&:= 98 \times (7 - 6) + 5 + 4! = 3! \times 21 + 0!. \\
128 &:= 1 \times 2^{3+4} = 5! + 6 + 7 - 8 + \sqrt{9} \\
&:= 98/7 - 6 + 5! = 4 \times 32 \times 1 \\
&:= (-\sqrt{9})! + 8)^7 = 65 + 43 + 2 \times 10.
\end{aligned}$$

131 := 12 + 3 - 4 + 5!	= 6 × 7 + 89	179 := 1 - 2 + 3!!/4	= 5! - 6 - 7 + 8 × 9
:= √9 + 8 × (7 - 6) + 5!	= 4 × (32 + 1) - 0!.	:= 98 + 76 + 5	= (4! + 3!) × (2 + 1)! - 0!.
132 := 12 + (3 + √4)!	= 5! + 6 + 7 + 8 - 9	180 := (√(12 × 3))!/4	= 5 × 6 × (7 + 8 - 9)
:= √9 - 8 - 7 + 6!/5	= 4 × (32 + 1).	:= (-9 + 8 + 7) × 6 × 5	= (4! + 3!) × (2 + 1)!
		:= (-9 + 8 + 7) × 6 × 5	= √4 × 3 <sup>2</sup> × 10.
133 := 123 + √4 × 5	= 6 + 7 + (8 - √9)!	182 := 1 × 2 + 3!!/4	= 5! + 67 - 8 + √9
:= (-√9 + 8)! + 7 + 6	= 5 + 4 × 32 × 1	:= ((√9)! + 8) × (7 + 6)	= 5! + 4 <sup>3</sup> - 2 × 1
:= (-√9 + 8)! + 7 + 6	= 5! + 4 - 3 + 2 + 10.	:= (√9)! + 8 + 7!/(6 × 5)	= 4! × (3! + 2) - 10.
134 := 1 - 2 + 3 × 45	= 67 × (8 - (√9)!)!	186 := (1 + 2)! + 3!!/4	= 5! + 67 + 8 - 9
:= -(√9)! + 8 <sup>7</sup> + 6	= 5 + 4 × 32 + 1	:= (√9 × (8 × 7 + 6))	= -5 + 4! × (3! + 2) - 1.
:= 9 × (8 + 7) - 6 + 5	= (4 × 3) <sup>2</sup> - 10.		
138 := -(1 + 2)! + 3! × 4!	= 56 - 7 + 89	191 := -1 + 2 <sup>3</sup> × 4!	= 56 + (7 + 8) × 9
:= 9 + 8 + 7 - 6 + 5!	= 4! × 3! - (2 + 1)!.	:= √9 × (8 × 7 + 6) + 5	= 4! × (3! + 2) - 1
		:= √9 × (8 × 7 + 6) + 5	= 4 <sup>3</sup> × (2 + 1) - 0!.
141 := -1 - 2 + 3! × 4!	= 5!/6 × 7 - 8 + 9	193 := 1 + 2 <sup>3</sup> × 4!	= 5 × 6 × 7 - 8 - 9
:= 9 × (8 + 7) + 6	= 54 × 3 - 21.	:= -(9 + 8) + 7 × 6 × 5	= 4! × (3! + 2) + 1
		:= -(9 + 8) + 7 × 6 × 5	= 4 <sup>3</sup> × (2 + 1) + 0!.
142 := -1 × 2 + 3! × 4!	= 5! - 67 + 89	204 := 12 × (3 × 4 + 5)	= (6 × 7 - 8) × (√9)!
:= 98 - 76 + 5!	= 4! × 3! - 2 × 1	:= √9 × (-8 + 76)	= 5 × (43 - 2) - 1
:= 98 - 76 + 5!	= (4 × 3) <sup>2</sup> - 1 - 0!.	:= √9 × (-8 + 76)	= (5 × 4 - 3) × (2 + 10).
143 := -1 + 2 × 3 × 4!	= 56 + 78 + 9	208 := 1 + 23 × (4 + 5)	= (-6 + 7!/8)/√9
:= -9 + 87 + 65	= (4 × 3) <sup>2</sup> - 1.	:= (√9)! - 8 + 7 × 6 × 5	= 4 - 3! + 210.
156 := 12 + 3! × 4!	= 5! + 6 × (7 + 8 - 9)	210 := (1 + 2 × 3)!/4!	= 5 × 6 × 7 × (-8 + 9)
:= -(√9)!! + 876	= 5! + 4 + 32 × 1	:= 9 + 87 - 6 + 5!	= (4 + 3!) × 21
:= 98 - 7 + 65	= 4! × 3! + 2 + 10.	:= (9 - 8 + 7) × 6 + 54 × 3	= 210.
161 := -1 + 2 × 3 <sup>4</sup>	= 5 + 67 + 89	214 := -1 × 2 + 3! <sup>√(4+5)</sup>	= (6! - 78)/√9
:= 9 + 87 + 65	= (4! + 3) × (2 + 1)! - 0!.	:= (-√9)! + 8) × (-7 - 6 + 5!)	= -√4 + 3! <sup>2+1</sup>
162 := 1 × 2 × 3 <sup>4</sup>	= (-5 + 67 - 8) × √9	:= (-√9)! + 8) × (-7 - 6 + 5!)	= 4!/3! + 210.
:= -(√9)! × 8 + 7 × 6 × 5	= (4! + 3) × (2 + 1)!.		
163 := 1 + 2 × 3 <sup>4</sup>	= 5! + 6 × 7 - 8 + 9	215 := -1 + (2 + 3)! - 4! + 5!	= 6! + 7 - 8 <sup>√9</sup>
:= 98 + (7 + 6) × 5	= 43 + ((2 + 1)! - 0)!.	:= (9 - 8 + 7 × 6) × 5	= 4! × 3 <sup>2</sup> - 1
		:= (9 - 8 + 7 × 6) × 5	= √4 + 3 + 210.
168 := 12 - 3 × (4 - 56)	= 7 × 8 × √9	216 := (12 - 3) × 4!	= 5! × 6 - 7 × 8 × 9
:= √9 × 8 × 7	= (6 + 5 - 4) × (3 + 21)	:= (-√9 + 8)! + 76 + 5 × 4	= 3! <sup>2+1</sup>
:= √9 × 8 × 7!/6!	= 5! + 43 + (2 + 1)! - 0!.	:= -(√9)! + 8 + 7 × 6 × 5 + 4	= 3! + 210.
174 := (1 + 2)! × (34 - 5)	= 6 + 7 × 8 × √9	225 := √(12 + 3) <sup>4</sup>	= 5 × (6 + 7 - 8) × 9
:= √9 × (-8 × 7 - 6 + 5!) = (-4! + 3!)/(2 × (1 + 0!)).		:= -9 × ((8 - 7) - 6) × 5	= ((4! + 3!)/2) <sup>1+0!</sup> .

$$\begin{aligned}
233 &:= -1 + 234 &= 5 - 6 + 78 \times \sqrt{9} & & 282 &:= 12 + 3! \times 45 &= 6 \times (7 \times 8 - 9) \\
&:= \sqrt{9} \times 8 \times 7 + 65 &= (-4! + 3!)/(2 + 1) + 0!. & & &:= (-9 + 8 \times 7) \times 6 &= (5! + 4! - 3) \times 2 \times 1 \\
& & & & &:= -98 + 76 \times 5 &= 4! \times 3 + 210. \\
234 &:= -1 \times 2 + 3!!/4 + 56 &= 78 \times \sqrt{9} & & 287 &:= -1 + 2 \times 3! \times 4! &= (5 \times 6 + 7) \times 8 - 9 \\
&:= \sqrt{\sqrt{9^8} - 7!} &= 5! \times \sqrt{4} - 3 \times 2 \times 1 & & &:= (-9 + 8 \times 7) \times 6 + 5 &= 4! \times 3! \times 2 - 1. \\
&:= 9 \times (8 \times 7 - 6 \times 5) &= 4 \times 3! + 210. & & 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 \\
239 &:= -1 + (2 + 3)! \times \sqrt{4} &= 5! + 6 - 7 + (8 - \sqrt{9})! & & &:= (9 \times 8) \times (-7 + 6 + 5) &= 4! \times 3 \times (2 + 1 + 0!). \\
&:= (-\sqrt{9} + 8)! - 7 + 6 + 5! &= \sqrt{4} \times (3 + 2)! - 1 & & 294 &:= 1 + 2 \times 3! \times 4! + 5 &= 6 \times 7^{8-(\sqrt{9})!} \\
&:= 98 - 7 + 6!/5 + 4 &= 3!!/(2 + 1) - 0!. & & &:= (\sqrt{9})! \times (8! - 7!)/6! &= (5! + 4! + 3) \times 2 \times 1 \\
240 &:= (1 + 2)!!/3 &= 4 + (\sqrt{5^6} - 7) \times (8 - (\sqrt{9})!) & & &:= (\sqrt{9})! \times (8! - 7!)/6! &= (5 + \sqrt{4}) \times (32 + 10). \\
&:= -9 + (8! - 7!)/(6!/5) + 4 &= 3!!/(2 + 1) & & 300 &:= (12 + 3) \times 4 \times 5 &= 6 \times (7 \times 8 - (\sqrt{9})!) \\
&:= \sqrt{9} - 87 + 6 \times 54 &= (3! - 2!) \times 10. & & &:= (9 + 8 - 7) \times 6 \times 5 &= (-\sqrt{4} + 32) \times 10. \\
241 &:= 1 + (2 + 3)! \times \sqrt{4} &= 5 \times (-6 + 7 \times 8) - 9 & & 306 &:= (1 + 2)! \times (3! + 45) &= (6 \times 7 - 8) \times 9 \\
&:= (-\sqrt{9} + 8)! + 7 - 6 + 5! &= \sqrt{4} \times (3 + 2)! + 1 & & &:= 9 \times (-8 + 7 \times 6) &= (54 - 3) \times (2 + 1)! \\
&:= (9 - 8)^{76} + 5! \times \sqrt{4} &= 3!!/(2 + 1) + 0!. & & &:= (9 + 8) \times (7 + 6 + 5) &= \sqrt{4} - 3!! + 2^{10}. \\
242 &:= (1 + (2 + 3)!) \times \sqrt{4} &= (5 + 6! - 7 + 8)/\sqrt{9} & & 324 &:= 12 \times (3 + 4!) &= 5 \times 67 - 8 - \sqrt{9} \\
&:= (-\sqrt{9})! + 8 \times (7 - 6 + 5!) &= \sqrt{4} \times ((3 + 2)! + 1). & & &:= 9 \times (-8 - 76 + 5!) &= (4! - 3!)^2 \times 1 \\
& & & & &:= 9 \times (-8 - 76 + 5!) &= 4 + 32 \times 10. \\
245 &:= (1 + 2)!^3 + 4! + 5 &= 6 \times (-7 + 8 \times (\sqrt{9})!) & & 330 &:= (1 + 2) \times (-3! - 4 + 5!) &= 6 \times (7 + 8 \times (\sqrt{9})!) \\
&:= ((\sqrt{9})! \times 8 + 7 - 6) \times 5 &= 4 + 3!!/(2 + 1) + 0!. & & &:= -(\sqrt{9})! + 8 \times 7 \times 6 &= 5 + 4 + 321 \\
& & & & &:= -(\sqrt{9})! + 8 \times 7 \times 6 &= (5 - 4 + 32) \times 10. \\
246 &:= 123 \times \sqrt{4} &= 5 \times 67 - 89 & & 333 &:= -12 + 345 &= 6 \times 7 \times 8 - \sqrt{9} \\
&:= ((\sqrt{9})! \times 8 - 7) \times 6 &= (5 \times 4! + 3) \times 2 \times 1 & & &:= -\sqrt{9} + 8 \times 7 \times 6 &= (5 + 4) \times (3!^2 + 1) \\
&:= \sqrt{9} + \left( \sqrt{\sqrt{87 - 6}} \right)^5 &= 4^{3!-2} - 10. & & &:= -\sqrt{9} + 8 \times 7 \times 6 &= 543 - 210. \\
252 &:= -12 + 3! \times 4! + 5! &= (6 + 78) \times \sqrt{9} & & 339 &:= -(1 + 2)! + 345 &= 6 \times 7 \times 8 + \sqrt{9} \\
&:= 9 + \left( \sqrt{\sqrt{87 - 6}} \right)^5 &= 4 \times 3 \times 21. & & &:= \sqrt{9} + 8 \times 7 \times 6 &= (5! - 4 - 3) \times (2 + 1) \\
255 &:= -1 + (2 - 3!)^4 &= ((5 + 6) \times 7 + 8) \times \sqrt{9} & & &:= \sqrt{9} + 8 \times 7 \times 6 &= 5 + (4! - 3!)^2 + 10. \\
&:= (\sqrt{9} \times (8 + 7) + 6) \times 5 &= 4^{3!-2} - 1 & & 342 &:= -1 - 2 + 345 &= 6 + 7 \times 8 \times (\sqrt{9})! \\
&:= (\sqrt{9} \times (8 + 7) + 6) \times 5 &= 4^{3+2-1} - 0!. & & &:= (\sqrt{9})! \times 8 \times 7 + 6 &= 5 - 4! + 3!!/2 + 1 \\
256 &:= (12/3)^4 &= 5 \times (-6 + 7 \times 8) + (\sqrt{9})! & & &:= (\sqrt{9})! + 8! \times (7 - 6)/5! &= (4 + 3)^{2+1} - 0!. \\
&:= ((\sqrt{9})! - 8)^{7+6-5} &= 4^{3+2-1} & & 343 &:= -1 \times 2 + 345 &= (6 - 7 + 8)^{\sqrt{9}} \\
&:= ((\sqrt{9})! - 8)^{7+6-5} &= 4 \times (3 \times 21 + 0!). & & &:= \sqrt{9} + (-8 + 76) \times 5 &= (4 + 3)^{2+1}. \\
257 &:= 1 + (-2 + 3!)^4 &= 5 + 6! - 78 \times (\sqrt{9})! & & 348 &:= -12 + 3!!/\sqrt{4} &= (-5!/6 + 78) \times (\sqrt{9})! \\
&:= -\sqrt{9} + 8 + 7! \times 6/5! &= 4^{3!-2} + 1 & & &:= \sqrt{9} \times (8 \times 7 + \sqrt{6! \times 5}) &= (-4! + 3!!)/2 \times 1 \\
&:= -\sqrt{9} + 8 + 7! \times 6/5! &= 4^{3+2-1} + 0!. & & &:= \sqrt{9} \times (8 \times 7 + \sqrt{6! \times 5}) &= (-4 + 3!!)/2 - 10.
\end{aligned}$$

$$\begin{aligned}
 354 & := (-12 + 3!)/\sqrt{4} & = (-5 + 6! - 7)/(8 - (\sqrt{9})!) & 479 & := -1 + (2 + 3)! \times 4 & = 5 + 6 + 78 \times (\sqrt{9})! \\
 & := (\sqrt{9} + 8 \times 7) \times 6 & = (-\sqrt{5! + 4!} + 3!)/2 \times 1. & & := (9 \times 8 + 7) \times 6 + 5 & = 4 \times (3 + 2)! - 1. \\
 357 & := -1 - 2 + 3!/\sqrt{4} & = 5 \times (-6 + 78) - \sqrt{9} & 486 & := (1 + 2)! \times 3^4 & = (-5 + 67 - 8) \times 9 \\
 & := -98 + 7 \times 65 & = (-4 + 3!)/2 - 1. & & := (\sqrt{9})! \times (87 - 6) & = 54 \times 3^2 \times 1 \\
 & & & & := (\sqrt{9})! \times (87 - 6) & = 54 \times (-3 + 2 + 10). \\
 359 & := 1 - 2 + 3!/\sqrt{4} & = 5 \times 67 + 8 \times \sqrt{9} & 504 & := 12 \times (3 \times 4 - 5) \times 6 & = 7 \times 8 \times 9 \\
 & := -98 + 7 \times 65 + \sqrt{4} & = 3!/2 - 1 & & := 9 \times 8 \times 7 & = 6 + 5! \times 4 - 3 + 21 \\
 & := (\sqrt{9})! \times 8 \times 7 - 6 + 5 + 4! & = 3!/2 \times 1 - 0!. & & := 9 \times 8 \times 7 & = 65 + (4! - 3)^2 - 1 - 0!. \\
 360 & := 1 \times 2^3 \times 45 & = (6 + 7 - 8)! \times \sqrt{9} & 512 & := (-12 + 3!)/4 + 5 \times 67 = 8^{\sqrt{9}} & \\
 & := -\sqrt{9} \times 8 + 76 \times 5 + 4 & = 3!/2 \times 1 & & := (-\sqrt{9})! + 8)^{\sqrt{76+5}} & = \sqrt{4^{(3^2)}} \times 1 \\
 & := (9 \times (8 - 7) - 6) \times 5! & = (4 + 32) \times 10. & & := (-\sqrt{9})! + 8)^{\sqrt{76+5}} & = 4^3 \times (-2 + 10). \\
 363 & := 1 + 2 + 3!/\sqrt{4} & = 5 \times (-6 + 78) + \sqrt{9} & 513 & := 1 + 2^{\sqrt{3^4}} & = (56 - 7 + 8) \times 9 \\
 & := -9 - 8 + 76 \times 5 & = 4 + 3!/2 - 1. & & := -9 + 87 \times 6 & = 5! \times 4 + 32 + 1 \\
 366 & := (12 + 3!)/\sqrt{4} & = 5 \times (67 + 8) - 9 & & := -9 + 87 \times 6 & = 5 + 4 \times (3! \times 21 + 0!). \\
 & := -(\sqrt{9})! - 8 + 76 \times 5 & = 4 + 3!/2 + 1 + 0!. & 534 & := 1 \times 23^{\sqrt{4}} + 5 & = (-6! + 7!)/8 - (\sqrt{9})! \\
 & & & & := 9 \times 8 \times 7 + 6 \times 5 & = 4! + 3! - 210. \\
 384 & := 12 \times (3 + 4! + 5) & = 6! - 7 \times 8 \times (\sqrt{9})! & 551 & := -1 + 23 \times 4! & = 5 + (-6! + 7!)/8 + (\sqrt{9})! \\
 & := (\sqrt{9})! \times 8 \times (7 + 6 - 5) & = 4^3 \times (2 + 1)! & & := (98 - 7) \times 6 + 5 & = 4! \times ((3! - 2)! - 1) - 0!. \\
 & := -(\sqrt{9})! \times 8 \times 7 + 6! & = (5 + 43) \times (-2 + 10). & 552 & := 12 \times 3! + 4 \times 5! & = 6! - 7 \times 8 \times \sqrt{9} \\
 & & & & := -\sqrt{9} \times 8 \times 7 + 6! & = 5! + 432 \times 1. \\
 408 & := 12 \times 34 & = (5 + 6 - 7)! \times (8 + 9) & 577 & := 1 + (-2 + 3!)! \times 4! & = \sqrt{(-5 + 6 + 7)!} \times 8 + 9 \\
 & := (\sqrt{9})! \times (-8 + 76) & = (5! - 4! + 3!)/2 \times 1 & & := 9 + 8 \times (76 - 5) & = (4 \times 3!)^2 + 1 \\
 & := (\sqrt{9})! \times (-8 + 76) & = (54 - 3) \times (-2 + 10). & & := 9 + 8 \times (76 - 5) & = 4! \times (3 + 21) + 0!. \\
 414 & := -1 + (2 + 3^4) \times 5 & = 6 \times (78 - 9) & 585 & := (1 + 2 \times 3!) \times 45 & = 6! - (7 + 8) \times 9 \\
 & := 9 + (87 - 6) \times 5 & = \sqrt{4} \times (-3 + 210). & & := -9 \times (8 + 7) + 6! & = 5 \times (-4 + (3 + 2)! + 1) \\
 & & & & := -9 \times (8 + 7) + 6! & = 5 + 4 + (3! - 2)!^{1+0!}. \\
 432 & := 12^3/4 & = (5 - 6 + 7) \times 8 \times 9 & 600 & := 12 \times (3! + 4) \times 5 & = 6! - ((7 + 8)/\sqrt{9})! \\
 & := 9 \times 8!/7! \times 6 & = 54 \times (3^2 - 1). & & := (\sqrt{9})!! \times (8 - 7)/6 \times 5 & = 4! \times ((3! - 2)! + 1) \\
 & & & & := (98 - 7) \times 6 + 54 & = 3! - ((2 + 1)! - 0!)!. \\
 459 & := -1 + 23 \times 4 \times 5 & = 6 \times 78 - 9 & 623 & := -(1 + 2) \times 34 + 5 + 6! = 7 \times 89 & \\
 & := -\sqrt{9} \times 87 + 6! & = 5! \times 4!/3! - 2!. & & := -(\sqrt{9})!!/8 - 7 + 6! & = 5^4 - 3 + 2 - 1 \\
 & & & & := -(\sqrt{9})!!/8 - 7 + 6! & = -5 - \sqrt{4} + 3 \times 210. \\
 462 & := (1 + 2) \times (34 + 5!) & = 6 \times 78 - (\sqrt{9})! & 624 & := -1 + (2 + 3)^4 & = 5! \times 6 - 7 - 89 \\
 & := (\sqrt{9} + 8) \times 7 \times 6 & = 5! \times 4 + 3 - 21 & & := -9 - 87 + 6! & = 5^4 \times (3 - 2) - 1 \\
 & := \sqrt{9} \times (-8 + 7 \times 6 + 5!) & = (4! - 3) \times (21 + 0!). & & := -9 - 87 + 6! & = 5^4 + 3^2 - 10. \\
 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!). & & & \\
 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. & & & \\
 \end{aligned}$$

629	$:= -1 + (2 + 3)^4 + 5$	$= 6 + 7 \times 89$	712	$:= -12 + 3!! + 4$	$= 56/7 \times 89$
	$:= -98 + 7 + 6!$	$= 5^4 + 3 + 2 - 1$		$:= (\sqrt{9})!! - 8!/7!$	$= 6! + 5 - 4 - 3^2 \times 1$
	$:= -98 + 7 + 6!$	$= 5 + 4! \times (3!^2 - 10).$		$:= (\sqrt{9})! + 87 - 6 + 5^4$	$= 3!! + 2 - 10.$
630	$:= 1 \times (2 + 3)^4 + 5$	$= 6! - (7 + 8) \times (\sqrt{9})!$	717	$:= -1 - 2 + 3!!$	$= \sqrt{4} \times 5! + 6 \times 78 + 9$
	$:= (\sqrt{9})!!/8 \times 7$	$= 654 - 3 - 21$		$:= -9 \times 8 + 765 + 4!$	$= 3!! - 2 - 1$
	$:= -9 - 8 - 7 + 654$	$= 3 \times 210.$		$:= -9 + 8 - 7 + 6! + 5$	$= 4 + 3!! - (2 + 1)! - 0!.$
636	$:= 12 + 3!! + 4! - 5!$	$= 6! - 78 - (\sqrt{9})!$	718	$:= -1 \times 2 + 3!!$	$= 45 + 6! - 7 \times 8 + 9$
	$:= \sqrt{9} - 87 + 6!$	$= 5^4 + 3! \times 2 - 1$		$:= 9 + 8 + 76 + 5^4$	$= 3!! - 2 \times 1$
	$:= \sqrt{9} - 87 + 6!$	$= 5! + 43 \times (2 + 10).$		$:= -(9 - 8) \times 7 + 6! + 5$	$= (\sqrt{4 + 32})! - 1 - 0!.$
639	$:= (\sqrt{9})! - 87 + 6!$	$= 5 \times 4 \times 32 - 1$	719	$:= 1 - 2 + 3!!$	$= 4! + 5 \times (67 + 8 \times 9)$
	$:= -1 + 2^{3+4} \times 5$	$= 6! \times 7/8 + 9$		$:= 9 + 8 + (7 + 6) \times 54$	$= (3 \times 2)! - 1$
	$:= (\sqrt{9})! - 87 + 6!$	$= 5 + 4 + 3 \times 210.$		$:= -9 - 8 \times 7 + 6 \times 5! + 4^3$	$= (2 + 1)!! - 0!.$
641	$:= 1 + 2^{3+4} \times 5$	$= 6! - 7 - 8 \times 9$	720	$:= (1 + 2)!!$	$= 3! + 45 + 678 - 9$
	$:= -9 \times 8 - 7 + 6!$	$= 5 \times 4 \times 32 + 1$		$:= 1 \times (2 \times 3)!$	$= 4 + 5 + 6! + (7 - 8) \times 9$
	$:= -9 \times 8 - 7 + 6!$	$= 5^4 + 3 \times 2 + 10.$		$:= (9 - 8)^7 \times 6!$	$= 5 \times 4 \times 3 \times (2 + 10).$
648	$:= 12 \times 3! \times (4 + 5)$	$= (-6 + 78) \times 9$	721	$:= 1 + (2 \times 3)!$	$= 4! \times 56 - 7 \times 89$
	$:= -9 \times 8!/7! + 6!$	$= 5^4 + 3 + 2 \times 10.$		$:= -9 + 8 - 7 + 6! + 5 + 4$	$= (3 \times 2)! + 1$
				$:= -9 + 87 + 6! - 5! + 43$	$= (2 + 1)!! + 0!.$
649	$:= 1 \times 23^{\sqrt{4}} + 5!$	$= 6! - \sqrt{7! - 8 + 9}$	722	$:= 1 \times 2 + 3!!$	$= 4 + 5 + 6! + 7 \times (8 - 9)$
	$:= -\sqrt{9 - 8 + 7!} + 6!$	$= 4! \times 3^{2+1} + 0!.$		$:= 9 \times 87 - 65 + 4$	$= 3!! + 2 \times 1$
				$:= \sqrt{9} - 8 + 7 + 6!$	$= 5 \times \sqrt{4} + 3!! + 2 - 10.$
667	$:= 1 \times 23 \times (4! + 5)$	$= 6! - 7 \times 8 + \sqrt{9}$	723	$:= -1 + (2 \times 3)! + 4$	$= 5 + 6! - 7 + 8 - \sqrt{9}$
	$:= \sqrt{9} - 8 \times 7 + 6!$	$= 5^4 + 32 + 10.$		$:= -\sqrt{9} \times 8 + 7 + 6! + 5 \times 4$	$= 3!! + 2 + 1.$
672	$:= 1 \times 23 \times 4! + 5!$	$= 678 - (\sqrt{9})!$	724	$:= (\sqrt{12 \times 3})! + 4$	$= 5 + 6! - (-7 + 8)^9$
	$:= (\sqrt{9})!! - 8!/7! \times 6$	$= (5 + 4! + 3) \times 21$		$:= \sqrt{9} + 8 - 7 + 6!$	$= 5 - \sqrt{4} + (3 \times 2)! + 1.$
	$:= (\sqrt{9})! \times (8 \times (-7 + 6) + 5!)$	$= 4! \times (3^{2+1} + 0!).$			
684	$:= 12 \times 3 \times (4! - 5)$	$= 678 + (\sqrt{9})!$	726	$:= 1 \times 2 + 3!! + 4$	$= 5! \times 6 + 7 + 8 - 9$
	$:= \sqrt{\sqrt{\sqrt{9^8}} \times 76}$	$= (-5 + 4!) \times 3!^2 \times 1.$		$:= -9 + 8 + 7 + 6!$	$= (5! + 4 - 3) \times (2 + 1)!.$
702	$:= (12 - 3!) \times (-4 + 5!) + 6$	$= 78 \times 9$	727	$:= (9 - 8) \times (7 + 6!)$	$= (5 + 4)^3 - 2 \times 1$
	$:= (\sqrt{9})! \times (87 + 6 \times 5)$	$= \sqrt{4} + 3!! - 21 + 0!.$		$:= (9 - 8) \times 7 + 6 \times 5!$	$= (4! + 3)^2 - 1 - 0!$
				$:= 1 + 2 + 3!! + 4$	$= 5! + 6! + 7 - (8 - \sqrt{9})!.$
708	$:= -12 + 3!! + 4 \times 5$	$= 6! + 7 - 8 + 9$	729	$:= (1 + 2)^{3!}$	$= 4 - 5 + 6! - 7 + 8 + 9$
	$:= (9 + 876)/5 \times 4$	$= 3!! - 2 - 10.$		$:= 9 \times (87 - 6)$	$= 5 + 4 + (3 \times 2)! \times 1$
				$:= 9 \times (87 - 6)$	$= 5 + 4 + (3 \times 2)! - 1 + 0!.$
710	$:= -12 + 3!! + \sqrt{4}$	$= 5! \times 6 + 7 - 8 - 9$	730	$:= (1 + 2)^{3!} - 4 + 5$	$= 6! - 7 + 8 + 9$
	$:= -9 - 8 + 7 + 6!$	$= 5 \times (4! \times 3! - 2) \times 1$		$:= 9 + 8 - 7 + 6 \times 5!$	$= 4 + 3!! + (2 + 1)!$
	$:= 98 \times 7 \times (6 - 5) + 4!$	$= (3 \times 2)! - 10.$		$:= -9 + 8 + 7 + 6 \times 5! + 4$	$= (3 \times 2)! + 10.$



732 := 12 + 3!!	= 4! + 5 + 6! + 7 - 8 × √9	756 := 12 + 3!! + 4!	= (5! + 6) × (7 + 8 - 9)
:= 9 × (-8 + 76) + 5!	= 4 × 3 + (2 + 1)!!	:= 9 × (8 + 76)	= (5 - √4)! × 3! × 21
:= -9 + 87 + 654	= 3!! + 2 + 10.	:= 9 × (8 + 76)	= 54 × (3! - 2 + 10).
733 := (1 + 2) <sup>3!</sup> + 4	= 5 + 6! + 7 - 8 + 9	761 := 12 + 3!! + 4! + 5	= 6! - 7 + 8 × (√9)!
:= 9 - 8 + 7 + 6! + 5	= 4 + 3 <sup>(2+1)!</sup> .	:= (√9)! × 8 - 7 + 6!	= 5 × 4 + 3!! + 21
		:= (√9)! × 8 - 7 + 6!	= 5 + 4! + 3!! + 2 + 10.
734 := 12 + 3!! + √4	= (5 + 6!) × (-7 + 8) + 9	762 := (1 + 2)!! - 3 + 45	= 6 × (7 + (8 - √9)!)!
:= 9 × (87 - 6) + 5	= 4 + (3 × 2)! + 10.	:= 9 - 87 + 6! + 5!	= 43 + (2 + 1)!! - 0!.
735 := (12 - 3) <sup>√4+5</sup> + 6	= 7 + 8 + (√9)!!	765 := (-1 + 2) × 3!! + 45	= 6! + (7 + 8) × √9
:= (√9)!! + 8 + 7	= 6 + 5 - 4 + 3!! - 2 + 10.	:= (9 - 8) × 765	= 4! + 3!! + 21
		:= √9 × (8 + 7) + 6!	= 5 <sup>√4</sup> + 3!! + 21 - 0!.
738 := (1 + 2)!! - 3! + 4!	= 5! × 6 + 7 + 8 + √9	767 := 1 × 2 + 3!! + 45	= 6! + 7 × 8 - 9
:= √9 + 8 + 7 + 6!	= 5 × 4 + 3!! - 2 × 1	:= -(√9)! + 8 + 765	= 4! × 32 - 1
:= √9 + 8 + 7 + 6!	= 5 × √4 + 3!! - 2 + 10.	:= -9 + 8 × 7 + 6!	= 5 <sup>√4</sup> + 3!! + 21 + 0!.
741 := -1 + 2 + 3!! + 4 × 5	= 6 + 7 + 8 + (√9)!!	769 := 1 - 2 <sup>3</sup> × (4! - 5!)	= 6! + 7 <sup>8-(√9)!</sup>
:= (9 - 8) <sup>7</sup> + 6! + 5 × 4	= 3!! + 21	:= (√9)!! + (8! - 7!)/(6 × 5!)	= 4! × 32 + 1
:= (√9)! + 8 + 7 + 6!	= 5 - 4 + 3!! + 21 - 0!.	:= (√9)!! + (8! - 7!)/6!	= 5 <sup>4</sup> + (3! × 2) <sup>1+0!</sup> .
742 := -1 × 2 + 3!! + 4!	= 5 + 67 × (8 + √9)	770 := (1 + 2)!! + (3! + 4) × 5	= 6! + 7 × 8 - (√9)!
:= -98 + 7!/6	= 5 <sup>√4</sup> + 3!! - 2 - 1	:= -√9 + 8 + 765	= 4! × 32 + 1 + 0!.
:= -98 + 7!/6	= 54 + 3!! - √2 <sup>10</sup> .		
743 := -1 + (2 × 3)! + 4!	= 5 + 6! + 7 + 8 + √9	792 := (1 + 2)!! + 3!!/(√4 × 5)	= ((6! + 78) - (√9)!)!
:= √9 + 8 + 7 + 6! + 5	= 4! + (3 × 2)! - 1.	:= 9 × (87 + 6 - 5)	= 4! × (32 + 1)
		:= -(√9)! × 8 + 7!/6	= 5! + (4! - 3) × √2 <sup>10</sup> .
744 := (√12 × 3)! + 4!	= 5! + 6! - 7 - 89	798 := 123 - 45 + 6!	= 78 + (√9)!!
:= 9 + 8 + 7 + 6!	= 5 <sup>4</sup> + (3 + 2)! - 1.	:= -9 + 87 + 6!	= (-5 + 43) × 21
		:= -9 + 87 + 6!	= 5 + 4! × (32 + 1) + 0!.
750 := (1 + 2)! + 3!! + 4!	= (5! + 6 + 7 - 8) × (√9)!	804 := 12 × (3 × 4! - 5)	= 6 + 78 + (√9)!!
:= -(√9)!!/8 + 7!/6	= 5 + 4 + 3!! + 21.	:= (√9)!! + 8 + 76	= 5! - 4 + 3!! - √2 <sup>10</sup> .
753 := (1 + 2) <sup>3!</sup> + 4!	= 5! - 6 + 7!/8 + 9	816 := 1 × (2 × 3)! - 4! + 5!	= 6! + 7 + 89
:= 9 × 87 - 6 × 5	= 4! + 3 <sup>(2+1)!</sup> .	:= 9 + 87 + 6!	= 5! - 4! + (3 × 2)! × 1
		:= 98 - 7 + 6! + 5	= 4 × (-3! + 210).
754 := 1 × 2 + 3!! + (√4) <sup>5</sup>	= 6 × 7 - 8 + (√9)!!	818 := 1 × 2 + 3!! - 4! + 5!	= 6! + 7 × (8 + (√9)!)!
:= (√9)!! - 8 + 7 × 6	= √5 <sup>4</sup> + 3 <sup>(2+1)!</sup>	:= ((√9)! + 8) × 7 + 6!	= 5! - 4! + 3!! + 2 × 1
:= -√9 - 8 + 765	= 4! + (3 × 2)! + 10.	:= ((√9)! + 8) × 7 + 6!	= (5!/4!) + 3!! - 21 - 0!.
755 := 1 + 2 + 3!! + (√4) <sup>5</sup>	= 6! + 7 × (8 - √9)	824 := -12 + 3!! - 4 + 5!	= (6 + 7) × 8 + (√9)!!
:= -(√9 - 8) × 7 + 6!	= (5 + 4!) + 3! + (2 + 1)!!	:= (√9)!! + 8 × (7 + 6)	= 5! + 4 + 3!! - 21 + 0!.
:= -(√9 - 8) × 7 + 6!	= (5!/4 + 3!) × 21 - 0!.		

$$\begin{aligned}
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). \\
839 &:= -1 + (2 \times 3)! + 4! \times 5 = 6! + 7 \times (8 + 9) \\
&:= (9 + 8) \times 7 + 6! = 5! \times (4 + 3) - 2 + 1 \\
&:= (-\sqrt{9} + 8)! \times 7 - 6 + 5 = 4! \times (3!^2 - 1) - 0!. \\
840 &:= 123 - \sqrt{4 + 5} + 6! = 7 \times (8 - \sqrt{9})! \\
&:= (9 - 8) \times 7! / 6 = 5 \times 4! / 3 \times 21 \\
&:= 98 / 7 \times (6 + 54) = 3!! + ((2 + 1)! - 0!)!. \\
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. \\
864 &:= 1 \times 2 \times 3 \times (4! + 5!) = (-6! + 7!) / (8 - \sqrt{9}) \\
&:= \sqrt{9} \times 8 + 7! / 6 = 5! + 4! \times (32 - 1) \\
&:= \sqrt{9} \times 8 + 7! / 6 = 5! + 4 + 3!! + 21 - 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). \\
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. \\
960 &:= (1 + 2)!! / 3 \times 4 = 5! \times (6 + 7 - (8 - \sqrt{9})) \\
&:= (98 / 7 - 6) \times 5! = 4 \times 3!! / (2 + 1). \\
1014 &:= (1 + 2)! + (3 + 4)! / 5 = 6 + 7! / (8 - \sqrt{9}) \\
&:= ((\sqrt{9}) \times 8 + 7! + 6) / 5 = 4^{3+2} - 10. \\
1023 &:= -1 + 2^{3!+4} = (5 + 6 \times 7 \times 8) \times \sqrt{9} \\
&:= \sqrt{9} \times (8 \times 7 \times 6 + 5) = 4^{3+2} - 1. \\
1024 &:= 1 \times 2^{3!+4} = \sqrt{5 + 6 - 7} \times 8^{\sqrt{9}} \\
&:= (-9 \times 8 + 76)^5 = 4^{3 \times 2 - 1} \\
&:= 98 + 7 \times 6 \times 5 - 4 + 3!! = 2^{10}. \\
1056 &:= (1 - 2 \times 3!) \times (4! - 5!) = 6! + 7 \times 8 \times (\sqrt{9})! \\
&:= (\sqrt{9})!! + 8 \times 7 \times 6 = (5! - 4!) \times (3! \times 2 - 1). \\
1080 &:= (1 + 23) \times 45 = (6 + 7 - 8)! \times 9 \\
&:= 9 \times (-8 + 7 + 6)! = 5! \times (4 + 3 + 2) \times 1 \\
&:= 9 \times (-8 + 7 + 6)! = 5 \times 432 / (1 + 0!). \\
1152 &:= 1 \times 2 \times 3!! \times 4 / 5 = (6! + 7!) / (8 - \sqrt{9}) \\
&:= 9 \times (8 \times (7 - 6) + 5!) = 4!^3 / (2 + 10). \\
1200 &:= (-1 \times 2 + 3 \times 4) \times 5! = 6! \times (7 + 8) / 9 \\
&:= (9 + 8 - 7) \times 6 \times 5 \times 4 = (3 + 2)! \times 10. \\
1224 &:= 12 \times (3! - 4! + 5!) = 6! + 7 \times 8 \times 9 \\
&:= 9 \times 8 \times 7 + 6! = (5! - 4! + 3!) \times (2 + 10). \\
1260 &:= 12 \times (-3 + 4!) \times 5 = 6 \times 7! / (8 \times \sqrt{9}) \\
&:= (9 - 8) \times 7 \times 6 \times 5! / 4 = 3! \times 210. \\
1296 &:= (12 - 3) \times (4! + 5!) = 6^{(-7+8+\sqrt{9})} \\
&:= -9 + 87 \times (6 + 5 + 4) = (3!^2)^{1+0!}. \\
1350 &:= (1 + 2) \times (-3! + 456) = 7! / 8 + (\sqrt{9})!! \\
&:= (\sqrt{9})!! / 8 \times 7 + 6! = 54 \times ((3! - 2)! + 1) \\
&:= (\sqrt{9})!! / 8 \times 7 + 6! = 5! + \sqrt{4} \times 3!! - 210. \\
1398 &:= 1 + 2 \times (3!! - 4!) + 5 = 678 + (\sqrt{9})!! \\
&:= \sqrt{9 + 8! + 7!} \times 6 + 5! = \sqrt{4} \times (3!! - 21). \\
1425 &:= -1 + 2 \times (3!! - \sqrt{4} - 5) = 6! - 7 - 8 + (\sqrt{9})!! \\
&:= (\sqrt{9})!! - 8 - 7 + 6! = (-5 - \sqrt{4} + 3!!) \times 2 - 1 \\
&:= (\sqrt{9})!! - 8 - 7 + 6! = 5 + (4! \times 3! - 2) \times 10. \\
1431 &:= -1 + 2 \times (3!! - 4) = 5 + (6! - 7) \times (8 - \sqrt{9}!) \\
&:= -(\sqrt{9})! + 8 \times (-7 + 6!) + 5 = (-4 + 3!!) \times 2 - 1. \\
1432 &:= 1 \times 2 \times (3!! - 4) = (5 - 6 + 7)! - 8 + (\sqrt{9})!! \\
&:= (\sqrt{9})!! - 8! / 7! + 6 \times 5! = (-4 + 3!!) \times 2 \times 1 \\
&:= (\sqrt{9})!! - 8! / 7! + 6 \times 5! = \sqrt{4} \times 3!! + 2 - 10. \\
1439 &:= -1 + 2 \times 3!! = 4 - 5 + 6! + (7 + 8 - 9)! \\
&:= -9 + 8 + 7! - 6! \times 5 = 4 \times 3!! / 2 - 1 \\
&:= (\sqrt{9})!! - 8 + 7 + 6! = 5 + 4 + 3!! \times 2 - 10. \\
1440 &:= 1 \times 2 \times 3!! = 4 - 5 + 6! - 7 + 8 + (\sqrt{9})!! \\
&:= (9 + 8 - 7) \times 6! / 5 = (\sqrt{4} \times 3!) \times 2 \times 1 \\
&:= (9 + 8 - 7) \times 6! / 5 = (4 \times 3)^2 \times 10. \\
1441 &:= 1 + 2 \times 3!! = 4! - 5 + 6! + 78 \times 9 \\
&:= (\sqrt{9})!! + 8 - 7 + 6! = 5 - 4 + 3!! \times 2 \times 1.
\end{aligned}$$

1444 := $1 \times 2 \times 3!! + 4$	$= 5 + 6! + 7 - 8 + (\sqrt{9})!!$	2148 := $(1 + 2) \times (3!! - 4)$	$= (-5 + 6! - 7 + 8) \times \sqrt{9}$
:= $(-\sqrt{9})! + 8) \times (7 + 6! - 5)$	$= 4 + 3!! \times 2 \times 1$	:= $\sqrt{9} \times (8 - 7 + 6! - 5)$	$= (-4 + 3!!) \times (2 + 1).$
:= $(9 - 8 + 7 + 6 \times 5)^{\sqrt{4}}$	$= (3!! + 2) \times (1 + 0!).$	2154 := $(1 + 2) \times (3!! - \sqrt{4})$	$= 5! + 678 \times \sqrt{9}$
1446 := $(1 + 2 + 3!!) \times \sqrt{4}$	$= 5 + 6! - 7 + 8 + (\sqrt{9})!!$	:= $(-\sqrt{9})! + (8 + 7) \times 6!/5$	$= (-\sqrt{4} + 3!!) \times (2 + 1).$
:= $(\sqrt{9})!! + 8 - 7 + 6! + 5$	$= 4 + 3!! \times 2 + 1 + 0!.$	2157 := $(1 + 2) \times (3!! + 4 - 5)$	$= (6! + 7 - 8) \times \sqrt{9}$
1448 := $1 \times 2 \times (3!! + 4)$	$= (5 - 6 + 7)! + 8 + (\sqrt{9})!!$	:= $\sqrt{9} \times (-8 + 7 + 6!)$	$= 5! \times 4! - 3!! - 2 - 1$
:= $(\sqrt{9})!! + 8!/7! + 6!$	$= 5 + 4 + 3!! \times 2 - 1$	:= $-\sqrt{9} \times 8 + (7 + 6!) \times (5 - \sqrt{4})$	$= 3 \times ((2 + 1)!! - 0!).$
:= $(\sqrt{9})!! + 8 \times 76 + 5!$	$= (4 + 3!!) \times (2 + 1 - 0!).$	2160 := $(1 + 2)!! \times 3$	$= 45 \times 6 \times (7 - 8 + 9)$
1454 := $1 + 2 \times (3!! + 4) + 5$	$= (6! + 7) \times (8 - (\sqrt{9})!)$	:= $(98 - 7 - 6 + 5) \times 4!$	$= 3!! \times (2 + 1)$
:= $(-\sqrt{9})! + 8) \times (7 + 6!)$	$= (5 + \sqrt{4} + 3!!) \times 2 \times 1$	:= $\sqrt{9} \times (8 - 7) \times 6 \times 5!$	$= 4! \times 3^2 \times 10.$
:= $(-\sqrt{9})! + 8) \times (7 + 6 \times 5!)$	$= 4 + 3!! \times 2 + 10.$	2162 := $(1 + 2)!! \times 3 + \sqrt{4}$	$= 5 + (6! + 7 - 8) \times \sqrt{9}$
1463 := $-1 + 2 \times 3!! + 4!$	$= 5! + 6! + 7 \times 89$	:= $\sqrt{9} \times (-8 + 7 + 6!) + 5$	$= \sqrt{4} + 3 \times (2 + 1)!!.$
:= $(\sqrt{9} + 8) \times (7 + 6 + 5!)$	$= 4! + 3!! \times 2 - 1.$	2163 := $1 + 2 + 3 \times (\sqrt{4 + 5})!!$	$= (6! - 7 + 8) \times \sqrt{9}$
1488 := $1 \times 2 \times (3!! + 4!)$	$= (-5 + 67) \times 8 \times \sqrt{9}$	:= $-\sqrt{9} \times (-8 + 7 - 6!)$	$= 5 - \sqrt{4} + 3!! \times (2 + 1)$
:= $-9 \times 8 + (7 + 6) \times 5!$	$= (4! + 3!!) \times 2 \times 1$	:= $\sqrt{9} \times (8 - 7 + 6!) \times (5 - 4)$	$= 3 \times ((2 + 1)!! + 0!).$
:= $-9 \times 8 + (7 + 6) \times 5!$	$= (4! + (3 \times 2)!) \times (1 + 0!).$	2172 := $(1 + 2) \times (3!! + 4)$	$= (5 + 6! + 7 - 8) \times \sqrt{9}$
1512 := $(-1 + 2^3!) \times 4!$	$= 567 \times 8/\sqrt{9}$	:= $\sqrt{9} \times (-8 + 7 + 6!) + 5$	$= (4 + 3!!) \times (2 + 1).$
:= $(-\sqrt{9})! \times 8 + (7 + 6) \times 5!$	$= 4! \times 3 \times 21.$	2232 := $(1 + 2) \times (3!! + 4!)$	$= (5! - 6 + 7!/8) \times \sqrt{9}$
1560 := $(12 - 3 + 4) \times 5!$	$= (6 + 7) \times (8 - \sqrt{9})!$	:= $(\sqrt{9})! \times (-8 + 76 \times 5)$	$= (4! + 3!!) \times (2 + 1).$
:= $(-\sqrt{9} + 8)! \times (7 + 6)$	$= 5 \times 4! \times (3! \times 2 + 1)$	2520 := $(1 - 2) \times (3 - 4!) \times 5!$	$= 6! \times 7/(8 - (\sqrt{9})!)$
:= $(9 + 8 + 7) \times 65$	$= \sqrt{4} \times 3!! + ((2 + 1)! - 0!)!$	:= $(-\sqrt{9} + 87) \times 6 \times 5$	$= (4 + 3)!/2 \times 1$
1680 := $1 \times (2 + 3 \times 4) \times 5!$	$= (6 - 7 + 8)!/\sqrt{9}$	:= $(-\sqrt{9} + 87) \times 6 \times 5$	$= 4 \times 3 \times 210.$
:= $(-\sqrt{9})! + 8) \times 7!/6$	$= 5! \times (-4 - 3 + 21)$	2592 := $1 \times 2 \times 3!^4$	$= 5 \times 6! - 7!/(8 - \sqrt{9})$
:= $(-\sqrt{9} + 8)! \times (7 + 6) + 5!$	$= \sqrt{4^3} \times 210.$	:= $9 \times 8 \times (7! - 6!)/5!$	$= (4! \times 3)^2/(1 + 0!).$
1704 := $12^3 - 4!$	$= (5! - 6) \times (7 + 8) - (\sqrt{9})!$	2808 := $-12 \times 3! + 4! \times 5!$	$= 6 \times 78 \times (\sqrt{9})!$
:= $\sqrt{9} \times 8 \times (76 - 5)$	$= 4! \times \sqrt{(3! + 2 - 1)! + 0!}.$	:= $9 \times 8 - 7! + 6^5$	$= 4! \times (-3 + ((2 + 1)! - 0!)!).$
1728 := $12^{3 \times (-4 + 5)}$	$= 6! + 7!/(8 - \sqrt{9})$	2856 := $(-1 + (2 + 3)!) \times 4!$	$= (5! + 6 - 7) \times 8 \times \sqrt{9}$
:= $9 \times 8 \times (-7 + 6 + 5)!$	$= (4 \times 3)^{2+1}.$	:= $(9 + 8) \times 7!/(6 \times 5)$	$= 4! \times ((3 + 2)! - 1).$
1764 := $12 \times (3 + 4! + 5!)$	$= (6 \times 7)^{8 - (\sqrt{9})!}$	2879 := $-1 + (2 \times 3)! \times 4$	$= 5 \times 6! + 7 - 8 - (\sqrt{9})!!$
:= $98 \times (7 + 6 + 5)$	$= ((4! - 3) \times 2)^{1+0!}.$	:= $(-\sqrt{9})!! - 8 + 7 + 6! \times 5$	$= 4 \times (3 \times 2)! - 1.$
2088 := $(1 + 2) \times (3!! - 4!)$	$= (-5! + 6 \times 78) \times (\sqrt{9})!$	2880 := $(12 + 3 \times 4) \times 5!$	$= 6! \times (-7 + 8 + \sqrt{9}).$
:= $(\sqrt{9})!! \times 87/(6 \times 5)$	$= (-4! + 3!!) \times (2 + 1).$	:= $(\sqrt{9} + 8 - 7) \times 6!$	$= 5! \times 4! + 3 - 2 - 1$
		:= $(9 - 8 - 7 + 6 + 5) \times 4!$	$= 3!! \times 2 \times (1 + 0!).$

$$\begin{aligned}
2881 &:= 1 + (2 \times 3)! \times 4 &= 5 \times 6! - 7 + 8 - (\sqrt{9})!! \\
&:= -(\sqrt{9})!! + 8 - 7 + 6! \times 5 &= 4 \times (3 \times 2)! + 1. \\
4320 &:= 12 \times 3 \times 4! \times 5 &= 6 \times (7 + 8 - 9)! \\
&:= (-9 + 8 + 7) \times 6! &= 5! \times (4 + 32 \times 1) \\
&:= (-9 + 8 + 7) \times 6 \times 5! &= 432 \times 10. \\
2904 &:= (1 + (2 + 3)!) \times 4! &= (5! - 6 + 7) \times 8 \times \sqrt{9} \\
&:= \sqrt{9} \times 8 \times (7 - 6 + 5!) &= 4! \times ((3 + 2)! + 1) \\
&:= \sqrt{9} \times 8 \times (7 - 6 + 5!) &= 4 \times 3!! + (2 + 1 + 0)!. \\
4324 &:= (1 + 2)!! \times 3! + 4 &= 5 - 6! + 7! + 8 - 9 \\
&:= -9 + 8 + 7! - 6! + 5 &= 4 + 3!! \times (2 + 1)!. \\
3240 &:= 12 \times 3! \times 45 &= 6! + 7! / (8 - (\sqrt{9})!) \\
&:= \sqrt{9 \times (87 - 6)} \times 5! &= (4! - 3!)^2 \times 10. \\
4326 &:= (1 + 2)! \times (3!! - 4 + 5) &= (6! - 7 + 8) \times (\sqrt{9})! \\
&:= ((\sqrt{9})!! + 8 - 7) \times 6 &= 5 + 4321 \\
&:= 9 - 8 + 7! - 6! + 5 &= \sqrt{4} \times 3 \times ((2 + 1)!! + 0!). \\
3565 &:= (-1 - 2 + 3!! - 4) \times 5 &= (6! - 7) \times (8 - \sqrt{9}) \\
&:= (-\sqrt{9} + 8) \times (-7 + 6!) &= 5 \times (-4 + 3!! - 2 - 1). \\
4328 &:= 12 + 3!! - 4 + 5 \times 6! &= 7! + 8 - (\sqrt{9})!! \\
&:= -(\sqrt{9})!! + 8 + 7! &= 6 \times (\sqrt{5 + 4})!! + 3^2 - 1 \\
&:= -(\sqrt{9})!! + 8 + 7! &= 6! / 5! + 4321 + 0!. \\
3590 &:= (1 \times (2 \times 3)! - \sqrt{4}) \times 5 &= 6 + 7 \times 8^{\sqrt{9}} \\
&:= -9 - 8 + 7 + 6! \times 5 &= (-\sqrt{4} + 3!!) \times ((2 + 1)! - 0!). \\
4464 &:= (1 + 2)! \times (3!! + 4!) &= (-5 + 67) \times 8 \times 9 \\
&:= \sqrt{9} \times 8 + 7! - 6! + 5! &= (4! + 3!!) \times (2 + 1)!. \\
3635 &:= (1 + 2 + 3!! + 4) \times 5 &= (6! + 7) \times (8 - \sqrt{9}) \\
&:= (-\sqrt{9} + 8) \times (7 + 6!) &= 5 \times (4 + 3!! + 2 + 1). \\
4920 &:= (1^2 + 34) \times 5! + 6! &= 7! - (8 - \sqrt{9})! \\
&:= -(-\sqrt{9} + 8)! + 7! &= 6^5 - 4! \times ((3 + 2)! - 1) \\
&:= (-9 + 8 + 7 \times 6) \times 5! &= (4 + 3)! - ((2 + 1)! - 0)!. \\
4095 &:= -1 + (-2 + 3!) \times 4^5 &= 6! + (7 + 8)^{\sqrt{9}} \\
&:= \sqrt{\sqrt{\sqrt{9^8}} \times 7 \times 65} &= (4^3)^2 - 1. \\
4968 &:= -12 \times 3! + (\sqrt{4} + 5)! &= 6! \times 7 - 8 \times 9 \\
&:= -9 \times 8 + 7! &= (-6 + 5! + 4!) \times 3! \times (2 + 1)! \\
&:= -9 \times 8 + 7! \times (6 - 5) &= 4! \times (-3 + 210). \\
4230 &:= (1 + 2^{3!})^{\sqrt{4}} + 5 &= (6! - 7 - 8) \times (\sqrt{9})! \\
&:= ((\sqrt{9})!! - (8 + 7)) \times 6 &= -5! + 4! + 3! \times ((2 + 1)!! + 0!). \\
4992 &:= 1 \times 2 \times (3!! - 4!) + 5 \times 6! &= 7! - 8 \times (\sqrt{9})! \\
&:= -(\sqrt{9})! \times 8 + 7! &= 6! \times 5 + (-4! + 3!!) \times 2 \times 1 \\
&:= -(\sqrt{9})! \times 8 + 7! &= (-6 + 54 \times 3) \times \sqrt{2^{10}}. \\
4296 &:= (1 + 2)! \times (3!! - 4) &= (-5 \times 6! + 7! - 8) \times \sqrt{9} \\
&:= \sqrt{9} \times (-8 + 7! - 6! \times 5) &= (-4 + 3!!) \times (2 + 1)!. \\
4308 &:= (1 + 2)! \times (3!! - \sqrt{4}) &= 5 - 6! + 7! - 8 - 9 \\
&:= -9 - 8 + 7! - 6! + 5 &= (-\sqrt{4} + 3!!) \times (2 + 1)!. \\
4998 &:= ((1 + 2)!! - 3!) \times (\sqrt{4} + 5) &= 6 + 7! - 8 \times (\sqrt{9})! \\
&:= -(\sqrt{9})! \times 8 + 7! + 6 &= (5 + \sqrt{4}) \times (3!! - (2 + 1)!) \\
&:= -(\sqrt{9})! \times 8 + 7! + 6 &= (5 + \sqrt{4})! - 32 - 10. \\
4312 &:= -1 \times 2 + 3! \times (4 - 5 + 6!) &= 7! - 8 - (\sqrt{9})!! \\
&:= -(\sqrt{9})!! - 8 + 7! &= (6! - 5 + 4) \times 3! - 2 \times 1 \\
&:= -(\sqrt{9})!! - 8 + 7 \times 6! &= (5 + \sqrt{4})! - 3!! + 2 - 10. \\
5016 &:= (12 - 3!) \times (-4 + 5! + 6!) &= 7! - 8 \times \sqrt{9} \\
&:= -\sqrt{9} \times 8 + 7! &= 6 \times (5! - 4 + (3 \times 2)! \times 1) \\
&:= -\sqrt{9} \times 8 + 7! &= 6 \times (-5 + 43) \times (21 + 0)!. \\
4314 &:= (1 + 2)! \times (3!! + 4 - 5) &= 6 \times (7 - 8 + (\sqrt{9})!!) \\
&:= (\sqrt{9})! \times (-8 + 7 + 6!) &= (5 + \sqrt{4})! - 3! - (2 + 1)!! \\
&:= 98 \times (-76 + 5!) + \sqrt{4} &= 3! \times ((2 + 1)!! - 0!). \\
5022 &:= -12 - 3! + (\sqrt{4} + 5)! &= 6 + 7! - 8 \times \sqrt{9} \\
&:= -\sqrt{9} \times 8 + 7! + 6 &= (5 + \sqrt{4})! + 3 - 21. \\
4318 &:= -1 \times 2 + 3! \times (\sqrt{4 + 5})!! &= 6 + 7! - 8 - (\sqrt{9})!! \\
&:= -(\sqrt{9})!! - 8 + 7! + 6 &= (5 + \sqrt{4})! - 3!! - 2 \times 1 \\
&:= -(\sqrt{9})!! - 8 + 7! + 6 &= 5! \times (4 + 32) - 1 - 0!. \\
5023 &:= -1 \times 23 + (\sqrt{4} + 5)! + 6 &= 7! - 8 - 9 \\
&:= -9 - 8 + 7! &= 6 + (5 + \sqrt{4})! - (3! - 2)! + 1 \\
&:= -9 - 8 + 7 \times 6! &= 5 + (4 + 3)! - 21 - 0!.
\end{aligned}$$

$$\begin{aligned}
 5026 &:= -(\sqrt{9})! - 8 + 7! &= 6 \times 5! + 4^3 + 210 & 5044 &:= (1 + 2 \times 3)! + 4 &= 5 + 6! \times 7 + 8 - 9 \\
 &:= -(\sqrt{9})! - 8 + 7 \times 6! &= (5 + \sqrt{4}) \times (3!! - 2 \times 1) & &:= -9 + 8 + 7 \times 6! + 5 &= 4 + (3 \times 2 + 1)! \\
 &:= -1 \times 2 + (3!! - \sqrt{4} + 5!) \times 6 &= 7! - 8 - (\sqrt{9})!. & &:= -\sqrt{9} + 8 + 7! - 6 + 5 &= (4 + 3)! + 2 + 1 + 0!. \\
 \\
 5028 &:= -12 + (3 + 4)! &= 5 + 6! \times 7 - 8 - 9 & 5045 &:= 1^2 \times (3 + 4)! + 5 &= 6 + 7! + 8 - 9 \\
 &:= -9 - 8 + 7 \times 6! + 5 &= (4 + 3)! - 2 - 10. & &:= -9 + 8 + 7! + 6 &= 5 + (4 + 3) \times (2 + 1)!! \\
 & & & &:= -\sqrt{9} + 8 + 7! &= 6! + 5 + 432 \times 10. \\
 \\
 5029 &:= 1^2 + 3! \times (-\sqrt{4} + 5! + 6!) &= 7! - 8 - \sqrt{9} & 5046 &:= 1^2 + (3 + 4)! + 5 &= 6 - 7! \times (8 - 9) \\
 &:= -9 - 8 + 7! + 6 &= (5 + \sqrt{4})! - 3! \times 2 + 1 & &:= (9 - 8) \times 7! + 6 &= 5 + (4 + 3)! + 2 - 1 \\
 &:= -\sqrt{9} - 8 + 7! &= 6 - 5 + (4 + 3)! - 2 - 10. & &:= 9 - 8 + 7! + 6 - 5 + 4 &= 3! + ((2 + 1)! + 0)!. \\
 \\
 5034 &:= -(1 + 2)! + (3 + 4)! &= 5 + 6 + 7! - 8 - 9 & 5048 &:= 1 + 2 + (3 + 4)! + 5 &= 6 + 7! + 8 - (\sqrt{9})! \\
 &:= -9 - 8 + 7! + 6 + 5 &= (4 + 3)! - (2 + 1)!. & &:= -(\sqrt{9})! + 8 + 7! + 6!/5! &= (4 + 3)! - 2 + 10. \\
 \\
 5035 &:= 1^2 - 3! + (-4 + 5 + 6)! &= 7! - 8 + \sqrt{9} & 5049 &:= (1 + 2 \times 3)! + 4 + 5 &= (6 - 7 + 8)! + 9 \\
 &:= \sqrt{9} - 8 + 7! &= (6 + 5 - 4)! - 3 \times 2 + 1 & &:= 9 + (8 - 7 + 6)! &= 5 + 4 + (3 \times 2 + 1)! \\
 &:= \sqrt{9} - 8 + 7! &= 6! - 5 + 432 \times 10. & &:= \sqrt{\sqrt{\sqrt{9^8}} + 7!} &= 6 + 5 + (4 + 3)! - 2 - 1 + 0!. \\
 \\
 5037 &:= -1 - 2 + (3 + 4)! &= 5 + 6 + 7! - 8 - (\sqrt{9})! & 5051 &:= (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 + \sqrt{4})! + 3! - 2 + 1 \\
 &:= -\sqrt{9} + (8 - 7 + 6)! &= 5 + (4 + 3)! + 2 - 10. & &:= \sqrt{9} + 8 + 7! &= 6 + 5 + (4 + 3)! + 2 - 1 - 0!. \\
 \\
 5038 &:= -1 \times 2 + (3 + 4)! &= 5 - 6 + 7! + 8 - 9 & 5052 &:= 12 + (3 + 4)! &= 5 + 6 + 7! - 8 + 9 \\
 &:= -9 + 8 + 7! - 6 + 5 &= (4 + 3)! - 2 \times 1 & &:= 9 - 8 + 7! + 6 + 5 &= (4 + 3)! + 2 + 10. \\
 &:= (\sqrt{9})! - 8 + 7! &= 6 \times 5 + (4 + 3)! - \sqrt{2^{10}}. \\
 \\
 5039 &:= -12 + (3 + 4)! + 5 + 6 &= 7! + 8 - 9 & 5064 &:= (1 + 2 \times 3)! + 4! &= (5 + 6!) \times 7 - 8 - \sqrt{9} \\
 &:= (9 - 8) \times 7! - 6 + 5 &= (4 + 3)! - 2 + 1 & &:= \sqrt{9} \times 8 + 7! &= 6! - 5! + (4! + 3!!) \times (2 + 1)! \\
 &:= -9 + 8 + 7! &= 6 + 5 + (4 + 3)! - 2 - 10. & &:= \sqrt{9} \times 8 + 7! &= 6! + 543 \times (-2 + 10). \\
 \\
 5040 &:= (1 + 2 \times 3)! &= 4 + 5 + (6 - 7 + 8)! - 9 & 5096 &:= (-1 + 23 \times 4) \times 56 &= 7 \times (8 + (\sqrt{9})!!) \\
 &:= (9 - 8) \times 7! &= 6 \times 5 \times \sqrt{4^3} \times 21 & &:= ((\sqrt{9})!! + 8) \times 7 &= (6 + 5 - 4) \times (3!! - 2 + 10). \\
 &:= (9 - 8) \times 7! \times (6 - 5) &= 4 \times 3! \times 210. \\
 \\
 5041 &:= 1^2 + (3 + 4) \times 5! \times 6 &= 7! - 8 + 9 & 5160 &:= (1 + 2 + 34) \times 5! + 6! &= 7! + (8 - \sqrt{9})! \\
 &:= 9 - 8 + 7! &= 6 \times 5! + 4321 & &:= (-\sqrt{9} + 8)! + 7 \times 6! &= 5! \times 43 \times (2 - 1) \\
 &:= 9 - 8 + 7 \times 6! &= 5 + (4 + 3)! - 2 - 1 - 0!. & &:= (9 - 8 + 7 \times 6) \times 5! &= 43 \times ((2 + 1)! - 0)!. \\
 \\
 5042 &:= 1 \times 2 + (3 + 4)! &= (5 - 6) \times (-7! - 8 + (\sqrt{9})!) & 5166 &:= (1 + 2)! + (3 + 4)! + 5! &= 6 + 7! + (8 - \sqrt{9})! \\
 &:= 9 - 8 + 7! + 6 &= 5 + (4 + 3)! + 2 \times 1 & &:= (-\sqrt{9} + 8)! + 7! + 6 &= 5! \times 43 + (2 + 1)!. \\
 &:= -(\sqrt{9})! + 8 + 7! &= 6 \times 5! + 4321 + 0!. \\
 \\
 5043 &:= 1 + 2 + (3 + 4)! &= 5 + 6! \times 7 - 8 + (\sqrt{9})! & 5640 &:= (1 \times 23 + 4!) \times 5! &= 6! + 7! - (8 - \sqrt{9})! \\
 &:= (\sqrt{9})! - 8 + 7 \times 6! + 5 &= (4 + 3)! + 2 + 1 & &:= -(-\sqrt{9} + 8)! + 7! + 6! &= 5! \times (4 \times 3! \times 2 - 1). \\
 &:= \sqrt{9} + (8 - 7 + 6)! &= 5 + (4 + 3)! - 2 - 1 + 0!. & 5670 &:= (1 - 2^3!) \times (4! - 5! + 6) &= 7!/8 \times 9 \\
 & & & &:= -(\sqrt{9})!!/8 + 7! + 6! &= (5 + 4) \times 3 \times 210.
 \end{aligned}$$

$$\begin{aligned}
5688 &:= 12 \times (-3! + 4 \times 5!) = 6! + 7! - 8 \times 9 \\
&:= -9 \times 8 + 7! + 6! = (5! \times 4 - 3!) \times (2 + 10). \\
5749 &:= -1 + 2 \times (3!! \times 4 - 5) = 6! + 7! - 8 - \sqrt{9} \\
&:= -\sqrt{9} - 8 + 7! + 6! = (5! \times 4! - 3!) \times 2 + 1 \\
&:= -\sqrt{9} - 8 + 7! + 6! = 5 + 4 \times (3!! - 2) \times (1 + 0!). \\
5752 &:= 1 \times 2^3 \times (4 - 5 + 6!) = 7! - 8 + (\sqrt{9})!! \\
&:= (\sqrt{9})!! - 8 + 7! = (6! - 5 + 4) \times (3^2 - 1) \\
&:= (\sqrt{9})!! - 8 + 7! = 6 + (5! \times 4! - 3!) \times 2 - 1 - 0!. \\
5758 &:= -1 \times 2 + 3!! + (\sqrt{4} + 5)! = 6! + 7! - 8 + (\sqrt{9})! \\
&:= (\sqrt{9})! - 8 + 7! + 6! = (5 + \sqrt{4})! + 3!! - 2 \times 1. \\
5759 &:= -1 + 2 \times 3!! \times 4 = 5! \times 6 + 7! + 8 - 9 \\
&:= -9 + 8 + 7! + 6 \times 5! = 4 \times 3!! \times 2 - 1. \\
5760 &:= (9 + 87) \times (6 + 54) = 3!! \times (-2 + 10) \\
&:= (9 - 8) \times 7! + 6 \times 5! = 4 \times 3!! \times 2 \times 1 \\
&:= 1 \times 2 \times 3!! \times 4 = 5! \times 6 \times (7 - 8 + 9). \\
5761 &:= 1 + 2 \times 3! \times 4 \times 5! = 6! + 7! - 8 + 9 \\
&:= 9 - 8 + 7! + 6! = 5! \times 4 \times 3! \times 2 + 1. \\
5762 &:= 1 \times 2 + 3!! + (\sqrt{4} + 5)! = 6! + 7! + 8 - (\sqrt{9})! \\
&:= -(\sqrt{9})! + 8 + 7! + 6! = (5 + \sqrt{4})! + 3!! + 2 \times 1 \\
&:= \sqrt{9} + 8!/7 - 6 + 5 = \sqrt{4} + 3!! \times (-2 + 10). \\
5765 &:= 1 \times 2 \times 3!! \times 4 + 5 = 6! + 7! + 8 - \sqrt{9} \\
&:= (9 - 8) \times (7! + 6! + 5) = 4 \times (3!! \times 2 + 1) + 0!. \\
5767 &:= -1 + 2^3 \times (-4 + 5 + 6!) = 7 + 8 \times (\sqrt{9})!! \\
&:= (\sqrt{9})!! \times 8 + 7 = 6! - 5 + (4 + 3)! + 2 + 10. \\
5768 &:= 1 \times 2^3 \times (-4 + 5 + 6!) = 7! + 8 + (\sqrt{9})!! \\
&:= 9 + 8!/7 - 6 + 5 = 4!/3 \times ((2 + 1)!! + 0!). \\
5832 &:= (12 + 3!)^{-\sqrt{4}+5} = 6! + 7! + 8 \times 9 \\
&:= 9 \times 8 \times (76 + 5) = (4! - 3!)^{2+1} \\
&:= 9 \times 8 + 7! + 6! = (5 + 4)^3 \times (-2 + 10). \\
5880 &:= 1 \times 2 \times 3!! \times 4 + 5! = 6! + 7! + (8 - \sqrt{9})! \\
&:= (-\sqrt{9} + 8)! + 7! + 6! = 5! \times (4 + 3)^2 \times 1. \\
6471 &:= (-1 + (2 \times 3!)) \times (4 + 5) = (6! + 7 - 8) \times 9 \\
&:= 9 \times (-8 + 7 + 6!) = (5 + 4) \times ((3 \times 2)! - 1) \\
&:= 9 \times (-8 + 7 + 6!) = (5 - \sqrt{4}) \times 3 \times ((2 + 1)!! - 0!). \\
6480 &:= 1 \times 2 \times (3 + 4!) \times 5! = 6! \times (-7 + 8) \times 9 \\
&:= 9 \times (8 - 7) \times 6! = 54 \times (3 + 2)! \times 1. \\
6489 &:= (1 + (2 \times 3!)) \times (4 + 5) = (6! - 7 + 8) \times 9 \\
&:= 9 \times (8 - 7 + 6!) = (5 + 4) \times (3!! + 2 - 1). \\
7200 &:= (12 + 3) \times 4 \times 5! = 6! \times (-7 + 8 + 9) \\
&:= (9 + 8 - 7) \times 6 \times 5! = (4 + 3!) \times (2 + 1)!! \\
&:= (9 + 8 - 7) \times 6! = 5 \times 4 + (3!! - 2) \times 10. \\
8592 &:= 12 \times (3!! - 4) = 5 \times 6! + 7! - 8 \times (\sqrt{9})! \\
&:= -(\sqrt{9})! \times 8 + 7! + 6! \times 5 = 4! \times (3!!/2 - 1 - 0!). \\
8640 &:= 12 \times 3!! = 4! \times 5 \times (67 + 8 - \sqrt{9}) \\
&:= (-9 + 87 - 6) \times 5! = 4 \times 3 \times (2 + 1)!! \\
&:= (-\sqrt{9} + 8 + 7 + 6) \times 5! \times 4 = 3!! \times (2 + 10). \\
8642 &:= 12 \times 3!! + \sqrt{4} = 5 \times 6! + 7! + 8 - (\sqrt{9})! \\
&:= -(\sqrt{9})! + 8 + 7! + 6! \times 5 = 4! \times 3!!/2 + 1 + 0!. \\
10068 &:= 1 \times 2 \times (-3! + (\sqrt{4} + 5)!) = (-6 + 7!) \times (8 - (\sqrt{9})!) \\
&:= (-\sqrt{9})! + 8 \times (7! - 6) = ((5 + \sqrt{4})! - 3!) \times 2 \times 1 \\
&:= (-\sqrt{9})! + 8 \times (7! - 6) = (((5 + \sqrt{4})! - 3!) \times (2 + 1 - 0!)). \\
10079 &:= -1 + (2^3)!/4 = 5 - 6 + 7! \times (8 - (\sqrt{9})!) \\
&:= -(\sqrt{9})! + 8! - 7! \times 6 + 5 = (4 + 3)! \times 2 - 1. \\
10080 &:= (1 + 2 + 3!) \times (4 \times 5 - 6) = 7! \times (8 - (\sqrt{9})!) \\
&:= (\sqrt{9})!! \times (8 + 7 - 6 + 5) = (4 + 3)! \times 2 \times 1 \\
&:= (-\sqrt{9})! + 8 \times 7! = 6^5 + (4 \times 3! \times 2)^{1+0!}. \\
10081 &:= 1 + 2 \times (3 + 4)! = (-5! + 6! - 7) \times (8 + 9) \\
&:= (9 + 8) \times (-7 + 6! - 5!) = (4 + 3)! \times 2 + 1. \\
10092 &:= 1 \times 2 \times (3! + (\sqrt{4} + 5)!) = (6 + 7!) \times (8 - (\sqrt{9})!) \\
&:= (-\sqrt{9})! + 8 \times (7! + 6) = ((5 + \sqrt{4})! + 3!) \times 2 \times 1 \\
&:= (-\sqrt{9})! + 8 \times (7! + 6) = (5 + (4 + 3)!) \times 2 + 1 + 0!. \\
10800 &:= (1 + 2) \times (3 \times \sqrt{4})! \times 5 = 6! + 7! \times (8 - (\sqrt{9})!) \\
&:= (-\sqrt{9})! + 8 \times 7! + 6! = 6! \times 5/4 \times 3! \times 2 \times 1 \\
&:= (-\sqrt{9})! + 8 \times 7! + 6! = 5!/4 \times 3!!/(2 + 1 - 0!). \\
11520 &:= (1 + 23) \times 4 \times 5! = (6! + 7!) \times (8 - (\sqrt{9})!) \\
&:= (\sqrt{9} + 87 + 6) \times 5! = \sqrt{4} \times 3!! \times (-2 + 10). \\
12240 &:= (1 + 2) \times 34 \times 5! = 6! \times (-7 + 8 \times \sqrt{9}) \\
&:= (\sqrt{9} \times 8 - 7) \times 6! = 5!^{\sqrt{4}} - 3!! \times (2 + 1 \times 0!) \\
&:= (9 + 8!/7!) \times 6 \times 5! = 4! \times (3!! - 210).
\end{aligned}$$

$$\begin{aligned}
 12960 &:= (1+2)!! \times (-3!+4!) &= 5! \times 6 \times (7+8+\sqrt{9}) \\
 &:= (\sqrt{9}+8+7) \times 6 \times 5! &= (4!-3!) \times (2+1)!! \\
 14399 &:= -1 + (2+3)!^{\sqrt{4}} &= (5!+6!+7) \times (8+9) \\
 &:= (9+8) \times (7+6!+5!) &= (\sqrt{4}+3)!^2 - 1 \\
 14400 &:= 1 \times (2+3)!^{\sqrt{4}} &= 5 \times 6! \times (-7+8+\sqrt{9}) \\
 &:= (9+8+7) \times (6!-5!) &= (\sqrt{4}+3)!^2 \times 1 \\
 &:= (9+8+7) \times (6!-5!) &= (\sqrt{4} \times 3)! \times 2 \times 10 \\
 15096 &:= -1 \times (23^{\sqrt{4}}) + 5^6 &= (7!-8) \times \sqrt{9} \\
 &:= \sqrt{9} \times (-8+7!) &= 6!+5!^{\sqrt{4}} - 3 - 21 \\
 &:= \sqrt{9} \times (-8+7!) &= 6 \times (5!-4) + 3!! \times 2 \times 10 \\
 15102 &:= (1+2) \times (-3!+(\sqrt{4}+5)!) &= 6 + (7!-8) \times \sqrt{9} \\
 &:= -\sqrt{9} \times (8-7!) + 6 &= ((5+\sqrt{4})! - 3!) \times (2+1) \\
 15114 &:= -(1+2)! + 3 \times (\sqrt{4}+5)! &= (6+7!-8) \times \sqrt{9} \\
 &:= \sqrt{9} \times (-8+7!+6) &= (5+\sqrt{4})! \times 3 - (2+1)! \\
 15120 &:= (1+2)!! + 3!! \times 4 \times 5 &= (6-7+8)! \times \sqrt{9} \\
 &:= \sqrt{9} \times (8-7+6)! &= (5-4) \times 3!! \times 21 \\
 15126 &:= (1+2)! + 3 \times (\sqrt{4}+5)! &= (-6+7!+8) \times \sqrt{9} \\
 &:= \sqrt{9} \times (8+7!-6) &= (5+\sqrt{4})! \times 3 + (2+1)! \\
 &:= \sqrt{9} \times (8+7!-6) &= 5!/4! + 3!! \times 21 + 0! \\
 15144 &:= -1 - (2+3)! \times 4 + 5^6 &= (7!+8) \times \sqrt{9} \\
 &:= -(\sqrt{9})! + 8! + (-7!+6) \times 5 &= 4! + 3!! \times 21 \\
 &:= \sqrt{9} \times (8+7!) &= 65 + (-\sqrt{4}+3!!) \times 21 + 0! \\
 15625 &:= (1-2+3)!^{(\sqrt{4+5}!)^2} &= (6+7-8)^{(\sqrt{9})!} \\
 &:= ((\sqrt{9})! - 8+7)^6 &= 5^{4+3-2+1} \\
 &:= ((\sqrt{9})! - 8+7)^6 &= 5^{(-4 \times (3-2)+10)} \\
 16807 &:= -(1+2)! + (3+4)^5 + 6 &= 7^{8-\sqrt{9}} \\
 &:= ((9-8)^7 + 6)^5 &= (4+3)^{(2+1)!-0!} \\
 17112 &:= -(12-3!!) \times 4! + 5! &= (6!-7) \times 8 \times \sqrt{9} \\
 &:= \sqrt{9} \times 8 \times (-7+6!) &= 5! + 4! \times (3!! - 2 - 10) \\
 17136 &:= ((1+2)!! - 3!) \times 4! + 5! &= (6!+7!-8) \times \sqrt{9} \\
 &:= (9+8) \times 7 \times 6!/5 &= 4! \times (3!! - (2+1)!). \\
 17232 &:= 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!! - 2) \times 1 \\
 &:= \sqrt{9} \times 8 \times (-7+6!) + 5! &= (-\sqrt{4}+3!!) \times (2+1+0)! \\
 17256 &:= (-1 + (2 \times 3)!) \times 4! &= (5! \times 6 + 7! - 8) \times \sqrt{9} \\
 &:= \sqrt{9} \times (-8+7!+6 \times 5!) &= 4! \times ((3 \times 2)! - 1) \\
 17280 &:= (12 \times 3!!) \times \sqrt{4} &= (5-6+7)! \times 8 \times \sqrt{9} \\
 &:= (\sqrt{9}+8-7)! \times 6! \times (5-4) &= 3!! \times (2+1+0)! \\
 19683 &:= 1^2 \times 3^{4+5} &= \sqrt{(-6+7+8)^9} \\
 &:= (\sqrt{9})^{-8 \times 7 + 65} &= (4!+3)^{2+1} \\
 20160 &:= (1+2 \times 3)! \times 4 &= (56/7)! / (8 - (\sqrt{9})!) \\
 &:= ((\sqrt{9})! + 8) \times (7! - 6! \times 5) &= 4 \times (3 \times 2 + 1)! \\
 &:= (9-8) \times 7 \times 6 \times 5! \times 4 &= (3!+2)! / (1+0)! \\
 21600 &:= (1+2)!! \times (3!+4!) &= 5 \times 6! \times (7+8-9) \\
 &:= (\sqrt{9})!! \times (8-7) \times 6 \times 5 &= (4!+3!) \times (2+1)! \\
 &:= (-\sqrt{9}+8) \times (7!-6!) &= 5 \times 432 \times 10 \\
 24480 &:= (1+2)!! \times 34 &= (-5 \times 6! + 7!) \times (8+9) \\
 &:= (-\sqrt{9}+8) \times 7! - 6! &= 5 \times (4+3)! - (2+1)!! \\
 25170 &:= -(1+2)! + (3+4)! \times 5 &= (-6+7!) \times (8-\sqrt{9}) \\
 &:= (-\sqrt{9}+8) \times (7!-6) &= 5 \times ((4+3)! - (2+1)! \\
 &:= (-\sqrt{9}+8) \times (7!-6) &= ((5+\sqrt{4})! - 3!) \times ((2+1)! - 0!) \\
 25200 &:= (-1+2+34) \times 5! \times 6 &= 7! \times (8-\sqrt{9}) \\
 &:= (-\sqrt{9}+8) \times 7! &= (6!+5!) \times (4+3!) \times (2+1) \\
 &:= (9-8) \times 7 \times 6! \times 5 &= (\sqrt{4}+3)! \times 210 \\
 25206 &:= (1+2)! + (3+4)! \times 5 &= 6+7! \times (8-\sqrt{9}) \\
 &:= (-\sqrt{9}+8) \times 7! + 6 &= 5 \times (4+3)! + (2+1)! \\
 25230 &:= ((1+2)! + (3+4)!) \times 5 &= (6+7!) \times (8-\sqrt{9}) \\
 &:= (-\sqrt{9}+8) \times (7!+6) &= 5 \times ((4+3)! + (2+1)! \\
 &:= (-\sqrt{9}+8) \times (7!+6) &= \sqrt{5^{\sqrt{4}}} \times (3! + ((2+1)! + 0!)! \\
 25920 &:= (12-3) \times 4! \times 5! &= 6! + 7! \times (8-\sqrt{9}) \\
 &:= (-\sqrt{9}+8) \times 7! + 6! &= 5 \times 4! \times 3!^{2+1} \\
 &:= (-\sqrt{9}+8) \times 7! + 6! &= 5 \times 4! \times (3! + 210) \\
 28800 &:= 1 \times 2 \times 3!! \times 4 \times 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 &= \sqrt{4} \times 3!! \times 2 \times 10 \\
 29520 &:= 123 \times \sqrt{4} \times 5! &= 6 \times (7! - (8-\sqrt{9})!) \\
 &:= ((\sqrt{9})! \times 8-7) \times 6! &= (5+\sqrt{4})! \times 3! - (2+1)!! \\
 30192 &:= (-1-2+(3+4)!+5) \times 6 &= (7!-8) \times \sqrt{9} \\
 &:= (\sqrt{9})! \times (-8+7!) &= 6 \times ((5+\sqrt{4})! - 3^2 + 1) \\
 30210 &:= (1+2)! \times ((3+4)!-5) &= 6 \times (7! - 8 + \sqrt{9}) \\
 &:= (\sqrt{9} - 8 + 7!) \times 6 &= (-5 + (4+3)!) \times (2+1)!
 \end{aligned}$$

$$\begin{aligned}
30228 &:= -12 + 3! \times (\sqrt{4} + 5)! &= 6 \times (7! - 8 + (\sqrt{9})!) &= 6 - 7! + 8! - (\sqrt{9})!! \\
&:= (\sqrt{9})! \times (-8 + 7! + 6) &= (5 + \sqrt{4})! \times 3! - 2 - 10. &:= ((5! - 4! - 3) \times 2)^{1+0!}. \\
30234 &:= -(1 + 2)! + 3! \times (\sqrt{4} + 5)! &= 6 \times (7! + 8 - 9) &= (-6! + 7!) \times 8 + 9 \\
&:= (-9 + 8 + 7!) \times 6 &= (5 + \sqrt{4})! \times 3! - (2 + 1)!. &:= (5 + 4! \times 3!!) \times 2 - 1. \\
30238 &:= -1 \times 2 + 3! \times (\sqrt{4} + 5)! &= 6 \times 7! - 8 + (\sqrt{9})! &= 8! - (\sqrt{9})!! \\
&:= (\sqrt{9})! - 8 + 7! \times 6 &= (5 + \sqrt{4})! \times 3! - 2 \times 1 &:= ((\sqrt{9})! \times 8 + 7) \times 6 \times 5! &= 6! \times (54 + 3 - 2) \times 1 \\
&:= (\sqrt{9})! - 8 + 7! \times 6 &= (5!^{\sqrt{4}} + 3!!) \times 2 - 1 - 0!. &:= -(\sqrt{9})!! + 8 \times 7! &= 6! \times (5 \times (4 + 3) + 2 \times 10). \\
30239 &:= 1 - 2 + 3! \times (\sqrt{4} + 5)! &= 6 \times 7! + 8 - 9 &= 7 + 8! - (\sqrt{9})!! \\
&:= -9 + 8 + 7! \times 6 &= (5 + \sqrt{4})! \times 3! - 2 + 1 &:= -(\sqrt{9})!! + 8! + 7 &= 6! + 54 \times 3!! + (2 + 1)! + 0!. \\
&:= (-9 + 8 + 7!) \times 6 + 5 &= \sqrt{4} \times 3!! \times 21 - 0!. &40311 &:= 1 + 2 \times (3!! \times 4! - 5) + 6! + 7! = 8! - 9 \\
& & & &:= -9 + 8! &= 7! + 6! - (5 - 4! \times 3!!) \times 2 + 1 \\
& & & &:= -9 + 8! &= 7 \times 6 - 54 + 3 + (-2 + 10)!. \\
30240 &:= 12 \times (-3 + 4!) \times 5! &= 6 \times 7! \times (-8 + 9) &40313 &:= -12 + (3! + \sqrt{4})! + 5 &= 6 - 7 + 8! - (\sqrt{9})! \\
&:= (9 - 8) \times 7! \times 6 &= 5! \times 4 \times 3 \times 21 & &:= -(\sqrt{9})! + 8! - 7 + 6 &= -5 - \sqrt{4} + (3! + 2)! \times 1 \\
&:= (-\sqrt{9} \times 8 + 7!) \times 6 + 5! + 4! = 3! \times ((2 + 1)! + 0!)!. & & &:= -(\sqrt{9})! + 8! - 7 + 6 &= 5 + (4!/3!) - 2 - 10. \\
30241 &:= -1 + 2 + 3! \times (\sqrt{4} + 5)! &= 6 \times 7! - 8 + 9 &40314 &:= 1 + (2^3)! - 4 \times 5 + 6 + 7 &= 8! - (\sqrt{9})! \\
&:= 9 - 8 + 7! \times 6 &= (5 + \sqrt{4})! \times 3! + 2 - 1 & &:= -(\sqrt{9})! + 8! &= 7 + 6 - 5 \times 4 + (3! + 2)! + 1 \\
&:= 9 - 8 + 7! \times 6!/5! &= \sqrt{4} \times 3!! \times 21 + 0!. & &:= -(\sqrt{9})! + 8! &= 7!/6! - 5 - 4!/3 + (-2 + 10)!. \\
30242 &:= 1 \times 2 + 3! \times (\sqrt{4} + 5)! &= 6 \times 7! + 8 - (\sqrt{9})! &40318 &:= -1 - 2 + (3! + \sqrt{4})! - 5 + 6 &= 7 + 8! - 9 \\
&:= -(\sqrt{9})! + 8 + 7! \times 6 &= (5 + \sqrt{4})! \times 3! + 2 \times 1 & &:= -9 + 8! + 7 &= 6 - 5 - 4 + (3! + 2)! + 1 \\
&:= -(\sqrt{9})! + 8 + 7! \times 6!/5! &= \sqrt{4} \times (3!! \times 21 + 0!). & &:= -9 + 8! + 7 &= 6 \times 5! - \sqrt{4} - 3!! + (-2 + 10)!. \\
30245 &:= (1 + 2)! \times (3 + 4!) + 5 &= 6 \times 7! + 8 - \sqrt{9} &40319 &:= -1 + (2^3)! &= 4 + 5 + 6 - 7 + 8! - 9 \\
&:= -\sqrt{9} + 8 + 7! \times 6 &= 5 + \sqrt{4} \times 3!! \times 21 & &:= (9 - 8 + 7)! - 6 + 5 &= (\sqrt{4^3})! - 2 + 1 \\
&:= -\sqrt{9} + 8 + 7! \times 6 &= (5 + \sqrt{4})! \times 3! + (2 + 1)! - 0!. & &:= (9 - 8 + 7)! - 6 + 5 &= (\sqrt{43 + 21})! - 0!. \\
30246 &:= (1 + 2)! + 3! \times (\sqrt{4} + 5)! &= 6 \times (7! - 8 + 9) &40320 &:= 1 \times (2^3)! &= 4 + 5 + 6! \times 7 \times 8 - 9 \\
&:= (9 - 8 + 7!) \times 6 &= (5 + \sqrt{4})! \times 3! + (2 + 1)!. & &:= (98/7 - 6)! &= 5 - 4 + (3! + 2)! - 1 \\
30252 &:= 12 + 3! \times (\sqrt{4} + 5)! &= 6 \times (7! + 8 - \sqrt{9}) & &:= -9 + 8! + 76 + 5 - 4! \times 3 &= (-2 + 10)!. \\
&:= (-\sqrt{9})! + 8 + 7! \times 6 &= (5 + \sqrt{4})! \times 3! + 2 + 10. &40321 &:= 1 + (2^3)! &= 4 + 5 - 6 + 7 + 8! - 9 \\
30270 &:= (1 + 2)! \times ((3 + 4!) + 5) &= 6 \times (7! + 8 - \sqrt{9}) & &:= (9 - 8 + 7)! + 6 - 5 &= (\sqrt{4^3})! + 2 - 1 \\
&:= (-\sqrt{9} + 8 + 7!) \times 6 &= (5 + (4 + 3)!) \times (2 + 1)!. & &:= -(\sqrt{9})! + 8! + 7 &= 6 + 5 - 4 - 3! + (-2 + 10)!. \\
30360 &:= (1 + 2)! \times (3 + 4!) + 5! &= 6 \times 7! + (8 - \sqrt{9})! &40322 &:= 1 \times (2^3)! + \sqrt{4} &= 5 + 6 + 7! \times 8 - 9 \\
&:= ((-\sqrt{9} + 8) + 7!) \times 6 &= 5! \times 43 \times (2 + 1)!. & &:= -9 + 8 \times 7! + 6 + 5 &= (4!/3!) + 2 \times 1 \\
34551 &:= 1 + 2 \times (3!! \times 4! - 5) &= (-6! + 7!) \times 8 - 9 & &:= \sqrt{9} + 8 \times 7! - 6 + 5 &= 4 + (3! + 2)! - 1 - 0!. \\
&:= -9 + 8!/7 \times 6 &= (-5 + 4! \times 3!!) \times 2 + 1. &40323 &:= -1 + (2^3)! + 4 &= 5 - 6 + 7 + 8! - \sqrt{9} \\
34559 &:= -1 + 2 \times 3!! \times 4! &= 5 - 6! - 7! + 8! - (\sqrt{9})! & &:= \sqrt{9} + 8 \times 7! &= (6 - 5) \times (4 + (3! + 2)! - 1) \\
&:= (\sqrt{9})! \times 8!/7 - 6 + 5 &= 4! \times 3!! \times 2 - 1. & &:= 9 + 8 \times (7! - 6 + 5) + \sqrt{4} &= 3 + (-2 + 10)!. \\
34560 &:= 12 \times 3!! \times 4 &= (5! + 6 - 78) \times (\sqrt{9})!! & & & \\
&:= (\sqrt{9})! \times 8!/7 &= 6! \times (54 - 3 - 2 - 1) & & & \\
&:= (\sqrt{9})! \times 8 \times (7 - 6 + 5)! &= 6 \times 5 \times 4!^3/(2 + 10). & & &
\end{aligned}$$



40324 := $1 \times (2^3)! + 4$	= $5!/6 - 7 + 8! - 9$	41880 := $(-12 + 3!!)/\sqrt{4} \times 5!$	= $6! \times (7 \times 8 + \sqrt{9})$
:= $-9 + 8! + 7 + 6$	= $5 - \sqrt{4} + (3! + 2)! + 1$	:= $(\sqrt{9})!! + 8! + 7!/6$	= $5! \times ((-4! + 3!!)/2 + 1)$
:= $-\sqrt{9} + 8! + 7$	= $6 + 5 - 4 - 3 + (-2 + 10)!$	:= $(\sqrt{9} + 8 \times 7) \times 6!$	= $5! \times (4! - 3!) + (-2 + 10)!$
40325 := $(12/3 + 4)! + 5$	= $6 - 7 + 8! + (\sqrt{9})!$	44640 := $1 \times 2 \times (3!! + (4)!) \times 5 \times 6$	= $7! + 8! - (\sqrt{9})!!$
:= $(98/7 - 6)! + 5$	= $4 + (3! + 2)! + 1$	:= $-(\sqrt{9})!! + 8! + 7!$	= $6! \times \sqrt{(5! + 4) \times (32 - 1)}$
:= $(\sqrt{9})! + 8! - 7 + 6$	= $5 + (4 + 3!) \times (-2 + 10)$	:= $((\sqrt{9})! + 8 \times 7) \times 6!$	= $(5! + 4) \times 3!!/2 + 1 - 0!$
40326 := $-1 + (2^3)! + \sqrt{4} + 5$	= $6 + (7 - 8 + 9)!$	45354 := $-(1 + 2)! + 3!!/\sqrt{4} \times (5! + 6)$	= $7! + 8! - (\sqrt{9})!$
:= $(9 - 8 + 7)! + 6$	= $5 + (4!/3!) + 2 - 1$	:= $-(\sqrt{9})! + 8! + 7 \times 6!$	= $(5 + \sqrt{4})! - 3! + (-2 + 10)!$
:= $(\sqrt{9})! \times (8 \times 7!/6 + 5 - 4)$	= $3! + (-2 + 10)!$		
40327 := $1 \times (2^3)! + \sqrt{4} + 5$	= $6 + 7 + 8! - (\sqrt{9})!$	45357 := $-1 - 2 + 3!!/\sqrt{4} \times (5! + 6)$	= $7! + 8! - \sqrt{9}$
:= $\sqrt{9} + 8! - 7 + 6 + 5$	= $(\sqrt{4^3})! + (2 + 1)! + 0!$	:= $-\sqrt{9} + 8! + 7!$	= $(6! + 5!\sqrt{4}) \times 3 - 2 - 1$
		:= $-\sqrt{9} + 8! + 7!$	= $6 + (5 + 4) \times ((3 \times 2 + 1)! - 0!)$
40328 := $-1 + (2^3)! + 4 + 5$	= $6 - 7 + 8! + 9$	45360 := $(1 + 2 \times 3!) \times (4 + 5)$	= $(6 - 7 + 8)! \times 9$
:= $9 + 8! - 7 + 6$	= $5 + (4!/3!) + 2 + 1$	:= $9 \times (8 - 7 + 6)!$	= $(5 + \sqrt{4})! \times 3^2 \times 1$
:= $9 + 8! - 7 + 6!/5!$	= $(\sqrt{4^3})! - 2 + 10$	:= $\sqrt{\sqrt{9^8}} \times 7!$	= $6! \times (5 + 4) \times (-3!/2 + 10)$
40329 := $1 \times (2^3)! - \sqrt{4} + 5 + 6$	= $7! \times 8 + 9$	46656 := $(12 \times 3)^{\sqrt{4+5}}$	= $6^{7+8-9}$
:= $9 + 8 \times 7!$	= $6 + 5 + (4!/3!) - 2 \times 1$	:= $(9 - 8 - 7)^6$	= $(5 + 4 - 3)^{(2+1)!}$
:= $9 + 8!$	= $76 + 5 - 4! \times 3 + (-2 + 10)!$		
40330 := $1 + (2^3)! - \sqrt{4} + 5 + 6$	= $7 + 8! + \sqrt{9}$	51840 := $(1 + 2)!! \times 3 \times 4!$	= $(5 - 6 + 7)! \times 8 \times 9$
:= $\sqrt{9} + 8! + 7$	= $6 + 5 + (4!/3!) - 2 + 1$	:= $9 \times 8!/7$	= $6 \times 5! \times 4 \times (-3 + 21)$
:= $-\sqrt{9} + 8 \times 7! + 6 + 5 + \sqrt{4} = (3! + 2)! + 10$		:= $9 \times 8 \times (7!/6 - 5!)$	= $(4! \times 3)^2 \times 10$
40332 := $12 + (3! + \sqrt{4})!$	= $5 - 6 + 7 + 8! + (\sqrt{9})!$	56160 := $(-1 - 2 + 3^4) \times 5! \times 6$	= $78 \times (\sqrt{9})!!$
:= $(\sqrt{9})! + 8! + 7 - 6 + 5$	= $4 \times 3 + (-2 + 10)!$	:= $(-9 + 87) \times 6!$	= $5! \times 4 \times (-3 + ((2 + 1)! - 0)!)$
40339 := $-1 + (2^3)! + 4 \times 5$	= $6 + 7 + 8! + (\sqrt{9})!$	57600 := $((1 + 2)!!/3)^{\sqrt{4}}$	= $(-5! + 6!) \times (7 + 89)$
:= $(\sqrt{9})! + 8! + 7 + 6$	= $5 \times 4 + (3! + 2)! - 1$	:= $(-\sqrt{9})! + 8) \times (7! + 6!) \times 5$	= $4 \times 3!! \times 2 \times 10$
:= $-9 + 8 \times (7! + 6)$	= $5 + 4! + (3! + 2)! - 10$		
40343 := $-1 + (2^3)! + 4!$	= $5!/6 + 7! \times 8 + \sqrt{9}$	58320 := $(1 + 2)!! \times 3^4$	= $5! \times (6! - 78 \times \sqrt{9})$
:= $9 + 8! + \sqrt{76 + 5!}$	= $4! + (3! + 2)! - 1$	:= $(\sqrt{9})!! \times (87 - 6)$	= $(5! \times 4 + 3!) \times ((2 + 1)! - 0)!)$
40353 := $1 + (2^3)! + \sqrt{4^5}$	= $6 \times 7 + 8! - 9$	60480 := $12 \times ((3 \times 4) - 5)!$	= $6! \times (78 + (\sqrt{9})!)$
:= $-9 + 8! + 7 \times 6$	= $5!/4 + 3 + (-2 + 10)!$	:= $(-\sqrt{9} + 87) \times 6 \times 5!$	= $4 \times 3!! \times 21$
41039 := $-1 + (2^3)! + (\sqrt{4 + 5})!!$	= $6! - 7 + 8! + (\sqrt{9})!$	71280 := $(1 + 2)!! \times (3 - 4! + 5!)$	= $6! + 7! \times (8 + (\sqrt{9})!)$
:= $(\sqrt{9})! + 8! - 7 + 6!$	= $(5 - \sqrt{4})!! + (3! + 2)! - 1$	:= $(\sqrt{9})!! + 8! + 7! \times 6$	= $(5! - 4! + 3) \times (2 + 1)!!$
41040 := $(1 + 2)!! \times 3 \times (4! - 5)$	= $6! + (7 - 8 + 9)!$	73440 := $(1 + 2)!! \times (3! - 4! + 5!)$	= $(-6! + 7!) \times (8 + 9)$
:= $(9 - 8 + 7)! + 6!$	= $(-5 + 4!) \times 3!! \times (2 + 1)$	:= $(9 + 8) \times (7! - 6!)$	= $(5! - 4! + 3!) \times (2 + 1)!!$
:= $-9 + 8 \times 7! + 6! + 5 + 4$	= $3!! + (-2 + 10)!$	:= $(9 + 8) \times (7! - 6!)$	= $(5! + 4!) \times (3!! - 210)$
41041 := $1 + (2^3)! + (\sqrt{4 + 5})!!$	= $6! + 7 + 8! - (\sqrt{9})!$	74880 := $(-1 + (2 + 3)^4) \times 5!$	= $(6 + 7) \times 8 \times (\sqrt{9})!!$
:= $\sqrt{9} + 8! - 7 + 6! + 5$	= $(4!/3!) + (2 + 1)!! + 0!$	:= $(\sqrt{9})!! \times 8 \times (7 + 6)$	= $5! \times 4! \times (3^{2+1} - 0)!)$

$$\begin{aligned}
80640 &:= 1 \times (2^3)! \times \sqrt{4} &= 5! \times (678 - (\sqrt{9})!) \\
&:= ((\sqrt{9})! + 8) \times (7! + 6 \times 5!) &= \sqrt{4} \times (3^2 - 1)! \\
&:= ((\sqrt{9})! + 8) \times (7! + 6!) &= 5! \times (4! - 3) \times \sqrt{2^{10}}. \\
81360 &:= (1 + 2)!! \times (-3 - 4 + 5!) &= 6! \times (-7 + (8 - \sqrt{9})!) \\
&:= ((-\sqrt{9} + 8)! - 7) \times 6! &= (5! - 4 - 3) \times (2 + 1)!!. \\
85560 &:= (-1 - 2 + 3!! - 4) \times 5! &= (6! - 7) \times (8 - \sqrt{9})! \\
&:= (-\sqrt{9} + 8)! \times (-7 + 6!) &= 5! \times (-4 + 3!! - 2 - 1). \\
85680 &:= (123 - 4) \times 5! \times 6 &= 7! \times (8 + 9) \\
&:= (9 + 8) \times 7 \times 6! &= 5! \times (-4 + 3!! - 2) \times 1. \\
86400 &:= (1 + 2)!! \times (3 + \sqrt{4})! &= 5! \times 6! \times (-7 + 8)^9 \\
&:= ((\sqrt{9})! - 8 + 7)! \times 6 \times 5! &= (\sqrt{4} + 3)! \times (2 + 1)!! \\
&:= (9 + 8) \times 7! + 6! &= 5! \times (4 + 3!! - 2 - 1 - 0!). \\
87240 &:= ((1 + 2)^{3!} - \sqrt{4}) \times 5! &= (6! + 7) \times (8 - \sqrt{9})! \\
&:= (-\sqrt{9} + 8)! \times (7 + 6!) &= 5! \times (4 + 3!! + 2 + 1). \\
90720 &:= (1 + 2) \times 3! \times (\sqrt{4} + 5)! &= (-6 \times 7! + 8!) \times 9 \\
&:= 9 \times (8! - 7! \times 6) &= (5 + \sqrt{4})! \times 3! \times (2 + 1) \\
&:= 9 \times (8 + 76) \times 5! &= (4! - 3!) \times ((2 + 1)! + 0!)!. \\
91440 &:= (1 + 2)!! \times (3 + 4 + 5!) &= 6! \times (7 + (8 - \sqrt{9})!) \\
&:= ((-\sqrt{9} + 8)! + 7) \times 6! &= (5! + 4 + 3) \times (2 + 1)!!. \\
105840 &:= (12 + 3 \times 45) \times 6! &= (-7! + 8!) \times \sqrt{9} \\
&:= \sqrt{9} \times (8! - 7!) &= 6! \times (-5 + 4 \times 3) \times 21 \\
&:= \sqrt{9} \times (8! - 7 \times 6!) &= (5 + \sqrt{4}) \times 3 \times ((2 + 1)! + 0!)!. \\
108000 &:= (1 + 2)!! \times (3! + 4!) \times 5 &= (6! - 7! + 8!) \times \sqrt{9} \\
&:= \sqrt{9} \times (8! - 7! + 6!) &= (5!/\sqrt{4})^3/2 \times 1 \\
&:= \sqrt{9} \times (8! - 7! + 6!) &= (5!/\sqrt{4})^3/2 + 1 - 0!. \\
110880 &:= (-1 + 23) \times (\sqrt{4} + 5)! &= 6 \times (7! + 8!/\sqrt{9}) \\
&:= (-\sqrt{9})! + 8) \times 7! \times (6 + 5) &= (4 + 3!) \times (21 + 0!). \\
116640 &:= 12 \times 3^4 \times 5! &= 6! - 7! + 8! \times \sqrt{9} \\
&:= \sqrt{9} \times 8! - 7! + 6! &= 54 \times 3!! \times (2 + 1) \\
&:= \sqrt{9} \times 8! - 7! + 6! &= (-5! + 4 \times 3)^2 \times 10. \\
117649 &:= (1 + 2 \times 3)^{(\sqrt{4+5})!} &= (6 - 7 + 8)^{(\sqrt{9})!} \\
&:= (9 - 8) \times 7^6 &= (5 + \sqrt{4})^{3 \times 2} \times 1. \\
120945 &:= (1 + 2) \times ((3! + \sqrt{4})! - 5) &= 6 + (-7 + 8!) \times \sqrt{9} \\
&:= \sqrt{9} \times (8! - 7) + 6 &= (-5 + (4!/3!)) \times (2 + 1). \\
120957 &:= (-1 + (2^3)!) \times \sqrt{4+5} &= (6 - 7 + 8!) \times \sqrt{9} \\
&:= \sqrt{9} \times (8! - 7 + 6) &= (5 + 4)!/3 - 2 - 1 \\
&:= \sqrt{9} \times (8! - 7 + 6) &= (5 + 4)!/3 - 2 \times 1 - 0!. \\
120959 &:= -1 + (2^3)! \times (-\sqrt{4} + 5) &= 6 - 7 + 8! \times \sqrt{9} \\
&:= \sqrt{9} \times 8! - 7 + 6 &= (5 + 4)!/3 - 2 + 1 \\
&:= \sqrt{9} \times 8 \times 7! - 6 + 5 &= (\sqrt{4^3})! \times (2 + 1) - 0!. \\
120960 &:= (1 + 2 \times 3)! \times 4! &= (-5 + 6) \times 7! \times 8 \times \sqrt{9} \\
&:= \sqrt{9} \times 8 \times 7! &= 6 + (5 + 4)!/3 - (2 + 1)! \\
&:= 9!/8 + 7! \times 6 \times 5/\sqrt{4} &= 3 \times (-2 + 10)!. \\
120963 &:= (1 + (2^3)!) \times (-\sqrt{4} + 5) &= (-6 + 7 + 8!) \times \sqrt{9} \\
&:= \sqrt{9} \times (8! + 7 - 6) &= (5 + 4)!/3 + 2 + 1 \\
&:= \sqrt{9} \times (8! + 7 - 6) &= 5 - \sqrt{4} + 3 \times (-2 + 10)!. \\
120967 &:= 1 + (2^3)! \times (-\sqrt{4} + 5) + 6 &= 7 + 8! \times \sqrt{9} \\
&:= \sqrt{9} \times 8! + 7 &= 6 + (5 + 4)!/3 + 2 - 1 \\
&:= \sqrt{9} \times 8! + 7 &= 6 + 5 - 4 + 3 \times (-2 + 10)!. \\
126000 &:= (1 + (-2 + 3!)) \times (\sqrt{4} + 5)! &= 6! \times 7 + 8! \times \sqrt{9} \\
&:= \sqrt{9} \times 8! + 7 \times 6! &= 5 \times (4 + 3!) \times ((2 + 1)! - 0!). \\
151200 &:= (1 + 2)! \times (3 + 4)! \times 5 &= 6 \times 7! \times (8 - \sqrt{9}) \\
&:= (-\sqrt{9} + 8) \times 7! \times 6 &= 5 \times (4 + 3!) \times (2 + 1)! \\
&:= -\sqrt{9} \times 8 + 7! \times 6 \times 5 + 4! &= 3!! \times 210. \\
161280 &:= (1 + 2 \times 3)! \times \sqrt{4^5} &= (6 + 7) \times 8! - 9! \\
&:= \sqrt{9} \times 8! + (7 + 6 - 5)! &= 4 \times (3^2 - 1)! \\
&:= -9! + 8! \times (7 + 6) &= (5 - 4 + 3) \times (-2 + 10)!. \\
181440 &:= (12 - 3)!/\sqrt{4} &= (5!/6 \times 7! - 8!) \times \sqrt{9} \\
&:= 9!/(8!/7! - 6) &= (5 + 4)!/(3 - 2 + 1) \\
&:= 9!/(8 - 7 + (6 - 5)^4) &= (3^2)!/(1 + 0)!. \\
216000 &:= (1 + 2)!! \times (3!!/4 + 5!) &= (6! - 7! + 8!) \times (\sqrt{9})! \\
&:= (\sqrt{9})! \times (8! - 7! + 6!) &= (5 \times 4 \times 3)^{2+1} \\
&:= (\sqrt{9})! \times (8! - 7! + 6!) &= (5!/4)^3 \times (-2 + 10). \\
241878 &:= ((1 \times 2^3)! - \sqrt{4} - 5) \times 6 &= (-7 + 8!) \times (\sqrt{9})! \\
&:= (\sqrt{9})! \times (8! - 7) &= 6 \times (-5 - \sqrt{4} + (3! + 2)!) \times 1. \\
241920 &:= ((1 + 2)!! + 3!^4) \times 5! &= 6 \times (7 - 8 + 9)! \\
&:= (9 - 8 + 7)! \times 6 &= (5 + 4)!/3 \times 2 \times 1 \\
&:= (-9 + 8 \times 7!) \times 6 + 54 &= 3! \times (-2 + 10)!. \\
241927 &:= 1 + (2^3)! \times (-\sqrt{4} + 5)! + 6 &= 7 + 8! \times (\sqrt{9})! \\
&:= (\sqrt{9})! \times 8! + 7 &= 6 + (5 - \sqrt{4})! \times (3! + 2)! + 1 \\
&:= (\sqrt{9})! \times 8! + 7 &= 6 + 5 - 4 + 3! \times (-2 + 10)!. \\
246960 &:= (-1 \times 2 + 345) \times 6! &= 7! + 8! \times (\sqrt{9})! \\
&:= (\sqrt{9})! \times 8! + 7! &= (6 + 5 - 4)^3 \times (2 + 1)!! \\
&:= (\sqrt{9})! \times 8! + 7! &= (6 + 5 - 4)! + 3! \times (-2 + 10)!.
\end{aligned}$$

$$\begin{aligned}
 259200 &:= (1+2)!! \times 3!!/\sqrt{4} &= 5! \times 6! \times (-7+8) \times \sqrt{9} \\
 &:= \sqrt{9} \times (-8!/7! + 6! \times 5!) + 4! &= 3!!^2/(1+0!). \\
 262144 &:= 1 \times 2^{-3!+4!} &= (-5-6+7+8)^9 \\
 &:= (9-8+7)^{6!/5!} &= 4^{(3^2)} \times 1. \\
 267840 &:= (1+2) \times 3!! \times (4+5!) &= 6 \times (7!+8! - (\sqrt{9})!!) \\
 &:= (\sqrt{9})! \times (8!+7! - 6!) &= (5!+4) \times 3!! \times (2+1). \\
 279936 &:= (1+2)!^{3+4} &= 5! + 6^7 - (8-\sqrt{9})! \\
 &:= (\sqrt{9})!^{8-7+6} &= (\sqrt{5+4})!^{3!} \times (2+1)! \\
 &:= 9 \times (8-7) \times 6^5 \times 4 &= 3!(2+1)!+0!. \\
 280056 &:= (1+2)!^{3+4} + 5! &= 6^7 + (8-\sqrt{9})! \\
 &:= (\sqrt{9!/8!})^7 + 6! &= (5-\sqrt{4})!! + 3!(2+1)!+0!. \\
 282240 &:= 1 \times (2+3!)! \times (\sqrt{4}+5) &= 6+7 \times 8! - (\sqrt{9})! \\
 &:= -(\sqrt{9})!! + 8! \times 7+6! &= (5+\sqrt{4}) \times (3!+2)! \times 1 \\
 &:= -(\sqrt{9})! + 8! \times 7+6 &= (5+\sqrt{4}) \times (3!+2)! - 1+0!. \\
 311040 &:= 1 \times 2 \times 3!^4 \times 5! &= (-6!+7!) \times 8 \times 9 \\
 &:= 9 \times 8!/7 \times 6 &= 54 \times 3!! \times (-2+10). \\
 317520 &:= (1+2) \times (3+4!+5!) \times 6! &= (-7!+8!) \times 9 \\
 &:= 9!/8 \times 7 &= (65-\sqrt{4}) \times (3!+2-1)!. \\
 322560 &:= 1 \times 2 \times 3!! \times 4 \times 56 &= (6-7) \times 8! + 9! \\
 &:= (9!-8!) \times (7-6) &= (5+4)! - (3!+2)! \times 1 \\
 &:= (9!-8 \times 7!) \times (6-5) &= (\sqrt{4^3})! \times (-2+10). \\
 362880 &:= (12-3)! - 4 - 5 - 6 + 7 + 8 = 9! \\
 &:= 9! &= 8-7+6+(5+4)! - 3 \times 2 - 1 \\
 &:= 9! &= 8! - 7! + 65 \times 4 \times 3! \times 210. \\
 362881 &:= 1 + (2+3+4)! &= (-5+6)^{78} + 9! \\
 &:= 9! + 8+7+6-5 \times 4 &= (3^2)! + 1. \\
 362882 &:= (12-3)! + \sqrt{4} &= 5 \times 6/(7+8) + 9! \\
 &:= 9 \times (8!-7) + 65 &= \sqrt{4} + (3^2)! \times 1 \\
 &:= 9 \times (8!-7) + 65 &= 4 + (3^2)! - 1 - 0!. \\
 362883 &:= 1 + 2 + (3^{\sqrt{4}})! &= 5! + (-6-7+8!) \times 9 \\
 &:= 9 \times (8!-7-6) + 5! &= 4 + (3^2)! - 1 \\
 &:= 9! + \sqrt{8+7-6} &= \sqrt{5+4} + (-3+2+10)!. \\
 362885 &:= (12 \times 3/4)! + 5 &= 6+7-8+9! \\
 &:= 9! - 8+7+6 &= 5 + (4+3+2)! \times 1. \\
 362886 &:= 12-3! + (4+5)! &= 6+7! \times 8 \times 9 \\
 &:= 9! - 8 + \sqrt{76+5!} &= 4 + (3^2)! + 1 + 0!. \\
 362887 &:= (12-3)! - 4 + 5 + 6 &= 7+8! \times 9 \\
 &:= 9 \times 8! + 7 &= 6 + (5+4)! + 3 - 2 \times 1 \\
 &:= 9! + 8 - 7 + 6 &= 5 + (4+3+2)! + 1 + 0!. \\
 362888 &:= 1 \times 2^3 + (4+5)! &= (-6+7) \times (8+9!) \\
 &:= (9!+8) \times (7-6) &= 5+4+(3^2)! - 1 \\
 &:= 9!+8 &= 7+6+(5+4)! + 3+2-10. \\
 362892 &:= 12 + (\sqrt{3^4})! &= 5+6-7+8+9! \\
 &:= 9! + 8 - 7 + 6 + 5 &= \sqrt{4} + (3^2)! + 10. \\
 362895 &:= (12-3)! + 4 + 5 + 6 &= 7+8+9! \\
 &:= 9! + 8 + 7!/6! &= (5+4)! - 3! + 2! \\
 &:= 9! + 8 + 7 &= 6 + (5+4)! - 3 + 2 + 10. \\
 362936 &:= (12-3)! - 4 + \sqrt{5 \times 6!} &= 7 \times 8 + 9! \\
 &:= 9! + 8 \times 7 &= \sqrt{6! \times 5} - 4 + (3^2)! \times 1 \\
 &:= 9! + 8 \times 7 &= 6 + 5!/ \sqrt{4} + (3^2)! - 10. \\
 362997 &:= -1 - 2 + (3^{\sqrt{4}})! + 5! &= (6+7+8!) \times 9 \\
 &:= 9 \times (8!+7+6) &= 5! - \sqrt{4} + (3^2)! - 1. \\
 363000 &:= 1 \times (2+3+4)! + 5! &= (6+7-8!) + 9! \\
 &:= 9! + (-8+7+6)! &= 5! + 4! \times 3!! \times 2!. \\
 363599 &:= -1 + (2 \times 3)! + (4+5)! &= 6! + 7 - 8 + 9! \\
 &:= 9! - 8 + 7 + 6! &= (5+4)! + 3!! - 2 + 1. \\
 363600 &:= ((1+2) \times 3)! + (\sqrt{4+5})!! &= 5! \times 6 \times (-7+8) + 9! \\
 &:= 9! \times (8-7) + 6! &= (5+4)! - 3!! \times (-2+1). \\
 363601 &:= 1 + (2 \times 3)! + (4+5)! &= 6! - 7 + 8 + 9! \\
 &:= 9! + 8 - 7 + 6! &= (5+4)! + 3!! + 2 - 1. \\
 367920 &:= (-1+2+3!)^{(-\sqrt{4}+5)} \times 6! &= 7! + 8! \times 9 \\
 &:= 9! + (8-7+6)! &= (5+\sqrt{4})! + (3+(2+1))! \\
 &:= 9 \times 8! + 7! &= 6 + (5+4)! - 3! + ((2+1)! + 0!)!. \\
 388800 &:= (\sqrt{9})!!/8 \times (7! - 6!) &= 5!^{\sqrt{4}} \times 3^{2+1} \\
 &:= 12 \times 3!! \times 45 &= (-6!+7!)/8 \times (\sqrt{9})!! \\
 &:= (\sqrt{9})!!/8 \times (7! - 6!) &= 54 \times (3 \times 2)! \times 10. \\
 390625 &:= (1 + (-2+3!)!)^4 &= 5^{(-6+78)/9} \\
 &:= (\sqrt{9}-8)^{(7+6-5)} &= (\sqrt{4}+3)^{(-2+10)}. \\
 403199 &:= -1 + 2 \times (3! + \sqrt{4})! \times 5 &= 6-7+8! + 9! \\
 &:= 9! + (8! - 7 + 6) &= (5+4)! + (3!+2)! - 1. \\
 433440 &:= (1+2)!! \times (3!! + \sqrt{4} - 5!) &= 6 \times 7! + 8! + 9! \\
 &:= 9! + 8! + 7! \times 6 &= (-5! + \sqrt{4} + 3!!) \times (2+1)!!.
 \end{aligned}$$

$$\begin{aligned}
483840 &:= (9! - 8! \times 7) \times 6 &= (5! - 4!) \times (3 \times 2 + 1)! \\
&:= 12 \times (3! + \sqrt{4})! &= (5 + 6 - 7) \times 8! \times \sqrt{9} \\
&:= (9! - 8! \times 7) \times 6 &= (5 + 4)!/3 \times (2 + 1 + 0!). \\
514080 &:= (1 + 2)!! \times (3!! - (\sqrt{4 + 5})!) &= 6 \times 7! \times (8 + 9) \\
&:= (9 + 8) \times 7! \times 6 &= (5! - 4! + 3!) \times ((2 + 1)! + 0!)!. \\
514080 &:= (9 + 8) \times 7! \times 6 &= (\sqrt{5 + 4})!! \times (3!! - (2 + 1)!) \\
&:= (-\sqrt{9})!! + 8! \times (7 + 6) &= (-5!/4! + 3!!) \times (2 + 1)!! \\
&:= (1 + 2)!! \times ((3 \times \sqrt{4})! - 5) &= (6 + 7) \times (8! - (\sqrt{9})!). \\
515520 &:= (1 + 2)!! \times (3!! - 4) &= 5! \times (-6! + 7! - 8 \times \sqrt{9}) \\
&:= (-\sqrt{9} \times 8 + 7! - 6!) \times 5! &= (-4 + 3!!) \times (2 + 1)!!. \\
515524 &:= 1 \times (2 - 3!!)^{\sqrt{4}} &= (5 + 6! - 7)^{8 - (\sqrt{9})!} \\
&:= ((9 - 8) \times 7 - 6! - 5)^{\sqrt{4}} &= (3!! - 2)^{1 + 0!}. \\
517680 &:= -(1 + 2)!! + 3!!^{\sqrt{4}} &= 5! \times (6! + 7 - 8) \times (\sqrt{9})! \\
&:= ((\sqrt{9})!! - 8 + 7) \times 6! &= (\sqrt{5 + 4})!! \times 3!! - (2 + 1)!! \\
&:= ((\sqrt{9})!! - 8 + 7) \times 6 \times 5! &= (\sqrt{4} \times 3!) \times ((2 + 1)!! - 0!). \\
518394 &:= -(1 + 2)! + 3!!^{\sqrt{4}} &= (5! \times 6! + 7 - 8) \times (\sqrt{9})! \\
&:= (\sqrt{9})! \times (-8 + 7 + 6! \times 5!) &= 4 + 3!!^2 - 10. \\
518399 &:= 1 - 2 + 3!!^{\sqrt{4}} &= 5! \times (-6! + 7!) + 8 - 9 \\
&:= -9 + 8 + (7! - 6!) \times 5 \times 4! &= 3!!^2 - 1. \\
518400 &:= (1 + 2)!! \times 3!! &= 4! \times 5 \times 6! \times (7 + 8 - 9) \\
&:= (9 - 8) \times (7! - 6!) \times 5 \times 4! &= 3!!^2 \times 1 \\
&:= (-9 + 8 + 7!) \times 6! &= 5! \times 432 \times 10. \\
518401 &:= 1 + (2 \times 3!)^{\sqrt{4}} &= 5! \times (-6! + 7!) - 8 + 9 \\
&:= 9 - 8 + (7! - 6!) \times 5 \times 4! &= 3!!^2 + 1 \\
&:= -9 + 8 + (7! - 6!) \times 5! + \sqrt{4} &= 3!!^2 \times 1 + 0!. \\
518402 &:= -(\sqrt{9})! + 8 + (7! - 6!) \times 5! &= \sqrt{4} + 3!!^2 \times 1 \\
&:= 1 \times 2 + 3!!^{\sqrt{4}} &= 5! \times (-6! + 7!) + 8 - (\sqrt{9})! \\
&:= (\sqrt{9})! - 8 + (7! - 6!) \times 5! + 4 &= 3!!^2 + 1 + 0!. \\
518406 &:= (1 + 2)! + 3!!^{\sqrt{4}} &= (5! \times 6! - 7 + 8) \times (\sqrt{9})! \\
&:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! + (7! - 6!) \times 5! &= -4 + 3!!^2 + 10. \\
518424 &:= (1 + 2)!! \times 3!! + 4! &= 5! \times (-6! + 7!) + 8 \times \sqrt{9} \\
&:= \sqrt{9} \times 8 + (7! - 6!) \times 5! &= 4! + 3!!^2 \times 1. \\
519120 &:= (1 + 2)!! + 3!!^{\sqrt{4}} &= 5! \times (6! - 7 + 8) \times (\sqrt{9})! \\
&:= (\sqrt{9})!! \times (8 - 7 + 6!) &= (\sqrt{5 + 4})!! \times 3!! + (2 + 1)!! \\
&:= \sqrt{9} \times (8 - 7 + 6!) \times 5! \times \sqrt{4} &= 3!! \times ((2 + 1)!! + 0!). \\
521280 &:= (1 + 2)!! \times (3!! + 4) &= (5 + 6! + 7 - 8) \times (\sqrt{9})!! \\
&:= (\sqrt{9})!! \times (-8 + 7 + 6! + 5) &= (4 + 3!!) \times (2 + 1)!!. \\
521284 &:= ((\sqrt{9})! - 8 - 7!/6 + 5!)^{\sqrt{4}} &= (3!! + 2)^{1 + 0!} \\
&:= 1 \times (2 + 3!!)^{\sqrt{4}} &= (-5 + 6! + 7)^{8 - (\sqrt{9})!}. \\
523440 &:= (1 + 2)!! \times (3!! + \sqrt{4} + 5) &= (6 + 7) \times 8! - (\sqrt{9})!! \\
&:= -(\sqrt{9})!! + 8! \times (7 + 6) &= (5 + \sqrt{4})! + 3!!^2 \times 1. \\
531441 &:= (12 - 3)^{(\sqrt{4+5})!} &= (-6 + 7 + 8)^{(\sqrt{9})!} \\
&:= (9 \times (8 - 7))^6 &= (5 + 4)^{3+2+1} \\
&:= (\sqrt{9})^{(-8-7+\sqrt{6!+5+4})} &= 3^{2+10}. \\
604800 &:= 1^2 \times (3 + 4)! \times 5! &= 6! \times 7 \times (8 - \sqrt{9})! \\
&:= (-\sqrt{9} + 8)! \times 7! &= 6! \times 5 \times 4!/3 \times 21. \\
604806 &:= (1 + 2)! + (3 + 4)! \times 5! &= 6 + 7! \times (8 - \sqrt{9})! \\
&:= (-\sqrt{9} + 8)! \times 7! + 6 &= 5! \times (4 + 3)! + (2 + 1)!. \\
605520 &:= (1 + 2)!! + (3 + 4)! \times 5! &= 6! + 7! \times (8 - \sqrt{9})! \\
&:= (-\sqrt{9} + 8)! \times (7! + 6) &= 5! \times ((4 + 3)! + (2 + 1)!). \\
725760 &:= (12 - 3)! + (4 + 5)! &= 6 \times 7! \times 8 \times \sqrt{9} \\
&:= \sqrt{9} \times 8 \times 7! \times 6 &= (5 + 4)! \times (3 - 2 + 1) \\
&:= 9! \times (8 - 7 + (6 - 5)^4) &= (3^2)! \times (1 + 0!).
\end{aligned}$$

6. RUNNING EXPRESSIONS WITH NEGATIVE SIGN IN INCREASING ORDERS

This section deals with the running expressions with negative sign in increasing and decreasing orders of 1 to 9 separated by equalities.

6.1. Increasing orders of 1 to 9.

$25 := 1 + 23 - 4 + 5$	$= 6 \times 7 - 8 - 9.$	$746 := (1 + 2)!! - 3 + 4! + 5$	$= 6! + 78/\sqrt{9}.$
$38 := 12 \times 3 + \sqrt{4}$	$= 5 \times 6 + 7 - 8 + 9.$	$747 := (1 + 2)!! + 3 + 4!$	$= 5! + 6 + 7!/8 - 9.$
$49 := 1 + 2 \times 3! \times 4$	$= 56 + 7 \times (8 - 9).$	$747 := 1 + 2 + 3!! + 4!$	$= 5! + 6 + 7!/8 - 9.$
$85 := 1 - 2 \times (3 - 45)$	$= 6 + 7 + 8 \times 9.$	$825 := (1 + 2)^{3!} - 4! + 5!$	$= 6! + 7!/(8 \times (\sqrt{9})!).$
$87 := -1 - 2 + 34 + 56$	$= 78 + 9.$	$1008 := 12^3 - (\sqrt{4 + 5})!!$	$= 6 \times 7 \times 8 \times \sqrt{9}.$
$106 := 1 + (23 - \sqrt{4}) \times 5$	$= (6 + 7!/8)/(\sqrt{9})!.$	$1290 := -(1 + 2)! + 3!^4$	$= 5! - 6! + 7!/8 \times \sqrt{9}.$
$115 := 1 + 234 - 5!$	$= 67 + 8 \times (\sqrt{9})!.$	$1293 := -1 - 2 + 3!^4$	$= (5! + 6 \times 7) \times 8 - \sqrt{9}.$
$129 := 123 + (\sqrt{4 + 5})!$	$= -6 + (7 + 8) \times 9.$	$1294 := -1 \times 2 + 3!^4$	$= -56 + 7!/8 + (\sqrt{9})!!.$
$145 := 1 + 2 \times 3 \times 4!$	$= 5! + 6 \times 7 - 8 - 9.$	$1295 := 1 - 2 + 3!^4$	$= 567 + 8 + (\sqrt{9})!!.$
$169 := 1 - 2 + 34 \times 5$	$= (6 + 7)^{8 - (\sqrt{9})!}.$	$1298 := 1 \times 2 + 3!^4$	$= (\sqrt{5^6} - 7) \times (8 + \sqrt{9}).$
$183 := (12 + 3!!)/4$	$= 5! - 6 + 78 - 9.$	$1344 := 12 \times (-3! - \sqrt{4} + 5!)$	$= 6! + 7!/8 - (\sqrt{9})!.$
$187 := 1 \times 2 + 3!!/4 + 5$	$= 67 + (8 - \sqrt{9})!.$	$1404 := -12 + 3!^4 + 5!$	$= 6 \times 78 \times \sqrt{9}.$
$201 := (12 - 3)^{\sqrt{4}} + 5!$	$= 6! - 7 - 8^{\sqrt{9}}.$	$1422 := 1 \times 2 \times (3!! - 4 - 5)$	$= 6! + 78 \times 9.$
$220 := (1 + 2)!^3 + 4$	$= 5 + 6! + 7 - 8^{\sqrt{9}}.$	$1487 := -1 + 2 \times (3!! + 4!)$	$= (5! + 67) \times 8 - 9.$
$221 := 12 \times (-3! + 4!) + 5$	$= (6 + 7) \times (8 + 9).$	$1536 := 1 \times 2^{3!} \times 4!$	$= 5! \times (6 + 7) - 8 \times \sqrt{9}.$
$235 := 1 + 234$	$= 5 \times (-6 \times 7 + 89).$	$1608 := 12^3 - 4! \times 5$	$= 67 \times 8 \times \sqrt{9}.$
$335 := (-1 + 2 \times 34) \times 5$	$= 67 \times (8 - \sqrt{9}).$	$1620 := 12 \times 3 \times 45$	$= (-6! + 7!)/8 \times \sqrt{9}.$
$426 := -(1 + 2)! + 3 \times (4! + 5!)$	$= 6 \times \sqrt{(7! - 8 + 9)}.$	$1679 := -1 + (2^3)!/4!$	$= 5 - 6 - 7! + 8!/(9)!.$
$465 := (12 + 3^4) \times 5$	$= 6 \times 78 - \sqrt{9}.$	$1686 := 1 + (2^3)!/4! + 5$	$= 6 - 7! + 8!/(9)!.$
$471 := -12 + 3 + 4 \times 5!$	$= 6 \times 78 + \sqrt{9}.$	$1752 := 12^3 + 4! + 5!$	$= (-6 + 7!/8) \times \sqrt{9}.$
$476 := (-1 + (2 + 3)!) \times 4$	$= 5 + 6 \times 78 + \sqrt{9}.$	$1872 := 12^3 + 4! + 5!$	$= (-6 + 7!/8) \times \sqrt{9}.$
$492 := 1 \times 2 \times 3! + 4 \times 5!$	$= 6 \times (-7 + 89).$	$2158 := (1 + 2)!! \times 3 - \sqrt{4}$	$= -5 + (6! - 7 + 8) \times \sqrt{9}.$
$511 := -1 + 2^{\sqrt{3^4}}$	$= 5 \times (6 + 7) \times 8 - 9.$	$2184 := (1 + 2)!! \times 3 + 4!$	$= ((5 - 6 + 7)! + 8) \times \sqrt{9}.$
$527 := -1 + 2 \times (3! \times 4! + 5!)$	$= 67 \times 8 - 9.$	$2401 := (1 - 2^3)^4$	$= (56 - 7)^{8 - (\sqrt{9})!}.$
$533 := (-1 + 23) \times 4! + 5$	$= 67 \times 8 - \sqrt{9}.$	$2517 := -1 - 2 + (-3 + 4!) \times 5!$	$= (-6 + 7!)/(8 - (\sqrt{9})!).$
$539 := -1 + 2 \times 3! \times 45$	$= 67 \times 8 + \sqrt{9}.$	$2523 := 1 + 2 + (-3 + 4!) \times 5!$	$= (6 + 7!)/(8 - (\sqrt{9})!).$
$543 := -1 + 2^{3!} + 4 \times 5!$	$= (-6! + 7!)/8 + \sqrt{9}.$	$2526 := (1 + 2) \times (3!! + \sqrt{4} + 5!)$	$= 6 + 7!/(8 - (\sqrt{9})!).$
$560 := (1 + 2 \times 3)!/(4 + 5)$	$= (6 - 7 + 8)!/9.$	$2832 := (-12 + 3!!) \times 4$	$= (\sqrt{5^6} - 7) \times 8 \times \sqrt{9}.$
$575 := -1 + (-2 + 3!)! \times 4!$	$= 56 + 7 + 8^{\sqrt{9}}.$	$3060 := -12 + 3 \times 4^5$	$= 6 \times 7!/8 - (\sqrt{9})!!.$
$621 := -123 + (4 + 5!) \times 6$	$= 7!/8 - 9.$	$3456 := 12^3 \times \sqrt{4}$	$= (56 \times 7 - 8) \times 9.$
$626 := 1 + (2 + 3)^4$	$= 5 + 6! \times 7/8 - 9.$	$3584 := -1 \times 2 + (3!! - 4) \times 5 + 6$	$= 7 \times 8^{\sqrt{9}}.$
$627 := 1 \times 23 + 4 - 5! + 6!$	$= 7!/8 - \sqrt{9}.$	$3726 := (1 + 2)! + (3!! + 4!) \times 5$	$= 6 \times (7!/8 - 9).$
$633 := 1 + 2^{\sqrt{3^4}} + 5!$	$= 6! - 78 - 9.$	$3744 := (1 + 2)! \times (3!! + 4! - 5!)$	$= 6 \times (7!/8 - (\sqrt{9})!).$
$638 := (-1 + 23) \times (4! + 5)$	$= 6! + 7 - 89.$	$3969 := (1 - 2^{3!})^{\sqrt{4}}$	$= (56 + 7)^{8 - (\sqrt{9})!}.$
$650 := 1 + 23^{\sqrt{4}} + 5!$	$= 6! - 7!/(8 \times 9).$	$4050 := (1 + 2)! \times (3!! - 45)$	$= (6! + 7!/8) \times \sqrt{9}.$
$655 := -1 - 2^{3!} + (\sqrt{4 + 5})!!$	$= ((6! + 7) - (8 \times 9)).$	$4068 := -12 + 34 \times 5!$	$= 678 \times (\sqrt{9})!.$
$671 := -1 + 23 \times 4! + 5!$	$= 6! - 7^{8 - (\sqrt{9})!}.$	$4225 := (1 + 2^{3!})^{\sqrt{4}}$	$= (5 \times (6 + 7))^{8 - (\sqrt{9})!}.$
$673 := 1 + 23 \times 4! + 5!$	$= 6! - 7 \times 8 + 9.$	$4528 := (-1 + (2 + 3)!) \times (\sqrt{4})^5 + 6!$	$= 7! - 8^{\sqrt{9}}.$
$731 := (1 + 2)^{3!} + \sqrt{4}$	$= 5 + 6! + 7 + 8 - 9.$	$4824 := -(1 + 2)!^3 + (\sqrt{4} + 5)!$	$= 67 \times 8 \times 9.$
$736 := 12 + 3!! + 4$	$= 5! - (6 + 7) \times 8 + (\sqrt{9})!!.$	$4860 := 12 \times 3^4 \times 5$	$= (-6! + 7!)/8 \times 9.$
$745 := 1 + (2 \times 3)! + 4!$	$= 5 \times (6 + 7 - 8) + (\sqrt{9})!!.$		

$$\begin{aligned}
5724 &:= 12 \times (-3 + 4 \times 5!) &= (6 + 7!/8) \times 9. \\
5747 &:= -1 - 2 \times (3! - 4! \times 5!) &= -6 - 7 + 8 \times (\sqrt{9})!. \\
5764 &:= (1 + 2 \times 3!) \times 4 &= 5 + 6! + 7! + 8 - 9. \\
6048 &:= (-1 + 2^{3!}) \times (-4! + 5!) &= 6 \times 7!/(8 - \sqrt{9}). \\
8040 &:= (-1 + 2 \times 34) \times 5! &= 67 \times (8 - \sqrt{9})!. \\
8100 &:= 12 \times (3!! - 45) &= (6! + 7!/8) \times (\sqrt{9})!. \\
9360 &:= (-1 - 2 + 3^4) \times 5! &= 6! \times 78/(\sqrt{9})!. \\
14161 &:= (1 - (2 + 3)!)^{\sqrt{4}} &= (5! + 6! - 7) \times (8 + 9). \\
14641 &:= (1 - 2 \times 3!)^4 &= (5! - 6 + 7)^{8 - (\sqrt{9})!}. \\
15129 &:= 123^{\sqrt{4}} &= (5 + 6 + 7! - 8) \times \sqrt{9}. \\
16527 &:= (1 + 2)!! + (3 + 4)^5 &= 6! + 7^{8 - \sqrt{9}}. \\
16813 &:= (1 + 2)! + (3 + 4)^5 &= 6 + 7^{8 - \sqrt{9}}. \\
16992 &:= (-12 + 3!!) \times 4! &= (-5 + 6! - 7) \times 8 \times \sqrt{9}. \\
17527 &:= (1 + 2)!! + (3 + 4)^5 &= 6! + 7^{8 - \sqrt{9}}. \\
19440 &:= (1 + 2)!! \times (3 + 4!) &= (5! + 6 \times 7) \times (8 - \sqrt{9})!. \\
35280 &:= (-1 + 2^3) \times (\sqrt{4} + 5)! &= 6 - 7! + 8! - \sqrt{9}!. \\
36000 &:= (1 + 2)!! \times (3! + 4) \times 5 &= 6! \times (7 \times 8 - \sqrt{9}). \\
36720 &:= (1 + 2)!! \times (3! + 45) &= 6! - 7! + 8! + (\sqrt{9})!. \\
39327 &:= 1 \times (2^3)! + \sqrt{4} + 5 &= 6! + 7 + 8! - (\sqrt{9})!. \\
57120 &:= (-1 + (2 + 3)!) \times 4 \times 5! &= 6 \times (7! + 8!/9). \\
59040 &:= ((123 \times 4) \times (5!)) &= 6! \times (-7 + 89). \\
63360 &:= (-1 + 23) \times 4! \times 5! &= (6! + 7!) \times (8 + \sqrt{9}). \\
69120 &:= 1 \times (2 \times 3)! \times (-4! + 5!) &= 6! \times (7 + 89). \\
69840 &:= (1 + 2)!! + 3!! \times (-4! + 5!) &= 6 \times 7! + 8! - (\sqrt{9})!. \\
103680 &:= (1 + 2)!! \times 3! \times 4! &= (-5! \times 6 + 7!) \times 8 \times \sqrt{9}. \\
139968 &:= (1 + 2) \times 3!^{(\sqrt{4+5})!} &= 6^7/(8 - (\sqrt{9})!). \\
168480 &:= (1 + 2)!! \times (-3! + \sqrt{4} \times 5!) &= 6! \times 78 \times \sqrt{9}. \\
207360 &:= 12^3 \times 4! \times 5 &= (-6! + 7!) \times 8 \times (\sqrt{9})!. \\
241914 &:= (-1 + (2^3)!) \times (\sqrt{4 + 5})! &= 6 \times 7! \times 8 - (\sqrt{9})!. \\
518403 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + (7! - 6!) \times 5! &= 4 + 3!!^2 - 1. \\
518405 &:= -\sqrt{9} + 8 + (7! - 6!) \times 5! &= 4 + 3!!^2 + 1. \\
519840 &:= (\sqrt{9!/8!})! \times (7 + 6! - 5) &= (\sqrt{4} + 3!!) \times (2 + 1)!. \\
524288 &:= (-\sqrt{9})! + 8)^{7 + \sqrt{6!/5}} &= \sqrt{4^{3!!/2+1}}. \\
588245 &:= (-\sqrt{9} + 8) \times 7^6 &= 5 \times (4 + 3)^{(2+1)!}. \\
635040 &:= \sqrt{9} \times (8! - 7!) \times 6 &= (5 + \sqrt{4})! \times 3! \times 21. \\
725758 &:= (\sqrt{9})! - 8 + 7! \times 6!/5 &= \sqrt{4} \times ((3^2) - 1). \\
725759 &:= -9 + 8 + 7! \times 6!/5 &= \sqrt{4} \times (3^2)! - 1. \\
725761 &:= 9 - 8 + 7! \times 6!/5 &= \sqrt{4} \times (3^2)! + 1. \\
725762 &:= -(\sqrt{9})! + 8 + 7! \times 6!/5 &= \sqrt{4} \times ((3^2) + 1). \\
846720 &:= \sqrt{9} \times 8! \times 7 &= 6! \times (5! - 4^3) \times 21. \\
967680 &:= \sqrt{9} \times 8! \times (7 + 6 - 5) &= 4! \times (3^2 - 1)!.
\end{aligned}$$

## 6.2. Decreasing orders from 9 to 1.

$$\begin{aligned}
0 &:= 9 - 8 - 7 + 6 &= (5 - 4)^{32} - 1. \\
19 &:= 9 - 8 + 7 + 6 + 5 &= 4 - 3! + 21. \\
21 &:= (\sqrt{9})! + 8 + 7 &= 65 - 43 - 2 + 1. \\
31 &:= 98 - 76 + 5 + 4 &= 32 - 1. \\
32 &:= \sqrt{9 \times (87 - 6)} + 5 &= 4^3/2 \times 1. \\
41 &:= -9 + 8 + 7 \times 6 &= 5 + 4 + 32 \times 1. \\
58 &:= (9 - 8) \times (-7 + 65) &= 4^3 - (2 + 1)!. \\
61 &:= 98 - 7 \times 6 + 5 &= 4^3 - 2 - 1. \\
70 &:= -(\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}})! + 76 &= 5 + 4^3 + 2 - 1. \\
73 &:= 9 - 8 + 7 + 65 &= 4! \times 3 + 2 - 1. \\
76 &:= (9 - 8) \times 76 &= (-5 + 43) \times 2 \times 1. \\
79 &:= 9 \times 8 + 7 &= 65 - 4 - 3 + 21. \\
86 &:= 9 \times \sqrt{87 - 6} + 5 &= 43 \times 2 \times 1. \\
94 &:= \sqrt{\sqrt{9^8}} + 7 + 6 &= -5^4 + (3 \times 2)! - 1. \\
103 &:= (\sqrt{9})!!/8 + 7 + 6 &= (54 - 3) \times 2 + 1. \\
107 &:= \sqrt{9} + 8 \times (7 + 6) &= 5! + \sqrt{4} + 3! - 21. \\
118 &:= 9 + 8 \times (7 + 6) + 5 &= (\sqrt{4} + 3)! - 2 \times 1. \\
130 &:= 9 + (8 - 7)^6 + 5! &= 4 + 3! \times 21. \\
135 &:= 9 \times (8 + 7) &= 6 + 5 + 4 \times (32 - 1). \\
140 &:= 98 + 7 \times 6 &= 5! + 4 \times (3 \times 2 - 1). \\
146 &:= -(\sqrt{9})! + 87 + 65 &= 4! \times 3! + 2 \times 1. \\
147 &:= \sqrt{9} \times (8! - 7!)/6! &= 5! - 4 + 32 - 1. \\
148 &:= 9 \times 8 + 76 &= 5! - 4 + 32 \times 1. \\
152 &:= -(\sqrt{9})! + 8) \times 76 &= 5 + (4 + 3) \times 21. \\
153 &:= -\sqrt{\sqrt{9^8}} \times 7 + 6! &= (54 - 3) \times (2 + 1). \\
189 &:= 9 \times (8 + 7 + 6) &= (5 - \sqrt{4}) \times 3 \times 21. \\
192 &:= -9 + 87 - 6 + 5! &= 4^3 \times (2 + 1). \\
196 &:= (-\sqrt{9} + 8)! + 76 &= 5 + 4! \times (3! + 2) - 1. \\
199 &:= \sqrt{-(\sqrt{9})!! + 8! + 7 - 6} &= -5! - \sqrt{4} + 321. \\
213 &:= \sqrt{9} + 8! + 7 \times 6! &= 5 \times 43 - 2 \times 1. \\
216 &:= -(\sqrt{9})! + 8 + 7 \times 6 \times 5 + 4 &= 3!^{2+1}. \\
217 &:= 98 - 7 + 6 + 5! &= 4! \times 3^2 + 1. \\
218 &:= 98 \times (7 - 6) + 5! &= \sqrt{4} + 3!^{2+1}. \\
228 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times 76 &= (-5 + 43) \times (2 + 1)!. \\
232 &:= (\sqrt{9})!! - 8 \times 76 + 5! &= (-4! + 3!!)/(2 + 1). \\
243 &:= \sqrt{9} \times (87 - 6) &= 5! + (\sqrt{4} + 3)! + 2 + 1. \\
248 &:= \sqrt{9} \times (87 - 6) + 5 &= (4! + 3!!)/(2 + 1). \\
261 &:= \sqrt{9} \times 87 &= 6 \times 54 - 3 \times 21. \\
264 &:= (9 + 8 + 7) \times 6 + 5! &= 4! \times (3! \times 2 - 1). \\
279 &:= \sqrt{9} \times (87 + 6) &= (5 + 4) \times (32 - 1). \\
321 &:= \sqrt{9} \times (8 \times (7 + 6) - 5) + 4! &= 321. \\
323 &:= (-\sqrt{9} + 8 \times 7) \times 6 + 5 &= \sqrt{4} + 321.
\end{aligned}$$

$$\begin{aligned}
 325 &:= (-\sqrt{9} - 8 + 76) \times 5 &= 4 + 321. \\
 327 &:= -9 + 8 \times 7 \times 6 &= (5! - 4) \times 3 - 21. \\
 336 &:= (\sqrt{9})! \times 8 \times 7! / 6! &= (-5 + 4! - 3) \times 21. \\
 347 &:= (\sqrt{9})! \times 8 \times 7 + 6 + 5 &= (-4! + 3!!) / 2 - 1. \\
 349 &:= 9 + (-8 + 76) \times 5 &= (-4! + 3!!) / 2 + 1. \\
 353 &:= -9 - 8 + 76 \times 5 &= 4 + 3! / 2 - 1. \\
 358 &:= (\sqrt{9})! \times 8 \times (-76 + 5!) &= (-4 + 3!!) / 2 \times 1. \\
 361 &:= 9 + (87 + 6 - 5) \times 4 &= 3! / 2 + 1. \\
 364 &:= ((\sqrt{9})!! + 8) / (7! / 6! - 5) &= 4 + 3! / 2 \times 1. \\
 365 &:= (9 \times 8 + 7 - 6) \times 5 &= 4 + 3! / 2 + 1. \\
 371 &:= -\sqrt{\sqrt{\sqrt{9^8}} + 76} \times 5 &= (4! + 3!!) / 2 - 1. \\
 372 &:= ((\sqrt{9})! + 8 \times 7) \times 6 &= (5! + 4) \times 3 \times (2 - 1). \\
 380 &:= (-\sqrt{9} + 8) \times 76 &= 5 \times 4 + 3! / 2 \times 1. \\
 383 &:= -9 \times 8 + 7 \times 65 &= 4! + 3! / 2 - 1. \\
 385 &:= (9 - 8 + 76) \times 5 &= 4! + 3! / 2 + 1. \\
 431 &:= \sqrt{9 - 8 + 7!} \times 6 + 5 &= 432 - 1. \\
 433 &:= 9 - 8 \times (7 - \sqrt{6! \times 5}) &= 432 + 1. \\
 440 &:= (\sqrt{9} + 8) \times 7! / (6 + 5!) &= (4! - 3)^2 - 1. \\
 441 &:= 9 \times (8! - 7!) / 6! &= 5 \times 4! + 321. \\
 444 &:= \left( \sqrt{\sqrt{9^8} - 7} \right) \times 6 &= 5! + (-4! + 3!)^2 \times 1. \\
 456 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! \times 76 &= 5! \times 4 - 3 - 21. \\
 480 &:= (9 + 8 - 7 - 6) \times 5! &= 4 \times (3 + 2)! \times 1. \\
 484 &:= -(\sqrt{9} + 8) \times (76 - 5!) &= 4 \times ((3 + 2)! + 1). \\
 507 &:= -\sqrt{9 + 8! + 7!} + 6! &= 5! \times 4 + 3! + 21. \\
 510 &:= 9 \times 8 \times 7 + 6 &= 5 \times (-4! + 3! \times 21). \\
 522 &:= (\sqrt{9})! \times 87 &= (6 + 5!) \times 4 - 3 + 21. \\
 528 &:= (\sqrt{9})! + 87 \times 6 &= (5 \times 4 + 3)^2 - 1. \\
 540 &:= (\sqrt{9} + 87) \times 6 &= 543 - 2 - 1. \\
 546 &:= (98 - 7) \times 6 &= 543 + 2 + 1. \\
 558 &:= 9 \times (8 \times 7 + 6) &= (5! - 4! - 3) \times (2 + 1)!. \\
 567 &:= -9 + 8 \times (7 + 65) &= (4! + 3) \times 21. \\
 576 &:= (9 + 87) \times 6 &= (5! - 4!) \times (3 + 2 + 1). \\
 592 &:= ((\sqrt{9})! - 8)^7 + 6! &= 5^4 - 32 - 1. \\
 593 &:= -(-\sqrt{9} + 8)! - 7 + 6! &= 5^4 - 32 \times 1. \\
 599 &:= -9 + 8 \times 76 &= 5 \times 4! \times (3 + 2) - 1. \\
 601 &:= -(9 + 8) \times 7 + 6! &= 5^4 - 3 - 21. \\
 605 &:= -\sqrt{9} + 8 \times 76 &= 5 \times (4! \times (3 + 2) + 1). \\
 607 &:= -(-\sqrt{9} + 8)! + 7 + 6! &= 5^4 + 3 - 21. \\
 614 &:= (\sqrt{9})! + 8 \times 76 &= 5^4 - 3! \times 2 + 1. \\
 615 &:= -98 - 7 + 6! &= 5^4 - 3^2 - 1. \\
 617 &:= 9 + 8 \times 76 &= 5^4 - 3^2 + 1. \\
 622 &:= (-\sqrt{9})! - 8 \times 7 + 6! &= 5^4 - 3! + 2 + 1. \\
 632 &:= -\sqrt{\sqrt{9^8}} - 7 + 6! &= 5^4 + 3! + 2 - 1. \\
 637 &:= -(\sqrt{9})!! / 8 + 7 + 6! &= -5 + \sqrt{4} \times 321. \\
 642 &:= 9 - 87 + 6 \times 5! &= \sqrt{4} \times 321. \\
 643 &:= -(\sqrt{9} + 8) \times 7 + 6! &= 5^4 - 3 + 21. \\
 646 &:= -\sqrt{\sqrt{9^8}} + 7 + 6! &= 5^{4! / 3!} + 21. \\
 658 &:= -(\sqrt{9})! - 8 \times 7 + 6! &= 5^4 + 32 + 1. \\
 661 &:= -\sqrt{9} - 8 \times 7 + 6! &= 5^4 + 3!^2 \times 1. \\
 675 &:= -\sqrt{9} \times (8 + 7) + 6! &= \sqrt{5^4} \times 3^{2+1}. \\
 686 &:= 98 \times 7 &= 6 + 5 - 4! + 3!! - 21. \\
 689 &:= -1 + 2 \times 345 &= 6! - 7 - 8 \times \sqrt{9}. \\
 695 &:= (\sqrt{9})!! + (8 - 7 - 6) \times 5 &= -4! + (3 \times 2)! - 1. \\
 696 &:= -9 - 8 - 7 + 6! &= (5 + 4!) \times (3 + 21). \\
 699 &:= (\sqrt{9})! - 8 \times 7 + 6! + 5 + 4! &= 3!! - 21. \\
 704 &:= -\sqrt{\sqrt{\sqrt{9^8}} - 7} + 6! &= 5 + (\sqrt{4} \times 3)! - 21. \\
 706 &:= -98 / 7 + 6! &= 5 + \sqrt{4} + 3!! - 21. \\
 713 &:= -(9 - 8) \times 7 + 6! &= 5 - 4 \times 3 + (2 + 1)!!. \\
 714 &:= 9 \times 87 - 65 - 4 &= 3!! - (2 + 1)!. \\
 725 &:= (9 - 8)^7 \times (6! + 5) &= 4 + (3 \times 2)! + 1. \\
 725 &:= (\sqrt{9})!! - 8 + 7 + 6 &= 5 \times ((4 \times 3)^2 + 1). \\
 728 &:= 9 - 8 + 7 + 6! &= 5 + 4 + (3 \times 2)! - 1. \\
 737 &:= \sqrt{9} \times 8 - 7 + 6! &= 5 + 4 \times 3 + (2 + 1)!!. \\
 759 &:= -\sqrt{\sqrt{9^8}} + 7! / 6 &= 5! / 4 + 3^{(2+1)!}. \\
 763 &:= (\sqrt{9})! - 8 + 765 &= 43 + (2 + 1)!!. \\
 768 &:= -9 \times 8! / 7! + 6! + 5! &= 4! \times 32 \times 1. \\
 768 &:= -9 \times 8 + 7! / 6 &= (5! - 4!) \times (3^2 - 1). \\
 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 &:= (\sqrt{9})!! + 8 \times 7 &= 6! + 54 + 3 - 2 + 1. \\
 777 &:= 9 \times 87 - 6 &= 54 + 3!! + 2 + 1. \\
 783 &:= 9 \times 87 &= 6! \times (5 - 4) + 3 \times 21. \\
 784 &:= 9 \times 87 + 6 - 5 &= 4^3 + (2 + 1)!!. \\
 797 &:= -9 + 87 + 6! &= 5 + 4! \times (32 + 1). \\
 799 &:= 9 \times 8 + 7 + 6! &= \sqrt{5^4} \times 32 - 1. \\
 807 &:= (\sqrt{9})!! + 87 &= 6 \times 5 \times (4! + 3) - 2 - 1. \\
 810 &:= 98 - 7 + 6! &= 54 \times (-3! + 21). \\
 813 &:= (\sqrt{9})! + 87 + 6! &= 5! - 4! + 3!! - 2 - 1. \\
 817 &:= (\sqrt{9})!! / 8 + 7 + 6! &= 5! - 4! + (3 \times 2)! + 1. \\
 820 &:= -(-\sqrt{9} + 8)! + 7! / 6 &= (-5! + (4 + 3)! / (2 + 1))!. \\
 823 &:= -9 - 8 + 7! / 6 &= 5! + 4 + 3!! - 21. \\
 826 &:= -(\sqrt{9})! - 8 + 7! / 6 &= (5! - \sqrt{4}) \times (3 \times 2 + 1). \\
 828 &:= (-9 \times 8 + 7!) / 6 &= 5! - 4 \times 3 + (2 + 1)!!. \\
 832 &:= (-\sqrt{9})! \times 8 + 7! / 6 &= 5! - (\sqrt{4}) + 3!! - (2 + 1)!.
 \end{aligned}$$

$$\begin{aligned}
835 &:= \sqrt{9} - 8 + 7!/6 &= 5! - 4 + (3 \times 2)! - 1. \\
836 &:= (\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. \\
841 &:= 9 - 8 + 7!/6 &= 5! \times (4 + 3) + 2 - 1. \\
842 &:= -(\sqrt{9})! + 8 + 7!/6 &= 5! + (\sqrt{4} \times 3)! + 2 \times 1. \\
843 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7!/6 &= 5! + 4 + (3 \times 2)! - 1. \\
845 &:= -\sqrt{9} + 8 + 7!/6 &= 5! + 4 + (3 \times 2)! + 1. \\
848 &:= (-\sqrt{9})! + 8^7 + 6! &= 5! + \sqrt{4} + 3!! + (2 + 1)!. \\
863 &:= 98 + 765 &= 4! \times 3!^2 - 1. \\
865 &:= ((-\sqrt{9} + 8)! + 7!)/6 + 5 &= 4! \times 3!^2 + 1. \\
867 &:= -9 + 876 &= 5! + 4! + 3!! + 2 + 1. \\
870 &:= -(\sqrt{9})! + 876 &= 5 + 4! \times 3!^2 + 1. \\
873 &:= -\sqrt{9} + 876 &= 5! + 4! + 3^{(2+1)!}. \\
899 &:= 9 + 8 + 7 \times (6 + 5!) &= (4! + 3!)^2 - 1. \\
901 &:= (9 + 8) \times (-7 + \sqrt{6! \times 5}) &= (4! + 3!)^2 + 1. \\
930 &:= (\sqrt{9})!!/8 + 7!/6 &= 5!/4 \times (32 - 1). \\
936 &:= 9 \times 8 \times (7 + 6) &= (5 - \sqrt{4})!^3 + (2 + 1)!. \\
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. \\
987 &:= 987 &= 6! - 54 + 321. \\
1242 &:= (\sqrt{9})!! + 87 \times 6 &= 54 \times ((3! - 2)! - 1). \\
1392 &:= \sqrt{9} \times 8 \times (-7 + 65) &= (-4! + 3!!) \times 2 \times 1. \\
1416 &:= -\sqrt{9} \times 8 + 7! - 6! \times 5 &= -4! + 3!! \times 2 \times 1. \\
1426 &:= (-\sqrt{9})! + 8 \times (-7 + 6!) &= (-5 - \sqrt{4} + 3!!) \times 2 \times 1. \\
1428 &:= (9 + 8) \times 7 \times \sqrt{6!/5} &= \sqrt{4} \times (3!! - (2 + 1)!). \\
1433 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! - 7 + (6!/5)! &= (-4 + 3!!) \times 2 + 1. \\
1436 &:= (-\sqrt{9})! + 8 \times (-7 + 6! + 5) &= 4 \times (3!!/2 - 1). \\
1437 &:= (\sqrt{9})!! - 8!/7! + 6! + 5 + 4 &= 3!! \times 2 + 1. \\
1438 &:= (\sqrt{9})! - 8 + 7! - 6! \times 5 &= \sqrt{4} \times ((3 \times 2)! - 1). \\
1445 &:= (\sqrt{9})!! + (8 - 7) \times (6! + 5) &= 4 + 3!! \times 2 + 1. \\
1447 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 + 6! &= (5 - \sqrt{4} + 3!!) \times 2 + 1. \\
1449 &:= (-\sqrt{9})! + 8 \times (7 + 6!) &= 5 + (4 + 3!!) \times 2 + 1. \\
1461 &:= \sqrt{9^8} - 7! - \sqrt{6! \times 5} &= \sqrt{4} \times 3!! + 21. \\
1482 &:= \left( \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 \right) \times (-6 + 5!) &= \sqrt{4} \times (3!! + 21). \\
1552 &:= (\sqrt{9})!! - 8 + 7!/6 &= 5! + (-4 + 3!!) \times 2 \times 1. \\
1707 &:= 987 + 6! &= \sqrt{(5! + 4!)^3} - 21. \\
1824 &:= \sqrt{9} \times 8 \times 76 &= (5! - 4!) \times \sqrt{3!!/2 + 1}. \\
1848 &:= \sqrt{9} \times 8 \times 7 \times (6 + 5) &= 43^2 - 1. \\
1920 &:= (9 + 8 - 7 + 6) \times 5! &= (\sqrt{4^3})!/21. \\
2048 &:= (\sqrt{9} - 8 + 7)^{6+5} &= 4^3!/2 \times 1. \\
2139 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times (-7 + 6!) &= \sqrt{5 + 4} \times 3!! - 21. \\
2156 &:= (\sqrt{9} + 8) \times (76 + 5!) &= -4 + 3!! \times (2 + 1). \\
2166 &:= (\sqrt{9})! + 8!/7 - 6! \times 5 &= (\sqrt{4} + 3!!) \times (2 + 1). \\
2187 &:= (\sqrt{9})^{8-7+6} &= (5 + 4)^3 \times (2 + 1). \\
2205 &:= \sqrt{9} \times (8 + 7 + 6!) &= 5 \times (4! - 3) \times 21. \\
2516 &:= \sqrt{9} \times (-8 + 7!)/6 &= ((5 + \sqrt{4})! - 3!)/2 - 1. \\
2521 &:= \sqrt{9} \times (-8 + 7!)/6 + 5 &= (4 + 3!)/2 + 1. \\
2524 &:= \sqrt{9} \times (8 + 7!)/6 &= 5 + (4 + 3!)/2 - 1. \\
2871 &:= \sqrt{9} \times 87 \times (6 + 5) &= 4 \times (3!! - 2) - 1. \\
2872 &:= -(\sqrt{9})!! - 8!/7! + 6! \times 5 &= 4 \times (3!! - 2 \times 1). \\
2873 &:= - \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! - 7 + 6! \times 5 &= 4 \times (3!! - 2) + 1. \\
2874 &:= -(\sqrt{9})! + 8!/(\sqrt{76 + 5!}) &= 4 \times 3!! - (2 + 1)!. \\
2877 &:= -\sqrt{9} + 8!/(\sqrt{76 + 5!}) &= 4 \times 3!! - 2 - 1. \\
2887 &:= - \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 + 6! \times 5 &= 4 \times (3!! + 2) - 1. \\
2888 &:= -(\sqrt{9})!! + 8!/7! + 6! \times 5 &= 4 \times (3!! + 2) \times 1. \\
2916 &:= (\sqrt{\sqrt{9^8}}) \times (7! - 6!)/5! &= 4 \times 3^{(2+1)!}. \\
3132 &:= (\sqrt{9})! \times 87 \times 6 &= (5! - 4) \times (3! + 21). \\
3376 &:= -(\sqrt{9})!! + 8^{(-7+6+5)} &= 4^3! - (2 + 1)!. \\
3592 &:= -(\sqrt{9})!! - 8 + 7! - 6! &= 5 \times (-\sqrt{4} + 3!!) + 2 \times 1. \\
3600 &:= (9 - 8)^7 \times 6! \times 5 &= (\sqrt{4} + 3) \times (2 + 1)!. \\
3608 &:= -(\sqrt{9})!! + 8 + 7! - 6! &= 5 \times (\sqrt{4} + 3!!) - 2 \times 1. \\
4090 &:= (((\sqrt{9})! + 8) \times 7 + 6!) \times 5 &= 4^3! - (2 + 1)!. \\
4093 &:= -\sqrt{9} + 8^{(-7+6+5)} &= 4^3! - 2 - 1. \\
4096 &:= (\sqrt{9} + 8 - 7)^6 &= (-5 + 4! - 3)^{2+1}. \\
4099 &:= \sqrt{9} + 8^{(-7+6+5)} &= 4^3! + 2 + 1. \\
4176 &:= 9 \times 8 \times (-7 + 65) &= (-4! + 3!!) \times (2 + 1)!. \\
4200 &:= (-\sqrt{9} + 8) \times 7!/6 &= 5! \times (4 + 32 - 1). \\
4222 &:= -98 + 7! &= 6! + 5! + 4^3! + (2 + 1)!. \\
4248 &:= -9 \times 8 + 7! &= 6! + (5! - \sqrt{4}) \times 3!^2 \times 1. \\
4278 &:= \left( \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! - 7 \right) \times 6 &= (-5 - \sqrt{4} + 3!!) \times (2 + 1)!. \\
4321 &:= (\sqrt{9})!! + 8 - 7 + 6! \times 5 &= 4321. \\
4322 &:= -\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7! - 6! + 5 &= \sqrt{4} + 3! \times (2 + 1)!. \\
4942 &:= -98 + 7! &= 6 + 5! + 4^3! + (2 + 1)!. \\
4950 &:= -(\sqrt{9})!!/8 + 7! &= 6 - 5! + 4! + (3 \times 2 + 1)!. \\
4984 &:= ((\sqrt{9})!! - 8) \times 7 &= (6! - 5) \times (4 + 3) - 21. \\
4986 &:= -(\sqrt{9})! \times 8 + 7! &= 6 - 54 + (3 \times 2 + 1)!. \\
5019 &:= -\sqrt{\sqrt{9^8}} + 7! + \sqrt{6! \times 5} &= (4 + 3)! - 21.
\end{aligned}$$



$$\begin{aligned}
 5020 &:= -(\sqrt{9})! - 8 + 7! - 6 + 5 \times 4 = (3 \times 2 + 1)!. \\
 5031 &:= -9 + (8 - 7 + 6)! &= (5 + \sqrt{4})! - 3! - 2 - 1. \\
 5047 &:= 9 - 8 + 7! + 6 &= 5 + (4 + 3)! + 2 \times 1. \\
 5054 &:= (\sqrt{9})! + 8 + 7! &= (6! + 5) \times (4 + 3) - 2!. \\
 5055 &:= \sqrt{\sqrt{\sqrt{9^8}} + 7!} + 6 &= (5 + \sqrt{4})! - 3! + 2!. \\
 5063 &:= 9 + 8 + 7! + 6 &= (5 + \sqrt{4})! + (3! - 2)! - 1. \\
 5112 &:= 9 \times 8 + 7! &= (6!/5 - \sqrt{4}) \times 3! \times (2 + 1)!. \\
 5121 &:= \sqrt{\sqrt{9^8}} + 7! &= 6 + 5 \times (4^{3+2} - 1). \\
 5130 &:= (\sqrt{9})!/8 + 7! &= (-6 + 5!) \times (43 + 2) \times 1. \\
 5136 &:= (\sqrt{9})!/8 + 7! + 6 &= 5! - 4! + (3 \times 2 + 1)!. \\
 5183 &:= 9 + 8 + 7! + 6 + 5! &= (4! \times 3)^2 - 1. \\
 5185 &:= 9 - 8 + 7! + 6!/5 &= (4! \times 3)^2 + 1. \\
 5751 &:= -9 + 8!/7 &= (6! \times 5 - 4 - 3!) \times 2 - 1. \\
 5754 &:= -(\sqrt{9})! + 8!/7 &= 6 + (5! \times 4! - 3!) \times 2 \times 1. \\
 5757 &:= -9 + 8!/7 + 6 &= (5 + \sqrt{4})! + 3!! - 2 - 1. \\
 5763 &:= \sqrt{9} + 8!/7 &= 6! + 5 - \sqrt{4} + (3 \times 2 + 1)!. \\
 5766 &:= (\sqrt{9})! + 8!/7 &= 6! + 5 + (4 + 3)! + 2 - 1. \\
 5879 &:= -(\sqrt{9})! + 8! - 7!/6 &= 5! + 4 \times 3!! \times 2 - 1. \\
 5881 &:= ((\sqrt{9})! + 8! - 7!)/6 &= 5! + 4 \times 3!! \times 2 + 1. \\
 6000 &:= ((\sqrt{9})!/8 + 7!)/6 &= 5! \times ((4 + 3)^2 + 1). \\
 6477 &:= -\sqrt{9} + 8!/7 + 6! &= (5 + 4) \times 3!! - 2 - 1. \\
 6560 &:= \sqrt{9^8} - 7 + 6 &= (5 + 4)^{3!-2} - 1. \\
 6561 &:= \sqrt{9^8} &= 7! + ((6 + 5 - 4!) \times 3)^2 \times 1. \\
 6562 &:= \sqrt{9^8} + 7 - 6 &= (5 + 4)^{3!-2} + 1. \\
 6568 &:= \sqrt{9^8} + 7 &= 6 + (5 + 4)^{3!-2} + 1. \\
 6600 &:= -(\sqrt{9})!/8 + 8 \times 7!/6 &= 5! \times (4! + 32 - 1). \\
 6719 &:= -(\sqrt{9})! + 8 \times 7!/6 &= 5! \times (4! + 32) - 1. \\
 6720 &:= (9 - 8 + 7!)/6 &= 5 \times 4^3 \times 2!. \\
 6840 &:= (\sqrt{9})!/8 \times 7 &= (5!^{\sqrt{4}} - 3!)/2 \times 1. \\
 7440 &:= (\sqrt{9})!/8 + 8 \times 7!/6 &= 5! \times (4^3 - 2) \times 1. \\
 7559 &:= -(\sqrt{9})! + 8! + 7!/6 &= (5!^{\sqrt{4}} + 3!)/2 - 1. \\
 7704 &:= 9 \times 8 \times (-7 - 6 + 5!) &= 4! \times 32!. \\
 7776 &:= (\sqrt{9})!^{(-8+7+6)} &= (5 - \sqrt{4})!^{3+2} \times 1. \\
 7997 &:= (\sqrt{9} + 8) \times (7 + 6!) &= (5 \times 4)^3 - 2 - 1. \\
 8192 &:= -(\sqrt{9})! + 8)^{7+6!/5!} &= 4^{3!} \times 2 \times 1. \\
 8280 &:= (\sqrt{9})!/8 + (8! + 7!)/6 &= 5! \times (4! \times 3 - 2 - 1). \\
 8616 &:= (\sqrt{9})!/8 + (8! - 7!/6)/5 &= 4! \times (3!/2 - 1). \\
 8639 &:= -9 + 8 + 7! + 6! \times 5 &= 4! \times 3!/2 - 1. \\
 8641 &:= 9 - 8 + 7! + 6! \times 5 &= 4! \times 3!/2 + 1. \\
 9120 &:= (-\sqrt{9} + 8!) \times 7 &= 5! \times 4 \times \sqrt{3!/2 + 1}. \\
 9240 &:= (\sqrt{9} + 8) \times (7!/6) &= 5 \times (43^2 - 1). \\
 9261 &:= ((\sqrt{9})!/8 - 8) \times (7 + 6) + 5 &= (4! - 3)^{2+1}. \\
 10086 &:= (\sqrt{9})! + 8! - 7! \times 6 &= 5 + (4 + 3)! \times 2 + 1. \\
 12288 &:= \sqrt{9} \times 8^{(-7+6+5)} &= 4^{3!} \times (2 + 1). \\
 13104 &:= (98 - 7) \times 6!/5 &= 4!^3 - (2 + 1)!. \\
 13824 &:= (9 + 87) \times 6!/5 &= 4!^3 \times (2 - 1). \\
 14280 &:= (9 + 8) \times 7!/6 &= 5! \times (4! \times (3 + 2) - 1). \\
 14544 &:= \sqrt{9} \times (8 + 7!) - 6! + 5! &= 4!^3 + (2 + 1)!. \\
 15078 &:= \sqrt{9} \times (-8 + 7! - 6!/5!) &= (-\sqrt{4} + 3!) \times 2!. \\
 15096 &:= \sqrt{9} \times (-8 + 7!) &= 6 - 5!/4 + 3!! \times 2!. \\
 15138 &:= \sqrt{9} \times (8 + 7!) - 6 &= ((5 + \sqrt{4})! + 3!) \times (2 + 1). \\
 16384 &:= ((\sqrt{9})! - 8)^{\sqrt{76+5!}} &= 4^{3 \times 2 + 1}. \\
 16560 &:= \sqrt{9} \times 8!/7 - 6! &= (5 \times 4 + 3) \times (2 + 1)!. \\
 17262 &:= \sqrt{9} \times (8!/7 - 6) &= (5! \times 4! - 3) \times (2 + 1)!. \\
 17274 &:= \sqrt{9} \times 8!/7 - 6 &= 5! \times 4! \times 3! - (2 + 1)!. \\
 17277 &:= \sqrt{9} \times (8!/7 - 6 + 5) &= 4! \times 3!! - 2 - 1. \\
 17279 &:= \sqrt{9} \times 8!/7 - 6 + 5 &= 4! \times (3 \times 2)! - 1. \\
 17281 &:= \sqrt{9} \times 8!/7 + 6 - 5 &= 4! \times (3 \times 2)! + 1. \\
 17283 &:= \sqrt{9} \times (8!/7 + 6 - 5) &= 4! \times 3!! + 2 + 1. \\
 17328 &:= \sqrt{9} \times 8 \times (7 + 6! - 5) &= 4! \times (3!! + 2 \times 1). \\
 17640 &:= \sqrt{9} \times (8! - 7!)/6 &= 5! \times (4 + 3) \times 2!. \\
 24576 &:= (\sqrt{9})! \times 8^{(-7+6+5)} &= 4^{3!} \times (2 + 1)!. \\
 27000 &:= -\sqrt{9} \times (8 + 7) \times (-6! + 5!) &= (4! + 3!)^{2+1}. \\
 30204 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)! \times (7! - 6) &= ((5 + \sqrt{4})! - 3!) \times (2 + 1)!. \\
 30222 &:= \left( -\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7! \right) \times 6 &= ((5 + \sqrt{4})! - 3) \times (2 + 1)!. \\
 30237 &:= -\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7! \times 6 &= (5 + \sqrt{4})! \times 3! - 2 - 1. \\
 32768 &:= (98/7 - 6)^5 &= (\sqrt{4})! - 3! + 2!. \\
 38160 &:= (-\sqrt{9} + 8 \times 7) \times 6! &= ((54 \times 3!) - (2 + 1)!!). \\
 38880 &:= \sqrt{\sqrt{\sqrt{9^8}}} \times (7! - 6!) &= 54 \times (3 \times 2)! \times 1. \\
 40200 &:= (\sqrt{9})!/8 + 8! - 7!/6 + 5 \times 4! &= (3! + 2)! \times 1. \\
 40237 &:= -(\sqrt{9})!/8 + 8! + 7 + 6! &= 5 + \sqrt{4} + (3! + 2)! \times 1. \\
 40299 &:= -9 + 8 \times 7! - \sqrt{6!/5} &= (\sqrt{4^3})! - 2!. \\
 40317 &:= -\sqrt{9} + 8! &= 7 + 6 + 5 + (4!/3)! - 2!. \\
 40341 &:= -9 + 8 \times 7! + 6 \times 5 &= (\sqrt{4^3})! + 2!. \\
 40344 &:= -(\sqrt{9})! + 8 \times 7! + 6 \times 5 &= 4! + (3^2 - 1)!. \\
 40440 &:= -(\sqrt{9})!/8 + 8! + 7!/6 &= 5! + (\sqrt{4} + 3 \times 2)! \times 1. \\
 41047 &:= (\sqrt{9})!/8 + 8! + 7 &= 6 + (5 - \sqrt{4})! + (3! + 2)! + 1. \\
 41154 &:= -(\sqrt{9})! + 8! + 7!/6 &= (-5 + 4!)^3 \times (2 + 1)!. \\
 41472 &:= (\sqrt{9})! \times 8 \times (7! - 6!/5) &= 4!^3 \times (2 + 1). \\
 41760 &:= (\sqrt{9})!/8 + 8 \times 7! + 6! &= (5! - 4) \times 3!/2 \times 1.
 \end{aligned}$$

$$\begin{aligned}
45351 &:= -9 + 8! + 7! &= (6! + 5!^{\sqrt{4}} - 3) \times (2 + 1). & 211680 &:= (\sqrt{9})! \times (8! - 7!) &= (6! + 5!) \times 4 \times 3 \times 21. \\
45369 &:= 9 + 8! + 7! &= (6^{\sqrt{5+4}} - 3)^2 \times 1. & 235298 &:= -(\sqrt{9})! + 8 \times 7^6 &= (5 + \sqrt{4})^{3!} \times 2 \times 1. \\
46680 &:= (9 \times 8 - 7) \times 6! - 5! &= 4! + (3!)^{(2+1)!}. & 236880 &:= (\sqrt{9})! \times 8! - 7! &= 6! \times (5 \times (4^3 + 2) - 1). \\
47520 &:= (\sqrt{9} + 8) \times (7! - 6!) &= (5!/\sqrt{4} + 3!) \times (2 + 1)!!. & 241200 &:= -(\sqrt{9})!! + 8 \times 7! \times 6 &= (-5! + (\sqrt{4^3})!) \times (2 + 1)!. \\
52920 &:= 9 \times (8! - 7!)/6 &= 5! \times (4! - 3) \times 21. & 241919 &:= (\sqrt{9})! \times 8! - 7 + 6 &= (5 + 4)!/3 \times 2 - 1. \\
54720 &:= (\sqrt{9} + 8) \times 7! - 6! &= 5!^{\sqrt{4}} + (3! + 2)! \times 1. & 241926 &:= (\sqrt{9})! + 8 \times 7! \times 6 &= (5 - \sqrt{4})! \times ((3! + 2)! + 1). \\
59049 &:= 9^{(-8+7+6)} &= (5 + 4)^{3+2 \times 1}. & 241962 &:= (\sqrt{9})! \times (8! + 7) &= 6 \times (5 + \sqrt{4} + (3^2 - 1)!). \\
62640 &:= (\sqrt{9})!! \times 87 &= (-6! + 5!/4 \times 3!!) \times (2 + 1). & 262143 &:= -(\sqrt{9})! + (8!/7!)^6 + 5 &= 4^{(3^2)} - 1. \\
65520 &:= (98 - 7) \times 6! &= (5 + \sqrt{4})! \times (3! \times 2 + 1). & 276480 &:= (9! - 8!)/7 \times 6 &= 5! \times 4!^3/(2 + 1)!. \\
66960 &:= ((\sqrt{9})! + 87) \times 6! &= (5! - 4! - 3) \times (2 + 1)!!. & 277200 &:= -(\sqrt{9})!! + 8! \times 7 &= 6! \times (\sqrt{5^4} + 3!!/2 \times 1). \\
70560 &:= ((\sqrt{9})! + 8) \times 7! &= 6! + (5! - 4!) \times 3!! + (2 + 1)!!. & 287280 &:= ((\sqrt{9})!! + 8!) \times 7 &= (-6 + \sqrt{5^4}) \times 3!! \times 21. \\
77405 &:= (-\sqrt{9} + 8)^7 - 6! &= 5^{(4+3)} - (2 + 1)!!. & 331776 &:= (\sqrt{9} \times 8)^{(-7+6+5)} &= 4!^{(3+2-1)}. \\
78119 &:= (-\sqrt{9} + 8)^7 - 6 &= 5^{(4+3)} - (2 + 1)!. & 349920 &:= \sqrt{\sqrt{9^8}} \times (7! - 6!) &= 5! \times 4 \times 3^{(2+1)!}. \\
78125 &:= (-\sqrt{9} + 8)^{7!/6!} &= 5^{(4+3)} \times (2 - 1). & 362817 &:= 9 \times (8! - 7!/6!) &= (5 + 4)! - 3 \times 21. \\
78131 &:= (-\sqrt{9} + 8)^7 + 6 &= 5^{(4+3)} + (2 + 1)!. & 362873 &:= 9 \times 8! - 7 &= -6 \times 5 + 4! + (3^2)! - 1. \\
78845 &:= (-\sqrt{9} + 8)^7 + 6! &= 5^{(4+3)} + (2 + 1)!!. & 362879 &:= 9! + (8 - 7 - 6) \times 5 + 4! &= (3^2)! - 1. \\
84960 &:= (9 + 8) \times 7! - 6! &= (5! - \sqrt{4}) \times 3!! \times (2 - 1). & 362905 &:= 9! + (-8 + 7 + 6) \times 5 &= 4! + (3^2)! + 1. \\
92160 &:= (-\sqrt{9})! + 8)^7 \times 6! &= 5! \times 4! \times 32 \times 1. & 362943 &:= 9 \times (8! + 7) &= 65 - \sqrt{4} + (3^2)! \times 1. \\
93312 &:= (-\sqrt{9} + 8 + 7) \times 6^5 &= \sqrt{4} \times (3!)^{(2+1)!}. & 468750 &:= (-\sqrt{9} + 8)^7 \times 6 &= 5^{4+3} \times (2 + 1)!. \\
100800 &:= (-\sqrt{9} + 8)! \times 7!/6 &= 5 \times (4!/3!)/2 \times 1. & 493920 &:= 98 \times 7! &= (-6 \times 5 - 4 + 3!!) \times (2 + 1)!!. \\
106560 &:= \sqrt{9} \times (8! - 7!) + 6! &= 5! \times 4! \times (3!^2 + 1). & 513360 &:= \sqrt{9!/8!}!! \times (-7 + 6!) &= (-5 - \sqrt{4} + 3!!) \times (2 + 1)!!. \\
115200 &:= \sqrt{9} \times 8! - 7 \times 6! &= 5! \times 4 \times 3!!/(2 + 1). & 516960 &:= (\sqrt{9!/8!})!! \times (-7 + 6! + 5) &= (-\sqrt{4} + 3!!) \times (2 + 1)!!. \\
115920 &:= \sqrt{9} \times 8! - 7! &= (6! + 5!^{\sqrt{4}}) \times (3^2 + 1). & 518403 &:= \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + (7! - 6!) \times 5! &= 4 + 3!!^2 - 1. \\
116929 &:= -(\sqrt{9!/8!})!! + 7^6 &= (5 + \sqrt{4})^{3!} - (2 + 1)!!. & 518405 &:= -\sqrt{9} + 8 + (7! - 6!) \times 5! &= 4 + 3!!^2 + 1. \\
117643 &:= -(\sqrt{9!/8!})! + 7^6 &= (5 + \sqrt{4})^{3!} - (2 + 1)!. & 519840 &:= (\sqrt{9!/8!})!! \times (7 + 6! - 5) &= (\sqrt{4} + 3!!) \times (2 + 1)!!. \\
117646 &:= -\sqrt{9!/8!} + 7^6 &= (5 + \sqrt{4})^{3!} - 2 - 1. & 524288 &:= (-\sqrt{9})! + 8)^{7+\sqrt{61/5}} &= \sqrt{4^{\sqrt{31/2+1}}}. \\
117647 &:= (\sqrt{9})! - 8 + 7^6 &= (5 + \sqrt{4})^{3!} - 2 \times 1. & 588245 &:= (-\sqrt{9} + 8) \times 7^6 &= 5 \times (4 + 3)^{(2+1)!}. \\
117648 &:= -9 + 8 + 7^6 &= (5 + \sqrt{4})^{3 \times 2} - 1. & 635040 &:= \sqrt{9} \times (8! - 7!) \times 6 &= (5 + \sqrt{4})! \times 3! \times 21. \\
117650 &:= 9 - 8 + 7^6 &= (5 + \sqrt{4})^{3 \times 2} + 1. & 725758 &:= (\sqrt{9})! - 8 + 7! \times 6!/5 &= \sqrt{4} \times ((3^2)! - 1). \\
117651 &:= -(\sqrt{9})! + 8 + 7^6 &= (5 + \sqrt{4})^{3!} + 2 \times 1. & 725759 &:= -9 + 8 + 7! \times 6!/5 &= \sqrt{4} \times (3^2)! - 1. \\
117654 &:= -\sqrt{9} + 8 + 7^6 &= 5 + (4 + 3)^{(2+1)!}. & 725761 &:= 9 - 8 + 7! \times 6!/5 &= \sqrt{4} \times (3^2)! + 1. \\
117769 &:= (-\sqrt{9} + 8)! + 7^6 &= 5! + (4 + 3)^{(2+1)!}. & 725762 &:= -(\sqrt{9})! + 8 + 7! \times 6!/5 &= \sqrt{4} \times ((3^2)! + 1). \\
120939 &:= \sqrt{9} \times (8! - 7) &= (6! + 5!) \times 4! \times 3! - 21. & 846720 &:= \sqrt{9} \times 8! \times 7 &= 6! \times (5! - 4^3) \times 21. \\
121104 &:= \sqrt{9} \times 8 \times (7! + 6) &= ((5! - 4) \times 3)^2 \times 1. & 967680 &:= \sqrt{9} \times 8! \times (7 + 6 - 5) &= 4! \times (3^2 - 1)!. \\
136080 &:= \sqrt{9} \times (8! + 7!) &= (6 + 5 - 4)! \times \sqrt{3^2(2 + 1)!}). & & & &
\end{aligned}$$

6.3. Decreasing orders from 9 to 0.

$$\begin{aligned}
 19 &:= 9 - 8 + 7 + 6 + 5 &= 4 + 3 + 2 + 10. \\
 20 &:= -9 + 87 - 65 + 4 + 3 &= 2 \times 10. \\
 21 &:= (\sqrt{9})! + 8 + 7 &= \sqrt{(654 - 3 - 210)}. \\
 31 &:= -\sqrt{9} - 8 + 7 \times 6 &= 54 - 3 - 2 \times 10. \\
 32 &:= \sqrt{9 \times (87 - 6)} + 5 &= 4 \times 3 + 2 \times 10. \\
 58 &:= (9 - 8) \times (-7 + 65) &= 4 \times 3! \times 2 + 10. \\
 58 &:= 9 + (8! - 7!)/6! &= 54 - 3 \times 2 + 10. \\
 61 &:= (\sqrt{9})! \times 8 + 7 + 6 &= 5 + 4^3 + 2 - 10. \\
 76 &:= 9 + 8 \times 7 + 6 + 5 &= 43 \times 2 - 10. \\
 83 &:= \sqrt{9} + 8 + 7 + 65 &= 4!/3! \times 21 - 0!. \\
 91 &:= (98 - 7) \times (6 - 5) &= (4! + 3!) \times (2 + 1) + 0!. \\
 94 &:= \sqrt{\sqrt{9^8}} + 7 + 6 &= 5! - 4 - 32 + 10. \\
 104 &:= ((\sqrt{9})!! + 8)/7 &= 6 + 5! + 4 - 3! - 2 \times 10. \\
 107 &:= 98 + \sqrt{76 + 5} &= 4 \times 3^{2+1} - 0!. \\
 118 &:= 9 + 8 \times (7 + 6) + 5 &= 4 \times 32 - 10. \\
 119 &:= (9 + 8) \times 7 \times (6 - 5) &= (4 + 3 - 2)! - 1 \\
 130 &:= (9 - 8) \times (76 + 54) &= (3 + 2)! + 10. \\
 135 &:= 9 \times (8 + 7!/6!) &= 5^4 - 3 + 2 + 10. \\
 136 &:= (98 \times 7 - 6)/5 &= 4 \times (32 + 1 + 0!). \\
 137 &:= (98 \times 7 - 6)/5 &= 4! \times 3! - (2 + 1)! - 0!. \\
 139 &:= \sqrt{\sqrt{9^8}} - 7 + 65 &= 4 \times (3!^2 - 1) - 0!. \\
 140 &:= 98 + 7 \times 6 &= 54 \times 3 - 21 - 0!. \\
 144 &:= 9 + 87 - 6 + 54 &= 3!! \times 2/10. \\
 146 &:= -(\sqrt{9})! + 87 + 65 &= -4^3 + 210. \\
 147 &:= \sqrt{9} \times (8! - 7!)/6! &= 5! + 4 + 3 + 2 \times 10. \\
 149 &:= 9 \times 8 + 7 \times (6 + 5) &= 4! + 3! \times 21 - 0!. \\
 150 &:= 9 + 8 + 7 + 6 + 5! &= (4! - 3^2) \times 10. \\
 151 &:= -9 - 8 + 7!/(6 \times 5) &= 4! + 3! \times 21 + 0!. \\
 152 &:= 9 - 8 + 7 + 6!/5 &= 4! \times 3! - 2 + 10. \\
 160 &:= (98/7 - 6) \times 5 \times 4 &= 4 \times (3! - 2) \times 10. \\
 164 &:= -(\sqrt{9})! + 8 \times 7 - 6 + 5! &= 4! \times 3! + 2 \times 10. \\
 166 &:= (\sqrt{9})!!/8 + 76 &= 5! - 4 + (3 + 2) \times 10. \\
 168 &:= (9 - 8) \times 7!/(6 \times 5) &= 4 \times (32 + 10). \\
 172 &:= -\sqrt{9} \times 8 + 76 + 5! &= 43 \times (2 + 1 + 0!). \\
 189 &:= \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!. \\
 192 &:= -9 + 87 + 6 \times (-5 + 4!) &= 3! \times \sqrt{2^{10}}. \\
 206 &:= (\sqrt{9})! + 8 \times 7 + 6!/5 &= 4! \times 3^2 - 10. \\
 211 &:= 9 - 8 + 7 \times 6 \times 5 &= 4 - 3 + 210. \\
 213 &:= -9 + 8 + 7 \times 6 \times 5 + 4 &= 3 + 210. \\
 217 &:= 98 - 7 + 6 + 5! &= 4 + 3 + 210. \\
 218 &:= 98 \times (7 - 6) + 5! &= \sqrt{4^3} + 210. \\
 226 &:= -(\sqrt{9})! + 8 \times (-7!/6! + 5!) &= 4! \times 3^2 + 10. \\
 228 &:= \sqrt{9} \times (87 - 6 - 5) &= 54/3 + 210. \\
 230 &:= ((\sqrt{9})!! + 8)/7 + 6 + 5! &= \sqrt{4} \times (3 + 2)! - 10.
 \end{aligned}$$

$$\begin{aligned}
236 &:= -9 + (8! - 7!)/(6!/5) &= \sqrt{4} \times ((3 + 2)! - 1 - 0!). \\
237 &:= \sqrt{9} \times (8 + 76 - 5) &= 4! + 3 + 210. \\
243 &:= (\sqrt{9})! - 87 + 6 \times 54 &= 3^{(2+1)!-0!}. \\
247 &:= -\sqrt{9} + (8 + 7 \times 6) \times 5 &= (4! + 3!)/(2 + 1) - 0!. \\
248 &:= \sqrt{9} \times (87 - 6) + 5 &= 4 \times (3 \times 21 - 0!). \\
251 &:= -9 + 8 + 7! \times 6/5! &= 4 \times 3 \times 21 - 0!. \\
253 &:= ((-\sqrt{9} + 8)! + 7! \times 6)/5! &= 43 + 210. \\
254 &:= -(\sqrt{9})! + 8 + 7! \times 6/5! &= 4^{3!-2} - 1 - 0!. \\
259 &:= 9 + (8 \times 7 - 6) \times 5 &= 43 \times (2 + 1)! + 0!. \\
261 &:= \sqrt{9} \times 87 &= 6 \times 5 + 4! - 3 + 210. \\
263 &:= \sqrt{9} + 8 + 7! \times 6/5! &= 4! \times (3! \times 2 - 1) - 0!. \\
264 &:= (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 &:= 98 + 7!/(6 \times 5) &= 4^{3!-2} + 10. \\
270 &:= 9 \times (8 - 7) \times 6 \times 5 &= (4! + 3!/2) \times 10. \\
278 &:= \sqrt{9 + 8! + 7!} + 65 &= 4! \times 3! \times 2 - 10. \\
280 &:= (98 - 7 \times 6) \times 5 &= (-4 + 32) \times 10. \\
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!. \\
290 &:= (-\sqrt{9} + 8) \times (-7 + 65) &= (4! + 3 + 2) \times 10. \\
301 &:= -9 + (8 \times 7 + 6) \times 5 &= 43 \times ((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 &:= \sqrt{9} \times 8 \times (7 + 6) &= 5 \times 4^3 + 2 - 10. \\
314 &:= -(\sqrt{9})! + 8 \times 7!/(6 + 5!) &= (-4! + 3!)^2 - 10. \\
320 &:= -(\sqrt{9})!! + 8 + 7 \times 6!/5 + 4! &= 32 \times 10. \\
322 &:= -98 + 7!/(6!/5! \times \sqrt{4}) &= 321 + 0!. \\
327 &:= -9 + 8 \times 7 \times 6 &= 5 + \sqrt{4} + 32 \times 10. \\
336 &:= \sqrt{9} \times (-8 + (7 - 6) \times 5!) &= 4! \times (3! - 2 + 10). \\
344 &:= \sqrt{9} + 8 \times 7 \times 6 + 5 &= 43 \times (-2 + 10). \\
346 &:= (\sqrt{9})! + (-8 + 76) \times 5 &= 4! + 321 + 0!. \\
349 &:= 9 + (-8 + 76) \times 5 &= (-4! + 3! + 2)/(1 + 0!). \\
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! &= \sqrt{4} + 3!!/2 - 10. \\
355 &:= 9 + 8 \times 7 \times 6 &= 5 + (\sqrt{4} \times 3)!/2 - 10. \\
358 &:= (98 + 76 - 5) \times \sqrt{4} &= 3!!/2 - 1 - 0!. \\
362 &:= -\sqrt{9} + 8 \times 7 \times 6 + 5 + 4! &= 3!!/2 + 1 + 0!. \\
364 &:= ((\sqrt{9})!! + 8)/(7!/6! - 5) &= 4 + 3!^2 \times 10. \\
368 &:= (\sqrt{9})!! + 8 \times (76 - 5!) &= (-4 + 3!)/2 + 10. \\
369 &:= \sqrt{9} \times \left( \sqrt{\sqrt{87 - 6} + 5!} \right) &= (-\sqrt{4} + 3!)/2 + 10. \\
370 &:= -\sqrt{9} \times 87 + 6 + 5^4 &= 3!!/2 + 10. \\
371 &:= -\sqrt{\sqrt{\sqrt{9^8} + 76} \times 5} &= (\sqrt{4} + 3!)/2 + 10. \\
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!.
\end{aligned}$$

$$\begin{aligned}
 379 &:= -9 + 8 + 76 \times 5 &= (4! - 3!) \times 21 + 0!. \\
 380 &:= (9 - 8) \times 76 \times 5 &= (\sqrt{4} + 3!)^2 \times 10. \\
 382 &:= -(\sqrt{9})! + 8 + 76 \times 5 &= 4! + 3!/2 - 1 - 0!. \\
 383 &:= -9 \times 8 + 7 \times 65 &= 4^3 \times (2 + 1)! - 0!. \\
 385 &:= (9 - 8 + 76) \times 5 &= 4^3 \times (2 + 1)! + 0!. \\
 396 &:= -9 + (87 - 6) \times 5 &= (4! - 3!) \times (21 + 0!). \\
 410 &:= \left( \sqrt{\sqrt{9^8} + 7 - 6} \right) \times 5 &= (43 - 2) \times 10. \\
 416 &:= (-\sqrt{9})! \times 8 + 7! / \sqrt{6! / 5} = \sqrt{4} \times 3!! - 2^{10}. \\
 420 &:= 98/7 \times 6 \times 5 &= (4! - 3) \times 2 \times 10. \\
 422 &:= -(\sqrt{9})! + 8 + 7! / \sqrt{6! / 5} &= 432 - 10. \\
 430 &:= ((-\sqrt{9} + 8)! + 7!) / \sqrt{6! / 5} = \sqrt{(43^2)} \times 10. \\
 440 &:= (\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!}. \\
 444 &:= (\sqrt{\sqrt{9^8} - 7}) \times 6 &= 5! + \sqrt{4} + 321 + 0!. \\
 450 &:= (9 + 87 - 6) \times 5 &= (43 + 2) \times 10. \\
 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). \\
 470 &:= \left( \sqrt{\sqrt{9^8} + 7 + 6} \right) \times 5 &= 4 \times (3 + 2)! - 10. \\
 472 &:= 9 + 8 + 7 \times 65 &= 4 \times ((3 + 2)! - 1 - 0!). \\
 475 &:= (-9 + 8 \times (7 + 6)) \times 5 &= 4 \times ((3 + 2)! - 1) - 0!. \\
 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!. \\
 480 &:= (9 + 8 - 7 - 6) \times 5! &= 4 \times 3! \times 2 \times 10. \\
 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!. \\
 485 &:= (98 - 7 + 6) \times 5 &= 4 \times ((3 + 2)! + 1) + 0!. \\
 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. \\
 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!. \\
 505 &:= (-\sqrt{9} + 8 \times (7 + 6)) \times 5 &= 4 \times 3! \times 21 + 0!. \\
 510 &:= 9 \times 8 \times 7 + 6 &= (5 - 4) \times 3!! - 210. \\
 519 &:= -\sqrt{9} + 87 \times 6 &= 5 + 4 + 3!! - 210. \\
 520 &:= (9 - 8 + 7) \times 65 &= 4 \times ((3 + 2)! + 10). \\
 522 &:= (\sqrt{9})! \times 87 &= 6! + 5 + 4 + 3 - 210. \\
 528 &:= (\sqrt{9})! \times (87 + 6 - 5) &= 4! \times (32 - 10). \\
 529 &:= 9 + 8 \times (7 + 6) \times 5 &= (4! - 3 + 2)^{1+0!}. \\
 531 &:= 9 + 87 \times 6 &= 543 - 2 - 10. \\
 540 &:= (\sqrt{9} + 87) \times 6 &= 54 \times (3 - 2) \times 10. \\
 546 &:= (98 - 7) \times 6 &= 5! + \sqrt{4} \times (3 + 210). \\
 553 &:= 98 + 7 \times 65 &= 4! \times ((3! - 2)! - 1) + 0!. \\
 558 &:= 9 \times (8 \times 7 + 6) &= (5! - 4) \times 3 + 210. \\
 566 &:= \sqrt{\sqrt{9^8}} \times 7 - 6 + 5 &= (4 \times 3!)^2 - 10. \\
 567 &:= \sqrt{\sqrt{9^8}} \times 7 &= 6 + 5^4 - 3 \times 21 - 0!. \\
 574 &:= (\sqrt{9})! + 8 \times (76 - 5) &= (4 \times 3!)^2 - 1 - 0!.
 \end{aligned}$$

$$\begin{aligned}
611 &:= \sqrt{9} + 8 \times 76 &= 5^4 + 3! - 2 \times 10. & 768 &:= -9 \times 8 + 7!/6 &= (5! - 4!) \times (3 \times 2 + 1 + 0!). \\
612 &:= 9 \times (-8 + 76) &= (54 - 3) \times (2 + 10). & 776 &:= (\sqrt{9})!! + 8 \times 7 &= 6! - 54 + (3 + 2)! - 10. \\
614 &:= (\sqrt{9})! + 8 \times 76 &= 5^4 - 3 + 2 - 10. & 778 &:= -\sqrt{9} + 8 \times 7 + 6! + 5 &= 4! \times 32 + 10. \\
615 &:= -98 - 7 + 6! &= 5^4 \times (3 - 2) - 10. & 782 &:= (\sqrt{9})! + 8 \times 7 + 6! &= 5!/\sqrt{4} + 3!! + 2 - 1 + 0!. \\
617 &:= 9 + 8 \times 76 &= 5^4 + \sqrt{3!} - 2 - 10. & 783 &:= 9 \times 87 &= 65 - 4 + 3!! + 2 + 1 - 0!. \\
620 &:= -98 - 7 + 6! + 5 &= (4^3 - 2) \times 10. & 784 &:= \sqrt{9} + 8 \times 7 + 6! + 5 &= (-4 + 32)^{1+0!}. \\
634 &:= -98 + 7 + 6! + 5 &= 4 + 3 \times 210. & 785 &:= 9 + 8 \times 7 + 6! &= 5!/\sqrt{4} + 3!! + (2 + 1)! - 0!. \\
637 &:= -(\sqrt{9})!!/8 + 7 + 6! &= 5^4 + \sqrt{3!} - 2 + 10. & 791 &:= \sqrt{9 - 8 + 7!} + 6! &= (5! - 4 - 3) \times ((2 + 1)! + 0!). \\
640 &:= -(\sqrt{9})!! + 8 + 7!/6) \times 5 &= \sqrt{4} \times 32 \times 10. & 793 &:= 9 - 8 \times 7 + 6! + 5! &= 4! \times (32 + 1) + 0!. \\
642 &:= 9 - 87 + 6! &= 5 \times 4 \times 32 + 1 + 0!. & 794 &:= \sqrt{\sqrt{9^8}} - 7 + 6! &= 54 + 3!! + 21 - 0!. \\
648 &:= -9 \times 8!/7! + 6! &= 5 + \sqrt{4} \times 321 + 0!. & 797 &:= (\sqrt{9} + 8) \times 7 + 6! &= (-5 + 43) \times 21 - 0!. \\
644 &:= (\sqrt{9})!! - 87 + 6 + 5 &= \sqrt{4} \times (321 + 0!). & 799 &:= 9 \times 8 + 7 + 6! &= (-5 + 43) \times 21 + 0!. \\
646 &:= -\sqrt{\sqrt{9^8}} + 7 + 6! &= 5 \times 43 \times (2 + 1) + 0!. & 807 &:= (\sqrt{9})!! + 87 &= 6! + 5! - 4! - 3^2 - 1 + 0!. \\
647 &:= 9 - 87 + 6! + 5 &= 4! \times 3^{2+1} - 0!. & 808 &:= \sqrt{\sqrt{9^8}} + 7 + 6! &= -5! - \sqrt{4} + 3!! + 210. \\
655 &:= -9 \times 8 + 7 + 6! &= 5^4 + 32 - 1 - 0!. & 813 &:= (\sqrt{9})! + 87 + 6! &= 5! - 4! + 3!! - 2 \times 1 - 0!. \\
660 &:= -9 \times 8 + 7 + 6! + 5 &= (4^3 + 2) \times 10. & 820 &:= (-(-\sqrt{9} + 8)! + 7!)/6 &= (5! \times \sqrt{4}/3 + 2) \times 10. \\
661 &:= -\sqrt{9} - 8 \times 7 + 6! &= 5^4 + 3 \times (2 + 10). & 826 &:= -(\sqrt{9})! - 8 + 7!/6 &= \sqrt{5^4} \times (32 + 1) + 0!. \\
665 &:= -(\sqrt{9})! \times 8 - 7 + 6! &= 5 + (4^3 + 2) \times 10. & 828 &:= -9 - 8 + 7!/6 + 5 &= 4 \times (-3 + 210). \\
670 &:= (\sqrt{9})! - 8 \times 7 + 6! &= (5 + 4^3 - 2) \times 10. & 829 &:= -\sqrt{9} - 8 + 7!/6 &= 5^4 - 3! + 210. \\
678 &:= ((-\sqrt{9} + 8)! - 7) \times 6 + 5 \times 4 &= 3!! - 21 - 0!. & 831 &:= -\sqrt{\sqrt{\sqrt{9^8}}} + 7!/6 &= (5 + 4 \times 3!)^2 - 10. \\
679 &:= -(\sqrt{9})! \times 8 + 7 + 6! &= 5 - 4! + 3!! - 21 - 0!. & 832 &:= (-(\sqrt{9})! \times 8 + 7!)/6 &= 5^4 - 3 + 210. \\
686 &:= 98 \times 7 &= \sqrt{6!} \times 5 - 4 + 3 \times 210. & 835 &:= \sqrt{9} - 8 + 7!/6 &= 5 \times (-43 + 210). \\
688 &:= 9 \times (87 - 6 - 5) + 4 &= 3!! - \sqrt{2^{10}}. & 836 &:= (\sqrt{9} + 8) \times 76 &= (-5 + 43) \times (21 + 0!). \\
692 &:= 98 \times 7 + 6 &= 5! - 4 + (3! - 2!)^{1+0!}. & 838 &:= (\sqrt{9})! - 8 + 7!/6 &= 5^4 + 3 + 210. \\
696 &:= (\sqrt{9})! \times 8 \times (-7 + 65)/4 &= 3!! - (2 + 1 + 0!)!. & 840 &:= -\sqrt{\sqrt{\sqrt{9^8}}} + 7 + 6! + 5! + \sqrt{4} &= 3!! + ((2 + 1)! - 0!)!. \\
698 &:= 9 \times 8 + 7 - 6 + 5^4 &= 3!! - 21 - 0!. & 841 &:= (\sqrt{9} + 8) \times 76 + 5 &= 4! \times (3!^2 - 1) + 0!. \\
700 &:= 98 \times 7 - 6 + 5 \times 4 &= 3!! - 2 \times 10. & 841 &:= 9 - 8 + 7!/6 &= (5 + 4 \times 3!)^2 - 1 + 0!. \\
703 &:= -\sqrt{9} \times 8 + 7 + 6! &= 5 - 4! + (3 \times 2)! + 1 + 0!. & 842 &:= 9 \times (87 + 6) + 5 &= \sqrt{4} + 3!! + ((2 + 1)! - 0!)!. \\
704 &:= -(\sqrt{9})! - 8 - 7 + 6! + 5 &= 4 + 3!! - 21 + 0!. & 844 &:= -9 + 8 + 7!/6 + 5 &= 4 + 3!! + ((2 + 1)! - 0!)!. \\
705 &:= (\sqrt{9})!! - 8 - 7!/6! &= 5^4 + (3! + 2) \times 10. & 848 &:= (-(\sqrt{9})! + 8)^7 + 6! &= 5! \times (4 + 3) - 2 + 10. \\
706 &:= -98/7 + 6! &= 5! + (4 \times 3!)^2 + 10. & 851 &:= \sqrt{9} + 8 + 7!/6 &= 5^4 \times 3 - 2^{10}. \\
714 &:= (9 - 8 - 7) + 6 \times 5! &= 4 + (3 \times 2)! - 10. & 852 &:= (9 \times 8 + 7!)/6 &= 5! + 4! + 3!! - 2 - 10. \\
715 &:= 9 \times (8 + 76 - 5) + 4 &= 3!! - (2 + 1)! + 0!. & 854 &:= 98/7 + 6! + 5! &= 4! \times 3!^2 - 10. \\
716 &:= 98 \times 7 + 6 \times 5 &= 4 + 3!! + 2 - 10. & 854 &:= \sqrt{\sqrt{\sqrt{9^8}}} + 7!/6 + 5 &= 4! \times 3!^2 - 10. \\
725 &:= (\sqrt{9})!! - 8 + 7 + 6 &= 5 + (\sqrt{4} \times 3)! - 2 + 1 + 0!. & 860 &:= ((-\sqrt{9} + 8)! + 7!)/6 &= (54 + 32) \times 10. \\
728 &:= 9 - 8 + 7 + 6! &= 5 \times 4 + 3!! - 2 - 10. & 862 &:= -9 + 876 &= 5 + 4! \times 3!^2 - 1 - 0!. \\
737 &:= \sqrt{9} \times 8 - 7 + 6! &= 5 + 4! + 3!! - 2 - 10. & 863 &:= 98 + 765 &= 4! \times 3!^2 \times 1 - 0!. \\
748 &:= -9 - 8 + 765 &= 4 + 3!! + (2 + 1 + 0!)!. & 866 &:= -(\sqrt{9})! + 8 + (7! - 6!)/5 &= 4! \times 3!^2 + 1 + 0!. \\
749 &:= -98 + 7 + 6! + 5! &= 4! + 3! + (2 + 1)! - 0!. & 870 &:= -(\sqrt{9})! + 876 &= 5 + 4 \times 3!^{2+1} + 0!. \\
752 &:= -\sqrt{\sqrt{9^8}} - 7 + 6! + 5! &= 4! + 3!! - 2 + 10. & 873 &:= -\sqrt{9} + 876 &= 5 + 4 \times (3!^{2+1} + 0!). \\
758 &:= (\sqrt{9})!! + 8!/7! + 6 \times 5 &= 4! \times 32 - 10. & 880 &:= 9 + 876 &= 5 - 4! \times 3! + 2^{10}. \\
759 &:= -\sqrt{\sqrt{9^8}} + 7!/6 &= 5 + 4! + (3 \times 2)! + 10. & 882 &:= 98 \times \sqrt{76 + 5} &= (4! - 3)^2 \times (1 + 0!). \\
764 &:= -9 + 8 + 765 &= 4! + 3!! + 2 \times 10. & & & \\
766 &:= 9 - 8 + 765 &= 4! \times 32 - 1 - 0!. & & & 
\end{aligned}$$

$$\begin{aligned}
 887 &:= (\sqrt{9})! + 876 + 5 &= 4! \times (3!^2 + 1) - 0!. \\
 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!. \\
 900 &:= (\sqrt{9})!! \times (8 + 7)/\sqrt{6!/5} &= (-\sqrt{4} + 32)^{1+0!}. \\
 902 &:= (\sqrt{9})! + 8 \times 7 + 6! + 5! &= 43 \times 21 - 0!. \\
 904 &:= (\sqrt{9})!! + 8 \times (-7 + 6 \times 5) &= 43 \times 21 + 0!. \\
 912 &:= (9 - 8 + 7) \times (-6 + 5!) &= 4! \times (3!^2 + 1 + 0!). \\
 930 &:= (\sqrt{9})!!/8 + 7!/6 &= (5 - 4) \times 3!! + 210. \\
 936 &:= 9 \times 8 \times (7 + 6) &= (5 \times 4! - 3) \times (-2 + 10). \\
 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!). \\
 956 &:= (\sqrt{9} + 8) \times 76 + 5! &= 4 \times (3!!/(2 + 1) - 0!). \\
 959 &:= (-9 + 8) + 7!/6 + 5! &= 4 \times 3!!/(2 + 1) - 0!. \\
 972 &:= -\sqrt{9} + (8 + 7) \times 65 &= 4 \times 3^{((2+1)!-0!)}. \\
 987 &:= 987 &= 6 \times 5! + 4! + 3^{((2+1)!-0!)}. \\
 999 &:= \sqrt{9} + 876 + 5! &= (4 + 3!)^{2+1} - 0!. \\
 1001 &:= (98 - 7) \times (6 + 5) &= (4 + 3!)^{2+1} + 0!. \\
 1022 &:= (\sqrt{9})! + 8 + 7 \times 6!/5 &= 4 - 3! + 2^{10}. \\
 1025 &:= 9 + 8 + 7 \times 6!/5 &= 4 - 3 + 2^{10}. \\
 1027 &:= \sqrt{9} - 8 + 7 \times 6!/5 + 4! &= 3 + 2^{10}. \\
 1030 &:= 9 \times (8 - 7) \times (-6 + 5!) + 4 &= 3! + 2^{10}. \\
 1050 &:= (-\sqrt{9} + 8) \times 7 \times 6 \times 5 &= (\sqrt{4} + 3) \times 210. \\
 1053 &:= \sqrt{\sqrt{9^8}} \times (7 + 6) &= (5 + 4) \times (-3 + ((2 + 1)! - 0!)!). \\
 1054 &:= -98 + (7! + 6!)/5 &= 4! + 3! + 2^{10}. \\
 1104 &:= (\sqrt{9})! \times 8 \times (-7 + 6 \times 5) &= 4! \times (3!^2 + 10). \\
 1170 &:= (\sqrt{9})!!/8 \times (7 + 6) &= (-5 + (\sqrt{4} + 3)! + 2) \times 10. \\
 1202 &:= -(\sqrt{9})! + 8 \times (7 + 6!/5) &= \sqrt{4} + (3 + 2)! \times 10. \\
 1278 &:= \sqrt{9 + 8! + 7!} \times 6 &= 5 \times \sqrt{4^{3!+2}} - 1 - 0!. \\
 1283 &:= \sqrt{9 + 8! + 7!} \times 6 + 5 &= 4 \times 321 - 0!. \\
 1287 &:= \sqrt{\sqrt{9^8}} \times 7 + 6! &= -5 - 4 + 3!^{2+1+0!}. \\
 1288 &:= (\sqrt{9})!! + 8 \times (76 - 5) &= 4 \times (321 + 0!). \\
 1353 &:= (\sqrt{9})!! - 87 + 6! &= 5^4 + 3^{(2+1)!} - 0!. \\
 1384 &:= (\sqrt{9})!! - 8 \times 7 + 6! &= 5! + 4 + 3! \times 210. \\
 1392 &:= \sqrt{9} \times 8 \times (-7 + 65) &= (-4! + (3 \times 2!)) \times (1 + 0!). \\
 1394 &:= 98 \times (7 + 6) + 5! &= (-4! + 3!!) \times 2 + 1 + 0!. \\
 1397 &:= (\sqrt{9} + 8) \times (7!/6! + 5!) &= \sqrt{4} \times (3!! - 21) - 0!. \\
 1406 &:= 98 \times 7 + 6! &= (5 - 4! + 3!! + 2) \times (1 + 0!). \\
 1408 &:= (-\sqrt{9})! + 8)^7 \times (6 + 5) &= 4^3 \times (21 + 0!). \\
 1424 &:= (-\sqrt{9})!! + 8) \times (-7!/6! + 5) &= \sqrt{4} \times (3!! + 2 - 10). \\
 1426 &:= (-\sqrt{9})! + 8) \times (-7 + 6!) &= (-5 - \sqrt{4} + 3!!) \times 2 - 1 \times 0!. \\
 1429 &:= -\sqrt{9} - 8 + 7! - 6! \times 5 &= \sqrt{4} \times (-3! + (2 + 1)!!) + 0!. \\
 1430 &:= 98 \times 7 + 6 \times 5! + 4! &= 3!! \times 2 - 10. \\
 1433 &:= \left( \sqrt{\sqrt{\sqrt{9^8}}} \right)!! - 7 + (6!/5)! &= \sqrt{4} \times (3!! - 2 - 1) - 0!. \\
 1436 &:= (9 + 8) \times 76 + 5! + 4! &= (3!! - 2) \times (1 + 0!). \\
 1437 &:= (\sqrt{9})!! - 8!/7! + 6! + 5 &= \sqrt{4} \times (3!! - 2 \times 1) + 0!. \\
 1438 &:= (\sqrt{9})!! + 87 + 6 + 5^4 &= 3!! \times 2 - 1 - 0!. \\
 1442 &:= -(\sqrt{9})! + 8 + 7! - 6! \times 5 &= 4 + 3!! \times 2 - 1 - 0!. \\
 1450 &:= 9 + 8 - 7 + \sqrt{6!} \times 5 \times 4! &= 3!! \times 2 + 10. \\
 1457 &:= 9 + 8 + 7! - 6! \times 5 &= \sqrt{4} \times 3^{(2+1)!} - 0!. \\
 1459 &:= (-\sqrt{9})! + 8) \times (7 + 6!) + 5 &= \sqrt{4} \times 3^{(2+1)!} + 0!. \\
 1460 &:= (\sqrt{9})!! + 8 + 7 + 6! + 5 &= 4! + (3!! - 2) \times (1 + 0!). \\
 1462 &:= -98 + (7 + 6) \times 5! &= 4! + 3!! \times 2 - 1 - 0!. \\
 1472 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)^7 - 6! + 5 &= \sqrt{4} \times 3!! + \sqrt{2^{10}}. \\
 1486 &:= \sqrt{9^8} - 7 \times (6! + 5) &= (4! + 3!!) \times 2 - 1 - 0!. \\
 1496 &:= ((\sqrt{9})!! + 8 \times 7) + 6! &= 5! \times (4! - 3) - 2^{10}. \\
 1504 &:= (\sqrt{9})!! - 8 \times 7 + 6! + 5! &= \sqrt{4} \times (3!! + \sqrt{2^{10}}). \\
 1552 &:= (\sqrt{9})!! - 8 + 7!/6 &= (54 + 3!! + 2) \times (1 + 0!). \\
 1566 &:= \sqrt{9} \times 87 \times 6 &= 54 \times (-3 + \sqrt{2^{10}}). \\
 1568 &:= (\sqrt{9})!! + (8 + 7!/6) &= 5! + (4 + 3!!) \times ((2 + 1) - 0!). \\
 1596 &:= (\sqrt{9})!! + 876 &= 5 \times (-\sqrt{4} + 321) + 0!. \\
 1744 &:= -(\sqrt{9})!! + 8 \times 7 \times (6 + 5) \times 4 &= 3!! + 2^{10}. \\
 1800 &:= (9 \times (8 - 7) + 6) \times 5! &= (4! + 3!)^2 \times (1 + 0!). \\
 1839 &:= \sqrt{9} \times (8 \times 76 + 5) &= 43^2 - 10. \\
 1899 &:= \sqrt{9} \times (-87 + 6!) &= 5^4 \times 3 + (2 + 1 + 0!)!. \\
 1920 &:= (9 + 8 - 7 + 6) \times 5! &= 4! \times (3! + 2) \times 10. \\
 1921 &:= (9 + 8) \times (-7!/6! + 5!) &= (\sqrt{4^3})!/21 + 0!. \\
 1992 &:= \sqrt{9} \times (-8 \times 7 + 6!) &= (5! + 4!^3)/((2 + 1)! + 0!). \\
 2025 &:= 9 - 8!/7 + 6^5 &= (43 + 2)^{1+0!}. \\
 2046 &:= (\sqrt{9})! \times (8 \times 7 \times 6 + 5) &= 4^3/2 - 1 - 0!. \\
 2048 &:= (\sqrt{9} - 8 + 7)^{6+5} &= 4^3 \times \sqrt{2^{10}}. \\
 2100 &:= \sqrt{9} \times (-8 - 7 + 6! - 5) &= (4 + 3!) \times 210. \\
 2136 &:= \sqrt{9} \times (-8!/7! + 6!) &= 5! \times 4! - 3!! - (2 + 1 + 0!)!. \\
 2140 &:= \sqrt{9 \times (8 - 7)} \times 6! &= 5! + 4 \times (3!! - 210). \\
 2153 &:= (\sqrt{9})!! \times 8 - 7 - 6! \times 5 &= (-\sqrt{4} + 3!!) \times (2 + 1) - 0!. \\
 2159 &:= -9 + 8 + 7! - 6 \times 5! \times 4 &= 3!! \times (2 + 1) - 0!. \\
 2161 &:= 9 - 8 + 7! - 6 \times 5! \times 4 &= 3!! \times (2 + 1) + 0!. \\
 2165 &:= \sqrt{9} \times (8 - 7) \times 6! + 5 &= 4 + 3!! \times (2 + 1) + 0!. \\
 2167 &:= (\sqrt{9})!! \times 8 + 7 - 6! \times 5 &= 4 + 3 \times ((2 + 1)!! + 0!). \\
 2187 &:= 9 \times (87 - 6) \times (5 - \sqrt{4}) &= 3^{(2+1)!+0!}. \\
 2231 &:= -9 + 8!/7 + 6 + 5) &= (4! + 3!!) \times (2 + 1) - 0!. \\
 2241 &:= \sqrt{9^8} - 7! + 6! &= (5! - \sqrt{4}) \times \sqrt{3!!/2 + 1} - 0!. \\
 2496 &:= \sqrt{9} \times (-8 + 7!/6) &= (5! - 4!) \times (3^{2+1} - 0!). \\
 2516 &:= \sqrt{9} \times (-8 + 7!/6) &= ((5 + \sqrt{4})! - 3! - 2)/(1 + 0!). \\
 2544 &:= \sqrt{9} \times (8 + 7!/6) &= 5! \times (4! - 3) + (2 + 1 + 0!)!. \\
 2640 &:= (\sqrt{4} + 3)! \times (21 + 0!) &= (98 - 76) \times 5!. \\
 2670 &:= \sqrt{9} \times (8 + 7 \times (6 + 5!)) &= 4 \times 3!! - 210. \\
 2736 &:= (-9 + 8) \times 7! + 6^5 &= 4! \times (-3! + ((2 + 1)! - 0!)!). \\
 2760 &:= -(-\sqrt{9} + 8)! \times 7 + 6! \times 5 &= 4 \times 3!! - ((2 + 1)! - 0!)!. \\
 2784 &:= (\sqrt{9})! \times 8 \times (-7 + 65) &= 4 \times (3!! - (2 + 1 + 0!)!).
 \end{aligned}$$

$$\begin{aligned}
2792 &:= (-\sqrt{9})!! + 8 \times 7 + 6^5 &= 4 \times (3!! - 21 - 0!). \\
2840 &:= -(\sqrt{9})!! - (8!/7! - 6!) \times 5 &= 4 \times ((3 \times 2!) - 10). \\
2860 &:= ((\sqrt{9} + 8) - 7) \times (6! - 5) &= \sqrt{4} \times (3!! \times 2 - 10). \\
2872 &:= -(\sqrt{9})!! - 8!/7! + 6! \times 5 &= 4 \times 3!! + 2 - 10. \\
2886 &:= (\sqrt{9})! + 8!/\sqrt{76+5!} &= 4 \times (3!! + 2) - 1 - 0!. \\
2888 &:= -(\sqrt{9})!! + 8!/7! + 6! \times 5 &= 4 \times 3!! - 2 + 10. \\
2900 &:= (\sqrt{9} + 8 - 7) \times (6! + 5) &= 4 \times 3!! + 2 \times 10. \\
2907 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)^7 + 6! &= -5 + 4 \times 3!! + \sqrt{2^{10}}. \\
2912 &:= ((\sqrt{9})!! + 8) \times (-7 + 6 + 5) &= 4 \times (3!! - 2 + 10). \\
2915 &:= \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + (7 + 6!) \times 5 &= 4 \times 3^{(2+1)!} - 0!. \\
2916 &:= \left( \sqrt{\sqrt{9^8}} \right) \times (7! - 6!)/5! &= ((4! + 3) \times 2)^{1+0!}. \\
2920 &:= -(\sqrt{9})!! + 8 \times 7 \times 65 &= 4 \times ((3 \times 2!) + 10). \\
2928 &:= (\sqrt{9})! \times (8 \times 76 - 5!) &= 4 \times (3!! + 2 + 10). \\
2960 &:= (\sqrt{9})!! + 8!/(7 + 6 + 5) &= 4 \times (3!! + 21 - 0!). \\
2965 &:= (-\sqrt{9} + 8)! - 7 + 6! \times 5 &= 4 \times (3!! + 21) + 0!. \\
2968 &:= \sqrt{9^8} + 7 - 6! \times 5 &= 4 \times (3!! + 21 + 0!). \\
3000 &:= (\sqrt{9} \times 8 + 7 - 6) \times 5! &= 4! \times (3! \times 21 - 0!). \\
3024 &:= 9 \times 8 \times 7 \times 6 &= 5! + 4! - 3!! \times (-2 - 1 - 0!). \\
3025 &:= (-\sqrt{9} + 8 \times 76) \times 5 &= 4! \times 3! \times 21 + 0!. \\
3072 &:= (\sqrt{9})! \times 8\sqrt{\sqrt{76+5}} &= 4^{3!} - 2^{10}. \\
3096 &:= -9 \times 8 \times 7 + 6! \times 5 &= 4! + 3 \times 2^{10}. \\
3120 &:= (-9 + 87 + 6!) \times 5 &= 4! \times ((3 + 2)! + 10). \\
3125 &:= ((\sqrt{9})! - 8 + 7)^6/5 &= (\sqrt{4} + 3)^{(2+1)!-0!}. \\
3168 &:= 9 \times 8 \times (-76 + 5!) &= 4! \times 3! \times (21 + 0!). \\
3360 &:= (-\sqrt{9})! \times 8 + 76 \times 5! &= (\sqrt{4^3})!/(2 + 10). \\
3375 &:= (-\sqrt{9} \times (8 + 7) + 6!) \times 5 &= 4^{3!} - (2 + 1)! - 0!. \\
3560 &:= \sqrt{9} - 8 + (-7 + 6!) \times 5 &= (-4 + 3!!/2) \times 10. \\
3580 &:= (-\sqrt{9} - 8 + 7 + 6!) \times 5 &= (-4 + 3!!)/2 \times 10. \\
3595 &:= ((\sqrt{9})!! - (8 - 7)^6) \times 5 &= (\sqrt{4} + 3) \times ((2 + 1)! - 0!). \\
3599 &:= -(9 - 8)^7 + 6! \times 5 &= 4 \times 3!! + (2 + 1)! - 0!. \\
3600 &:= -9 - 8 - 7 + 6! \times 5 + 4! &= 3!!/2 \times 10. \\
3601 &:= (9 - 8)^7 + 6! \times 5 &= 4 \times 3!! + (2 + 1)! + 0!. \\
3602 &:= -\sqrt{9} + (8 - 7 + 6!) \times 5 &= \sqrt{4} + 3!!/2 \times 10. \\
3604 &:= \sqrt{9} + 8 - 7 + 6! \times 5 &= 4 + 3!!/2 \times 10. \\
3605 &:= (\sqrt{9})! - 8 + 7 + 6! \times 5 &= (\sqrt{4} + 3) \times ((2 + 1)! + 0!). \\
3610 &:= (\sqrt{9} - 8 + 7 + 6!) \times 5 &= (\sqrt{4} + 3!!)/2 \times 10. \\
3620 &:= (\sqrt{9} + 8 - 7 + 6!) \times 5 &= (4 + 3!!) \times ((2 + 1)! - 0!). \\
3640 &:= (9 - 8 + 7 + 6!) \times 5 &= (4 + 3!!/2) \times 10. \\
3648 &:= (\sqrt{9})! \times 8 \times 76 &= (5! - 4!) \times \sqrt{(3!! + 2) \times (1 + 0!)}. \\
3840 &:= (-9 \times 8 + 7!/6) \times 5 &= (4! + 3!!/2) \times 10. \\
3886 &:= (\sqrt{9})! + (8 \times 7 + 6!) \times 5 &= 4^{3!} - 210. \\
3976 &:= (-\sqrt{9} - 8 + 7)^6 - 5! &= 4^{3!} - ((2 + 1)! - 0!)!. \\
4032 &:= (\sqrt{9})! \times 8 \times 7 \times \sqrt{6!/5} &= (4 + 3! - 2!)/10. \\
4074 &:= -(\sqrt{9})! + (-8 + 7 \times 6) \times 5! &= 4^{3!} - 21 - 0!. \\
4086 &:= (\sqrt{9})! + (-8 + 7 \times 6) \times 5! &= (4^3)^2 - 10. \\
4089 &:= 9 + (-8 + 7 \times 6) \times 5! &= 4^{3!} - (2 + 1)! - 0!. \\
4096 &:= (\sqrt{9} + 8 - 7)^{6!/5!} &= 4^{(3 + 21 \times 0)!}. \\
4096 &:= (\sqrt{9} + 8 - 7)^6 &= 5 \times 4^{3!} \times 2/10. \\
4096 &:= (\sqrt{9} + 8 - 7)^6 &= 5 + 4^{3!} - (2 + 1)! + 0!. \\
4100 &:= (-(-\sqrt{9} + 8)! + 7!)/6 \times 5 &= 4^{3!} + 2 + 1 + 0!. \\
4101 &:= (\sqrt{9} + 8 - 7)^6 + 5 &= 4^{3!} + (2 + 1)! - 0!. \\
4102 &:= -98 + 7!/6 \times 5 &= 4^{3!} + (2 + 1)!. \\
4104 &:= 9 \times 8 \times 7 + 6! \times 5 &= 4^{3!} - 2 + 10. \\
4175 &:= (-\sqrt{9} + 8) \times (7!/6 - 5) &= (-4! + 3!!) \times (2 + 1)! - 0!. \\
4216 &:= (-\sqrt{9} - 8 + 7)^6 + 5! &= 4^{3!} + ((2 + 1)! - 0!)!. \\
4272 &:= -(\sqrt{9})! \times 8 + 7! &= 6! + 5! \times \sqrt{4} + (3! + 2)!/10. \\
4319 &:= (9 - 8) \times 7! - 6! - 5 + 4 &= 3! \times (2 + 1)! - 0!. \\
4321 &:= (9 - 8) \times (7! - 6! + 5 - 4) &= 3! \times ((2 + 1)!) + 0!. \\
4323 &:= (\sqrt{9})! - 8 + 7! - 6! + 5 &= \sqrt{4} + 3!! \times (2 + 1)! + 0!. \\
4330 &:= -\sqrt{9} + 8 + 7! - 6! + 5 &= 4 + 3! \times ((2 + 1)!) + 0!. \\
4331 &:= \sqrt{9} + 8 + 7! - 6! &= 5 \times (\sqrt{4} + 3!!) + (2 + 1)! + 0!. \\
4333 &:= -(\sqrt{9})!! + 8 + 7 \times 6! + 5 &= (\sqrt{4} + 3!!) \times (2 + 1)! + 0!. \\
4338 &:= (\sqrt{9})! \times (8!/7! + 6! - 5) &= 4! + 3! \times ((2 + 1)!) - 0!. \\
4350 &:= (-\sqrt{9})! + 876 \times 5 &= 4! + 3! \times ((2 + 1)!) + 0!. \\
4356 &:= (\sqrt{9})! \times (8 - 7 + 6! + 5) &= (4^3 + 2)^{1+0!}. \\
4362 &:= \left( \left( \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \right)!! + 7 \right) \times 6 &= (5 - \sqrt{4})! \times (3! + (2 + 1)!) + 0!. \\
4368 &:= ((\sqrt{9})!! + 8!/7!) \times 6 &= (\sqrt{5 + 4})! \times (3!! - 2 + 10). \\
4374 &:= -(\sqrt{9})! + 876 \times 5 &= \sqrt{4} \times 3^{(2+1)!+0!}. \\
4410 &:= (\sqrt{9})! \times (8 + 7 + 6 \times 5!) &= (4! - 3) \times 210. \\
4800 &:= ((\sqrt{9})! - 8 + 7 \times 6) \times 5! &= 4 \times (3 + 2)! \times 10. \\
4830 &:= ((\sqrt{9})! + 8!/(7 \times 6)) \times 5 &= (4 + 3)! - 210. \\
4896 &:= (9 - 8) \times (7! - 6!/5) &= 4! \times (-3! + 210). \\
4950 &:= -(\sqrt{9})!!/8 + 7 \times 6! &= 5! \times 43 - 210. \\
4956 &:= -(\sqrt{9})!!/8 + 7! + 6 &= (5! - \sqrt{4}) \times (32 + 10). \\
4959 &:= -\sqrt{\sqrt{9^8}} + 7! &= 6!/5 + 4^{3!} + (2 + 1)! - 0!. \\
4965 &:= -\sqrt{\sqrt{9^8}} + 7! + 6 &= -5^{\sqrt{4}} \times 3 + ((2 + 1)! + 0!)!. \\
4974 &:= -9 \times 8 + 7! + 6 &= (5 + \sqrt{4})! - 3 \times (21 + 0!). \\
4984 &:= ((\sqrt{9})!! - 8) \times 7 &= 6! + 5! \times (4! + 3) + 2^{10}. \\
5010 &:= (9 - 8) \times 7! - 6 \times 5 &= -4! - 3! + ((2 + 1)! + 0!)!. \\
5031 &:= -9 + (8 - 7 + 6!) &= (5 + \sqrt{4})! + 3 - 2 - 10. \\
5031 &:= -\sqrt{\sqrt{\sqrt{9^8}}} + 7! &= 6! + 5 + 4^{3!} + 210. \\
5033 &:= (-9 \times 8 + 7!) + 65 &= (4 + 3) \times ((2 + 1)! - 0!). \\
5047 &:= 9 \times 8 + 7! - 65 &= (4 + 3)! + (2 + 1)! + 0!. \\
5050 &:= -9 + 8 + 7! + 6 + 5 &= (\sqrt{4} + 3 + 2)! + 10. \\
5054 &:= (\sqrt{9})! + 8 + 7 \times 6! &= (5 + \sqrt{4}) \times (3!! + 2) + 1 - 0!. \\
5057 &:= 9 + 8 + 7 \times 6! &= (5 + \sqrt{4})! - 3 + 21 - 0!. \\
5058 &:= 9 + 8 + 7! + 6 - 5 &= 4! - 3! + ((2 + 1)! + 0!)!.
\end{aligned}$$



$$\begin{aligned}
 5062 &:= -98 + 7 \times 6! + 5! &= (4 + 3)! + 21 + 0!. \\
 5063 &:= 9 + 8 + 7! + 6 &= (5 + \sqrt{4})! + 3 + 21 - 0!. \\
 5065 &:= (\sqrt{9})! + 8 + 7! + 6 + 5 &= 4! + (3! + 2 - 1)! + 0!. \\
 5066 &:= -(\sqrt{9})! - 8 + 7! &= 6 + (5 + \sqrt{4}) \times 3!! + 2 \times 10. \\
 5067 &:= -\sqrt{\sqrt{\sqrt{\sqrt{9^8}} + 7!} + 6} \times 5 &= 4! + 3 + ((2 + 1)! + 0)!. \\
 5068 &:= -98 + 7! + 6 + 5! &= (4 + 3!!) \times ((2 + 1)! + 0)!. \\
 5070 &:= (-9 + 87) \times 65 &= 4! + 3! + ((2 + 1)! + 0)!. \\
 5072 &:= -(\sqrt{9})! + 8 + 7! + 6 \times 5 &= (4 + 3)! + \sqrt{2^{10}}. \\
 5088 &:= (\sqrt{9})! \times 8 + 7! &= \sqrt{6! \times 5} + (4 + 3)! - 2 - 10. \\
 5102 &:= ((\sqrt{9})!! + 8) \times 7 + 6 &= (5 + \sqrt{4}) \times 3^{(2+1)!} - 0!. \\
 5104 &:= -9 + 8 + 7! + 65 &= 4^3 + ((2 + 1)! + 0)!. \\
 5112 &:= 9 \times 8 \times (76 - 5) &= 4! \times (3 + 210). \\
 5118 &:= 9 \times 8 + 7! + 6 &= 5 \times 4^{3+2} - 1 - 0!. \\
 5120 &:= \sqrt{\sqrt{9^8} + 7!} - 6 + 5 &= \sqrt{4^{(3^2)}} \times 10. \\
 5121 &:= \sqrt{\sqrt{9^8} + 7!} &= 6 - 5 + 4^{3!} + 2^{10}. \\
 5130 &:= (\sqrt{9})!!/8 + 7! &= (-6 + 5!) \times (43 + 2) + 1 - 0!. \\
 5138 &:= 98 + 7! &= 6! - 5^4 + 3 + ((2 + 1)! + 0)!. \\
 5174 &:= (\sqrt{9})! + 8 + 7 \times 6! + 5! &= (4! \times 3)^2 - 10. \\
 5182 &:= (\sqrt{9})! - 8 + 7! + 6!/5 &= (4! \times 3)^2 - 1 - 0!. \\
 5194 &:= 98 \times (-7 + \sqrt{6! \times 5}) &= (4! \times 3)^2 + 10. \\
 5662 &:= -98 + 7! + 6! &= 5^4 - 3 + ((2 + 1)! + 0)!. \\
 5704 &:= ((\sqrt{9})!! - 8) \times 7 + 6! &= (5! + 4) \times (3!^2 + 10). \\
 5710 &:= (\sqrt{9})! + 8 \times (-7 + 6!) &= (-5 + (4 \times 3!)^2) \times 10. \\
 5712 &:= -(\sqrt{9})! \times 8 + 7! + 6! &= ((5 - \sqrt{4})!! - 3!) \times (-2 + 10). \\
 5720 &:= (9 - 8 + 7) \times (6! - 5) &= 4 \times (3!! \times 2 - 10). \\
 5736 &:= -\sqrt{9} \times 8 + 7! + 6! &= (-5 + \sqrt{4} + 3!!) \times (-2 + 10). \\
 5751 &:= -9 + 8!/7 &= 6 - 5 + 4 \times 3!! \times 2 - 10. \\
 5754 &:= -(\sqrt{9})! + 8!/7 &= 6 + (5! \times 4! - 3!) \times 2 + 1 - 0!. \\
 5755 &:= \sqrt{9} - 8 + 7! + 6! &= 5 + 4 \times 3!! \times 2 - 10. \\
 5757 &:= -9 + 8!/7 + 6 &= 5 + 4 \times (3!! \times 2 - 1 - 0!). \\
 5763 &:= \sqrt{9} + 8!/7 \times (6 - 5) &= 4 \times (3!! \times 2 + 1) - 0!. \\
 5766 &:= (\sqrt{9})! + 8!/7 &= 6 \times 5 + 4! \times (3!!/(2 + 1) - 0!). \\
 5769 &:= 9 + 8!/7 &= 6 + 5 - \sqrt{4} + 3!! \times (-2 + 10). \\
 5777 &:= -\sqrt{9} + (8! - 7!)/6 &= 5! + 4 \times (3!! \times 2 - 1) + 0!. \\
 5784 &:= -(\sqrt{9})! + 8!/7 + 6 \times 5 &= 4! - 3!! \times (2 - 10). \\
 5800 &:= (9 - 8 + 7) \times (6! + 5) &= 4 \times (3!! \times 2 + 10). \\
 5808 &:= (\sqrt{9})! \times 8 + 7! + 6! &= ((5 - \sqrt{4})!! + 3!) \times (-2 + 10). \\
 5810 &:= -(\sqrt{9})! + 8 \times (7 + 6!) &= (5 + (4 \times 3!)^2) \times 10. \\
 5816 &:= ((\sqrt{9})!! + 8) \times 7 + 6! &= (5 + \sqrt{4} + 3!!) \times (-2 + 10). \\
 5833 &:= 9 + 8 \times (-7 + 6!) + 5! &= (4! - 3!)^{2+1} + 0!. \\
 5836 &:= (\sqrt{9})!! \times 8 + 76 &= 5 + (4! - 3!)^{2+1} - 0!. \\
 5877 &:= -\sqrt{9} + (8! - 7!)/6 &= 5! + 4 \times (3!! \times 2 - 1) + 0!. \\
 5883 &:= \sqrt{9} + (8! - 7!)/6 &= 5! + 4 \times (3!! \times 2 + 1) - 0!. \\
 5952 &:= 9 \times 8 + 7! + 6! + 5! &= (4! + 3!!) \times (-2 + 10). \\
 6000 &:= ((\sqrt{9})!! + 8! - 7!)/6 &= 5! \times (4 + 3 - 2) \times 10. \\
 6168 &:= (-\sqrt{9} + 8)! + 7! \times 6/5 &= 4! + 3! \times 2^{10}. \\
 6300 &:= 9 \times (-8 - 7 + 6! - 5) &= (4! + 3!) \times 210. \\
 6408 &:= 9 \times (-8!/7! + 6!) &= (5 + 4) \times (3!! + 2 - 10). \\
 6417 &:= -\sqrt{\sqrt{\sqrt{9^8}} \times (7 - 6)!} &= (5 + 4) \times (3!! - (2 + 1)! - 0!). \\
 6472 &:= (\sqrt{9})!! - 8 + 7! + 6! &= (5 + 4) \times 3!! + 2 - 10. \\
 6473 &:= (\sqrt{9})!! \times 8 - 7 + 6! &= (5 + 4) \times (3!! + (2 + 1)! + 0!). \\
 6488 &:= (\sqrt{9})!! + 8 + 7! + 6! &= (5 + 4) \times (3!! + 2 - 1) - 0!. \\
 6536 &:= (\sqrt{9})!! + 8 \times (7 + 6!) &= 5\sqrt{4} + 3^{(-2+10)}. \\
 6560 &:= \sqrt{9^8} - 7 + 6 &= (5 + 4) \times 3^{(2+1)!} - 0!. \\
 6561 &:= 9 \times (8!/7! + 6!) + 5 + 4 &= 3^{(-2+10)}. \\
 6563 &:= \sqrt{9^8} + \sqrt{(-7 + 6 + 5)} &= \sqrt{4} + 3^{(-2+10)}. \\
 6565 &:= \sqrt{9^8} - 7 + 6 + 5 &= 4 + 3^{(-2+10)}. \\
 6567 &:= \sqrt{9^{8!/7!}} + 6 &= (5 - \sqrt{4})! + 3^{(-2+10)}. \\
 6568 &:= \sqrt{9^8} + 7 &= 6 + 5 - 4 + 3^{(-2+10)}. \\
 6585 &:= \sqrt{9^8} + (-7 + 6 + 5)! &= 4! + 3^{(-2+10)}. \\
 6600 &:= -(\sqrt{9})!! + 8 \times 7!/6 &= (-5!/\sqrt{4} + (3 \times 2)!) \times 10. \\
 6615 &:= 9 \times (8 + 7 + 6!) &= 54 + 3^{(-2+10)}. \\
 6719 &:= -(\sqrt{9})! + 8 \times 7!/6 &= 5 \times 4^3 \times 21 - 0!. \\
 6721 &:= ((\sqrt{9})! + 8!)/(7 - 6 + 5) &= (\sqrt{4^3})!/(2 + 1)! + 0!. \\
 6960 &:= (-\sqrt{9} + 8)! \times (-7 + 65) &= (-4! + (3 \times 2)!) \times 10. \\
 7140 &:= (9 + 8) \times 7 \times \sqrt{6! \times 5} &= (-4 + 3!! - 2) \times 10. \\
 7160 &:= ((\sqrt{9})!! - 8!/7! + 6!) \times 5 &= (-4 + (3 \times 2)!) \times 10. \\
 7182 &:= \sqrt{\sqrt{\sqrt{9^8}} \times 7 \times (-6 + 5)!} &= \sqrt{4} + (3!! - 2) \times 10. \\
 7220 &:= (9 + 8 - 7) \times 6! + 5 \times 4 &= (3!! + 2) \times 10. \\
 7274 &:= \sqrt{9^8} - 7 + 6! &= 54 + (3!! + 2) \times 10. \\
 7281 &:= \sqrt{9^{8!/7!}} + 6! &= (\sqrt{5 + 4})!! + 3^{(-2+10)}. \\
 7440 &:= -(\sqrt{9})! \times 8 \times 7 + 6^5 &= (4! + (3 \times 2)!) \times 10. \\
 7488 &:= 9 \times (-8 + 7!/6) &= (5! \times \sqrt{4} - 3!) \times \sqrt{2^{10}}. \\
 7559 &:= -(\sqrt{9})! + 8! + 7!/6 &= 5 \times 4! \times 3 \times 21 - 0!. \\
 7569 &:= 9 + (8! + 7!)/6 &= ((5 + 4!) \times 3)^2 + 1 - 0!. \\
 7680 &:= -9 - 87 + 6^5 &= 4! \times 32 \times 10. \\
 7705 &:= -\sqrt{9} \times (9 - 8 + 7!) + 6^5 &= 4! \times 321 + 0!. \\
 7728 &:= -(\sqrt{9})! \times 8!/7! + 6^5 &= 4! \times (321 + 0!). \\
 7776 &:= -9 - 8 - 7 + 6^5 + 4! &= 3!^{((2+1)!-0!)}. \\
 7778 &:= \sqrt{\sqrt{\sqrt{9^8}} - 7 + 6^5} &= \sqrt{4} + 3!^{((2+1)!-0!)}. \\
 7780 &:= \sqrt{9} + 8 - 7 + 6^5 &= 4 + 3!^{((2+1)!-0!)}. \\
 7800 &:= 9 + 8 + 7 + 6^5 &= 4! + 3!^{((2+1)!-0!)}. \\
 7920 &:= (\sqrt{9})!! \times (8 - 7) \times (6 + 5) &= 4 \times 3!! + ((2 + 1)! + 0)!. \\
 8064 &:= (98/7 - 6!)/5 &= \sqrt{4} \times (3! + 2)!/10. \\
 8190 &:= (9 + 8 \times 7) \times (6 + 5!) &= 4^{3!} \times 2 - 1 - 0!. \\
 8192 &:= -(\sqrt{9})! + 8)^{7+6} &= (5!/4! + 3) \times 2^{10}. \\
 8202 &:= -(\sqrt{9})! + ((8!/7!) + 6!)/5 &= 4^{3!} \times 2 + 10. \\
 8352 &:= -(\sqrt{9})!! + (8! + 7 \times 6!)/5 &= (-4! + 3!!) \times (2 + 10). \\
 8400 &:= (9 + 8 - 7) \times (6! + 5!) &= 4! \times (3!!/2 - 10).
 \end{aligned}$$

$$8616 := ((\sqrt{9})!! + (8! - 7!/6)/5) = (-\sqrt{4} + 3!!) \times (2 + 10).$$

$$8628 := ((\sqrt{9})!! - 8 + 7) \times \sqrt{6!/5} = 4 \times 3 \times ((2 + 1)!! - 0!).$$

$$8630 := ((\sqrt{9})! - 8) \times (-7! + 6! + 5) = 4! \times 3!!/2 - 10.$$

$$8638 := (\sqrt{9})! - 8 + 7! + 6! \times 5 = 4! \times 3!!/2 - 1 - 0!.$$

$$8650 := (-\sqrt{9})! + 8) \times (7! - 6! + 5) = 4! \times 3!!/2 + 10.$$

$$8652 := ((\sqrt{9})!! + 8 - 7) \times \sqrt{6!/5} = 4 \times 3 \times ((2 + 1)!! + 0!).$$

$$8784 := (\sqrt{9})!! + 8 \times 7 \times 6!/5 = 4!^3 - ((2 + 1)! + 0!)!$$

$$8880 := ((\sqrt{9})! - 8) \times (-7! + 6! - 5!) = 4! \times (3!!/2 + 10).$$

$$9000 := (-9 + 8 + 76) \times 5! = (4! + 3!)^2 \times 10.$$

$$9030 := -(\sqrt{9})!!/8 + 76 \times 5! = 43 \times 210.$$

$$9120 := (-\sqrt{9} + 8)! \times 76 = 5! \times 4 \times (-3 + 21 + 0!).$$

$$9216 := ((\sqrt{9})!! + 8! + 7 \times 6!/5) = (4! - (3 + 2)!)^{1+0!}.$$

$$9256 := ((\sqrt{9})!! - 8) \times (7 + 6) = 5! + 4^3! + ((2 + 1)! + 0!)!$$

$$10070 := (-\sqrt{9})! + 8) \times (7 \times 6! - 5) = (4 + 3)! \times 2 - 10.$$

$$10074 := -(\sqrt{9})! + (8 + 76) \times 5! = \sqrt{4} \times (-3 + ((2 + 1)! + 0!)!).$$

$$10076 := -9 + 8! - 7! \times 6 + 5 = ((4 + 3)! - 2) \times (1 + 0!).$$

$$10082 := -\sqrt{9} + 8! - 7! \times 6 + 5 = (4 + 3)! \times 2 + 1 + 0!.$$

$$10083 := \sqrt{9} + 8! - 7! \times 6 = 5 + (4 + 3)! \times 2 - 1 - 0!.$$

$$10090 := (-\sqrt{9})! + 8) \times (7 \times 6! + 5) = (4 + 3)! \times 2 + 10.$$

$$10440 := (\sqrt{9})!! \times 87/6 = (5! - 4) \times 3^2 \times 10.$$

$$10791 := -9 + (8 + 7) \times 6! = 5 \times (-\sqrt{4} + 3 \times (2 + 1)!) + 0!.$$

$$10809 := 9 + (8 + 7) \times 6! = 5 \times (\sqrt{4} + 3!! \times (2 + 1)) - 0!.$$

$$11601 := \sqrt{9^8} + 7! = (6 + 5 - 4)! + 3^{(-2+10)}.$$

$$11760 := ((\sqrt{9})! + 8) \times 7!/6 = (5! - 4^3) \times 210.$$

$$12121 := (9 + 8) \times (-7 + 6!) = 5! \times ((4 + 3!)^2 + 1) + 0!.$$

$$12288 := \sqrt{9} \times 8^{(-7+6+5)} = 4 \times 3 \times 2^{10}.$$

$$12321 := \sqrt{9^8} + 7! + 6! = (-5! + 4 + 3 + 2)^{1+0!}.$$

$$12840 := \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times (7! - 6!) - 5! = 4 \times 3210.$$

$$13104 := (98 - 7) \times 6!/5 = 4!^3 - (2 + 1)!! \times 0!.$$

$$13122 := \sqrt{9^8} \times \sqrt{(-7 + 6 + 5)} = \sqrt{4} \times 3^{(-2+10)}.$$

$$13439 := (-\sqrt{9} + 8!)/\sqrt{\sqrt{76 + 5}} = (\sqrt{4^3})!/(2 + 1) - 0!.$$

$$13832 := ((\sqrt{9})!! + 8) \times (7 + \sqrt{6!/5}) = 4!^3 - 2 + 10.$$

$$14280 := (9 + 8) \times 7!/6 = 5! + (-4! + 3!! \times 2) \times 10.$$

$$14640 := ((-\sqrt{9})! + 8)^7 - 6) \times 5! = (4! + 3!! \times 2) \times 10.$$

$$15097 := \sqrt{9} \times (-8 + 7!) + 6 - 5 + 4! = 3!! \times 21 + 0!.$$

$$15099 := \sqrt{9} \times (-8 + 7! + 6 - 5) = (4! - 3) \times ((2 + 1)!! - 0!).$$

$$15119 := \sqrt{9} \times (-8 + 7!) - 6 + 5 + 4! = 3!! \times 21 - 0!.$$

$$15121 := -\sqrt{9} + 8! - 7 \times 6! \times 5 + 4 = 3!! \times 21 + 0!.$$

$$15123 := \sqrt{9} + 8! - 7 \times 6! \times 5 = 4 + 3!! \times 21 - 0!.$$

$$15141 := \sqrt{9} \times (8 + 7! - 6 + 5) = (4! - 3) \times ((2 + 1)!! + 0!).$$

$$15143 := \sqrt{9} \times (8 + 7!) - 6 + 5 = 4! + 3!! \times 21 - 0!.$$

$$15161 := \sqrt{9} \times (-8 + 7!) + 65 = (\sqrt{4} + 3!!) \times 21 - 0!.$$

$$15552 := (\sqrt{9} - 8 + 7) \times 6^5 = \sqrt{4} \times 3!^{((2+1)!-0!)}.$$

$$15816 := \sqrt{9} \times (-8 + 7!) + 6 \times 5! = -4! + 3!! \times (21 + 0!).$$

$$15840 := (\sqrt{9} + 8) \times (7! - 6! \times 5) = (\sqrt{4} \times 3!) \times (21 + 0!).$$

$$16128 := (-\sqrt{9})! + 8)^7 \times (6 + 5!) = 4 \times (3! + 2)!/10.$$

$$16368 := (\sqrt{9})! \times (-8 - 7! + 6^5) = (4! + 3!!) \times (21 + 0!).$$

$$16752 := \sqrt{9} \times (8 \times (-7 + 6!) - 5!) = 4! \times (3!! - 21 - 0!).$$

$$16800 := (98 + 7 \times 6) \times 5! = 4! \times (3!! - 2 \times 10).$$

$$17088 := \sqrt{9} \times (8 \times (7 + 6!) - 5!) = 4! \times (3!! + 2 - 10).$$

$$17160 := (9 + 8 + 7) \times (6! - 5) = 4! \times (3!! - (2 + 1)! + 0!).$$

$$17262 := \sqrt{9} \times (8!/7 - 6) = 5 + 4! \times ((3 \times 2)! - 1) + 0!.$$

$$17285 := \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} \times (7! + 6!) + 5 = 4! \times 3!! + (2 + 1)! - 0!.$$

$$17303 := \sqrt{9} \times (8!/7 + 6) + 5 = 4! \times ((3 \times 2)! + 1) - 0!.$$

$$17304 := \sqrt{9} \times (8 + 7! + 6!) = 5! + (-4 + 3!!) \times (2 + 1 + 0!)!$$

$$17376 := \sqrt{9} \times (-8 + 7! + 6!) + 5! = (4 + 3!!) \times (2 + 1 + 0!)!$$

$$17376 := \sqrt{9} \times (-8 + 7! + 6!) + 5! = 4! \times (3!! + 2 + 1 + 0!).$$

$$17400 := \sqrt{9} \times 8!(7!/6!) + 5! = 4! \times (3! + (2 + 1)!! - 0!).$$

$$17472 := \sqrt{9} \times (8 \times (-7 + 6!) + 5!) = 4! \times (3!! - 2 + 10).$$

$$17760 := \sqrt{9} \times (8! - 7!)/6 + 5! = 4! \times ((3 \times 2)! - 10).$$

$$17856 := (-\sqrt{9})! + 8) \times 7! + 6^5 = (4! + 3!!) \times (2 + 1 + 0!)!$$

$$18432 := (-\sqrt{9})! + 8)^7 \times 6!/5 = (4! - 3!) \times 2^{10}.$$

$$20480 := (\sqrt{9} + 8 - 7)^6 \times 5 = 4^3!/2 \times 10.$$

$$21570 := ((\sqrt{9})!! - 8 + 7) \times 6 \times 5 = (4! + 3!) \times ((2 + 1)!! - 0!).$$

$$21599 := -9 + 8 + (7! - 6!) \times 5 = (4! + 3!) \times (2 + 1)!! - 0!.$$

$$21601 := 9 - 8 + (7! - 6!) \times 5 = (4! + 3!) \times (2 + 1)!! + 0!.$$

$$21630 := (\sqrt{9})! \times (8 - 7 + 6!) \times 5 = (4! + 3!) \times ((2 + 1)!! + 0!).$$

$$22680 := \sqrt{9} \times (8! + 7!)/6 = (5! - 4 \times 3) \times 210.$$

$$23040 := (\sqrt{9})!! \times 8 \times (-7 + 6 + 5) = (\sqrt{4} \times 3!) \times \sqrt{2^{10}}.$$

$$23040 := (\sqrt{9} - 8 + 7 + 6) \times 5! \times 4! = 3!! \times \sqrt{2^{10}}.$$

$$24576 := (\sqrt{9})! \times 8^{(-7+6+5)} = 4 \times 3! \times 2^{10}.$$

$$26244 := \sqrt{9^8} \times (-7 + 6 + 5) = 4 \times 3^{(-2+10)}.$$

$$29512 := -(\sqrt{9})!! - 8 + 7! \times 6 = (5! + 4^3!) \times ((2 + 1)! + 0!).$$

$$29808 := (-9 + 8 + 7!) \times 6 = (5! + 4!) \times (-3 + 210).$$

$$30120 := -(-\sqrt{9} + 8)! + 7! \times 6 = 5! \times (4 \times 3 \times 21 - 0!).$$

$$30198 := (\sqrt{9})! \times (-8 + 7!) + 6 = (5 + \sqrt{4}) \times 3! \times ((2 + 1)!! - 0!).$$

$$30216 := -\sqrt{9} \times 8 + 7! \times 6 = (5 + \sqrt{4})! \times 3! - (2 + 1 + 0!)!$$

$$30223 := -9 - 8 + 7! \times 6 = ((5 + \sqrt{4})! - 3) \times (2 + 1)! + 0!.$$

$$30243 := \sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7! \times 6 = 5 + \sqrt{4} \times (3!! \times 21 - 0!).$$

$$30257 := 9 + 8 + 7! \times 6 = ((5 + \sqrt{4})! + 3) \times (2 + 1)! - 0!.$$

$$30258 := (\sqrt{\sqrt{\sqrt{\sqrt{9^8}}}} + 7!) \times 6 = (5 - \sqrt{4})! \times (3 + ((2 + 1)! + 0!)!).$$

$$30917 := (\sqrt{9})!! - (8 - 7!) \times 6 + 5 = 43 \times ((2 + 1)!! - 0!).$$

$$31104 := (\sqrt{9} + 8 - 7) \times 6^5 = 4! \times (3!)^{2+1+0!}.$$

$$31680 := (\sqrt{9})!! \times (8 \times 7 - \sqrt{6!/5}) = \sqrt{4} \times 3!! \times (21 + 0!).$$

$$32768 := (98/7 - 6)^5 = (\sqrt{4})^{3+2+10}.$$

$$34224 := (\sqrt{9})! \times 8 \times (-7 + 6!) = (-5! + 4! \times (3!! - 2)) \times (1 + 0!).$$

$$34320 := (\sqrt{9})! \times 8!/7! \times (6! - 5) = 4! \times (3!! \times 2 - 10).$$

$$34464 := (\sqrt{9})! \times 8 \times (-7 + 6! + 5) = 4! \times (3!! - 2) \times (1 + 0!).$$

$$34512 := (\sqrt{9})! \times (-8 + 7! + 6 \times 5!) = 4! \times (3!! \times 2 - 1 - 0!).$$

$$34524 := (-\sqrt{9})! + 8!/7) \times 6 = (5! \times 4! - 3) \times (2 + 10).$$

$$\begin{aligned}
 34542 &:= (-\sqrt{9} + 8!/7) \times 6 &= 5 + 4! \times (3!! \times 2 - 1) + 0!. \\
 34556 &:= -9 + 8! - 7! - 6! + 5 &= (4! \times 3!! - 2) \times (1 + 0!). \\
 34562 &:= -\sqrt{9} + 8!/7 \times 6 + 5 &= 4! \times 3!! \times 2 + 1 + 0!. \\
 34563 &:= \sqrt{9} + 8!/7 \times 6 &= 5 + 4! \times 3!! \times 2 - 1 - 0!. \\
 34578 &:= (\sqrt{9} + 8!/7) \times 6 &= -5 + 4! \times (3!! \times 2 + 1) - 0!. \\
 34583 &:= (\sqrt{9} + 8!/7) \times 6 + 5 &= 4! \times (3!! \times 2 + 1) - 0!. \\
 34608 &:= (\sqrt{9})! \times (8 + 7! + 6!) &= (54 - 3!) \times ((2 + 1)!! + 0!). \\
 34656 &:= (\sqrt{9})! \times 8 \times (7 + 6! - 5) &= 4! \times (3!! + 2) \times (1 + 0!). \\
 36864 &:= 9 \times 8^{(-7+6+5)} &= (4! \times (3! + 2))^{1+0!}. \\
 38160 &:= (-\sqrt{9} + 8 \times 7) \times 6! &= 5! \times (-4! + 3!) + (-2 + 10)!. \\
 39366 &:= (\sqrt{9})^{8!/7!} \times 6 &= (5 - \sqrt{4})^{3^2} \times (1 + 0!). \\
 39601 &:= \sqrt{9} + 8! - 7 - 6! + 5 &= (\sqrt{4^3})! - (2 + 1)!! + 0!. \\
 39624 &:= -(\sqrt{9})!! + 8! + (-7 + 6 + 5)! &= 4! - 3!! + (-2 + 10)!. \\
 40200 &:= (98/7 - 6)! &= 5! + (\sqrt{4^3})! - ((2 + 1)! - 0!)!. \\
 40263 &:= -9 + 8 \times (7! - 6) &= (5 - 4!) \times 3 + (-2 + 10)!. \\
 40310 &:= 9 + 8 \times (7! - 6) + 5 + 4! &= (3! + 2!) - 10. \\
 40316 &:= -9 + 8! \times (7 - 6) + 5 &= (\sqrt{4^3})! - 2 - 1 - 0!. \\
 40317 &:= -9 + 8 \times 7! + 6 &= 5 + (4!/3!) + 2 - 10. \\
 40333 &:= (\sqrt{9})! + 8! + 7!/6! &= 5 + 4!/3 + (-2 + 10)!. \\
 40334 &:= -9 + 8! - 7 + 6 \times 5 &= 4! + (3! + 2)! - 10. \\
 40335 &:= 9 + 8 \times 7! + 6 &= 5 + (-4! + 32!) + 10. \\
 40336 &:= 9 + 8! + 7 &= 6 + 5 + \sqrt{4} + 3 + (-2 + 10)!. \\
 40338 &:= 9 + 8! + \sqrt{76 + 5} &= 4! - 3! + (-2 + 10)!. \\
 40340 &:= 9 + 8 \times 7! + 6 + 5 &= (\sqrt{4^3})! + 21 - 0!. \\
 40346 &:= \sqrt{9} + 8! - 7 + 6 \times 5 &= 4! + (3! + 2)! + 1 + 0!. \\
 40347 &:= 9 + 8! + 7 + 6 + 5 &= 4! + 3 + (-2 + 10)!. \\
 40350 &:= (\sqrt{9})! \times (8 \times 7!/6 + 5) &= 4! + 3! + (-2 + 10)!. \\
 40352 &:= 9 + 8! - 7 + 6 \times 5 &= (\sqrt{4^3})! + \sqrt{2^{10}}. \\
 40356 &:= -(\sqrt{9})! + 8! + 7 \times 6 &= (5 - \sqrt{4})! \times 3! + (-2 + 10)!. \\
 40359 &:= -9 + 8 \times (7! + 6) &= 5 + 4! + (3! + 2)! + 10. \\
 40362 &:= -(\sqrt{9})! + 8 \times (7! + 6) &= (5 + \sqrt{4}) \times 3! + (-2 + 10)!. \\
 40363 &:= (\sqrt{9})! + 8! + 7 + 6 \times 5 &= 43 + (-2 + 10)!. \\
 40368 &:= (\sqrt{9})! + 8! + 7 \times 6 &= 5 + 43 + (-2 + 10)!. \\
 40371 &:= 9 + 8! + 7 \times 6 &= 54 - 3 + (-2 + 10)!. \\
 40390 &:= -(\sqrt{9})! + 8! + 76 &= 5!/ \sqrt{4} + (3! + 2)! + 10. \\
 40440 &:= (98/7 - 6)! + 5! &= (\sqrt{4^3})! + ((2 + 1)! - 0!)!. \\
 40464 &:= (\sqrt{9})!! \times 8 \times 7 + 6!/5 &= 4! \times 3! + (-2 + 10)!. \\
 40960 &:= (-\sqrt{9})! + 8)^{7+6} \times 5 &= 4^{3 \times 2} \times 10. \\
 41037 &:= -\sqrt{9} + 8 \times 7! + 6! &= (5 - \sqrt{4})!! - 3 + (-2 + 10)!. \\
 41040 &:= -9 + 8! + 7 + 6 \times 5! + \sqrt{4} &= 3!! + (-2 + 10)!. \\
 41039 &:= (\sqrt{9})! + 8! - 7 + 6! &= (-5 + 4!) \times 3 \times (2 + 1)!! - 0!. \\
 41042 &:= 9 + 8! - 7 + 6 \times 5! &= \sqrt{4} \times 3!! + (-2 + 10)!. \\
 41043 &:= \sqrt{9} + 8 \times 7! + 6! &= (5 - \sqrt{4})!! + 3 + (-2 + 10)!. \\
 41044 &:= -\sqrt{9} + 8! + 7 + 6 \times 5! &= 4 + 3!! + (-2 + 10)!. \\
 41047 &:= (\sqrt{9})!! + 8! + 7 &= 6! + 5 - 4 + 3! + (-2 + 10)!. \\
 41049 &:= 9 + 8 \times 7! + 6! &= (5 - \sqrt{4})^{3!} + (-2 + 10)!. \\
 41050 &:= \sqrt{9} + (8! + 7 + 6!) &= 5 \times \sqrt{4} + 3!! + (-2 + 10)!. \\
 41064 &:= (\sqrt{9})!! + 8! + (-7 + 6 + 5)! &= 4! + 3!! + (-2 + 10)!. \\
 41320 &:= (\sqrt{9})!! + 8 \times 7! - 6 - (5 - \sqrt{4})!! + 3! = (-2 + 10)!. \\
 41760 &:= (\sqrt{9})!! + 8 \times 7! + 6 \times 5! &= \sqrt{4} \times 3!! + (-2 + 10)!. \\
 43200 &:= (-\sqrt{9} + 8 + 7) \times 6! \times 5 &= 4 \times 3!! + (-2 + 10)!. \\
 43926 &:= -(\sqrt{9})!! + 8! + 7! &= 6 + 5 \times (\sqrt{4} \times 3!) + (-2 + 10)!. \\
 45288 &:= 9 \times (-8 + 7!) &= (6 + 5) \times (4^{3!} + 21) + 0!. \\
 45306 &:= \sqrt{\sqrt{\sqrt{9^8}} \times (7! - 6)} &= (5 + 4) \times (-3! + ((2 + 1)! + 0!)!). \\
 45363 &:= \sqrt{9} + 8! + 7! &= 6 + \sqrt{5 + 4} \times (3!! \times 21 - 0!). \\
 45366 &:= (\sqrt{9})! + 8! + 7 \times 6! &= (5 + \sqrt{4})! + 3! + (-2 + 10)!. \\
 45369 &:= 9 + 8! + 7 \times 6! &= (5 \times 43 - 2)^{1+0!}. \\
 45927 &:= \sqrt{9^8} \times 7!/6! &= (5 + \sqrt{4}) \times 3^{(-2+10)}. \\
 46079 &:= (\sqrt{9})! - 8! - 7 + 6! \times 5! &= 4^3 \times (2 + 1)!! - 0!. \\
 46080 &:= (\sqrt{9})!! + 8! + 7! &= 6 \times 5! + (4 + 3)! + (-2 + 10)!. \\
 46081 &:= -(\sqrt{9})! - 8! + 7 + 6! \times 5! &= 4^3 \times (2 + 1)!! + 0!. \\
 46655 &:= (-9 + 8 + 7)^6 - 5 + 4 &= (3!)^{(2+1)!} - 0!. \\
 46657 &:= (9 - 8)^7 + 6^{(\sqrt{5+4})!} &= (3!)^{(2+1)!} + 0!. \\
 46661 &:= (-9 + 8 + 7)^6 + 5 &= 4 + (3!)^{(2+1)!} + 0!. \\
 47520 &:= (\sqrt{9} + 8) \times (7! - 6!) &= \sqrt{5 + 4} \times 3!! \times (21 + 0!). \\
 48960 &:= (\sqrt{9})!! \times (-8 + 76) &= 5! \times 4! \times (-3 + 2 \times 10). \\
 51768 &:= 9 \times (-8 + 7! + 6!) &= \sqrt{(5! + 4!)} \times 3! \times ((2 + 1)!! - 0!). \\
 51768 &:= 9 \times (-8 + 7! + 6 \times 5!) &= 4! \times 3 \times ((2 + 1)!! - 0!). \\
 52488 &:= \sqrt{9^8} \times (7 + 6 - 5) &= 4! \times 3^{(2+1)!+0!}. \\
 53280 &:= \left( \sqrt{\sqrt{9^8}} - 7 \right) \times 6! &= (5! + 4!) \times (3!!/2 + 10). \\
 56880 &:= (9 \times 8 + 7) \times 6! &= (5! \times 4 - 3!) \times ((2 + 1)! - 0!)!. \\
 59049 &:= (9 \times (8 - 7)^6)^5 &= (4 - 3 + 2)^{10}. \\
 60479 &:= -9 + 8 + 7! \times \sqrt{6!/5} &= 4 \times 3!! \times 21 - 0!. \\
 60481 &:= 9 - 8 + 7! \times \sqrt{6!/5} &= 4 \times 3!! \times 21 + 0!. \\
 61920 &:= -(\sqrt{9})!! + 87 \times 6! &= 5! \times 43 \times (2 + 10). \\
 62640 &:= (\sqrt{9})!! \times 87 &= 6 \times (5! - 4) \times 3^2 \times 10. \\
 65526 &:= (\sqrt{9})! + 8! + 7 \times 6! \times 5 &= 4^{3!+2} - 10. \\
 70560 &:= ((\sqrt{9})! + 8) \times 7! &= (6 + 5 - 4!) \times (3! - 2 + 10). \\
 77040 &:= (9 - 87 + 6!) \times 5! &= 4! \times 3210. \\
 78124 &:= (-\sqrt{9} + 8)^7 - 6 + 5 &= 6! + 5^{(4+3)} - (2 + 1)!! - 0!. \\
 78125 &:= (-\sqrt{9} + 8)^{7!/6!} &= 5^{(4+3)} - 2 + 1 + 0!. \\
 78125 &:= (-\sqrt{9} + 8)^7 \times (6 - 5) &= (\sqrt{4} + 3)^{(2+1)!+0!}. \\
 79200 &:= -(\sqrt{9})!! + 8! \times (7!/6! - 5) &= \sqrt{4} \times (-3!! + (-2 + 10)!). \\
 80628 &:= -(\sqrt{9})! + 8! \times (7!/6! - 5) &= \sqrt{4} \times (-3! + (-2 + 10)!). \\
 80632 &:= -(\sqrt{9})!! - 8 - 7! + 6! \times 5! &= (-4 + (3! + 2)!) \times (1 + 0!). \\
 80634 &:= -(\sqrt{9})! - 8!/7 + 6! \times 5! &= \sqrt{4} \times (-3 + (-2 + 10)!). \\
 80637 &:= -\sqrt{9} - 8!/7 + 6! \times 5! &= \sqrt{4} \times ((3! + 2)! - 1) - 0!. \\
 80643 &:= \sqrt{9} - 8!/7 + 6! \times 5! &= \sqrt{4} \times ((3! + 2)! + 1) + 0!. \\
 80646 &:= (\sqrt{9})! + 8! + (7 + 6 - 5)! &= \sqrt{4} \times (3 + (-2 + 10)!). \\
 80648 &:= -(\sqrt{9})!! + 8 - 7! + 6! \times 5! &= (4 + (3! + 2)!) \times (1 + 0!). \\
 80652 &:= ((\sqrt{9})! + 8!) \times (7!/6! - 5) &= \sqrt{4} \times (3! + (-2 + 10)!). \\
 81360 &:= ((-\sqrt{9} + 8) - 7) \times 6! &= (5! - 4 - 3) \times (2 + 1)!! \times 0!. \\
 82080 &:= (\sqrt{9})!! \times (8 - 7) \times (-6 + 5!) &= \sqrt{4} \times (3!! + (-2 + 10)!). \\
 82320 &:= 98 \times 7!/6 &= 5! \times (-\sqrt{4} + 3!! - \sqrt{2^{10}}).
 \end{aligned}$$

$$\begin{aligned}
83520 &:= (-9 - 8 - 7 + 6!) \times 5! &= (-4! + 3!!) \times ((2 + 1)! - 0!)!. &133920 &:= \sqrt{9} \times (8! + 7! - 6!) &= (5! + 4!) \times (3!! + 210). \\
84960 &:= (9 + 8) \times 7! - 6! &= 5! \times (-4! + 3!! + 2 + 10). &136080 &:= 9 \times (8! - 7 \times 6! \times 5) &= (4! + 3) \times ((2 + 1)! + 0!)!. \\
85920 &:= (-\sqrt{9} - 8 + 7 + 6!) \times 5! &= (-4 + 3!!) \times ((2 + 1)! - 0!)!. &136800 &:= \sqrt{9} \times (8! + 7!) + 6! &= (-5 + 4!) \times (3 \times 2)! \times 10. \\
86160 &:= (-\sqrt{9} + 8 - 7 + 6!) \times 5! &= (-\sqrt{4} + 3!!) \times ((2 + 1)! - 0!)!. &138240 &:= \sqrt{9} \times 8 \times (7! + 6!) &= 5! \times 4! \times 3! \times (-2 + 10). \\
86280 &:= \sqrt{9} \times (-8 + 7! + 6!) \times 5 &= (\sqrt{4} + 3!) \times ((2 + 1)!! - 0!). &144000 &:= -(\sqrt{9} - 8) \times (7! + 6!) \times 5 &= (\sqrt{4} + 3!)^2 \times 10. \\
86399 &:= -(9 - 8)^7 + 6! \times 5! &= (\sqrt{4} + 3!) \times (2 + 1)!! - 0!. &146160 &:= \sqrt{9} \times 8! + 7 \times 6! \times 5 &= (-4! + 3!!) \times 210. \\
86401 &:= (9 - 8)^7 + 6! \times 5! &= (\sqrt{4} + 3!) \times (2 + 1)!! + 0!. &150780 &:= (\sqrt{9})! \times (-8 + 7! - 6) \times 5 &= (-\sqrt{4} + 3!!) \times 210. \\
86402 &:= \sqrt{9} - 8 + 7 + 6! \times 5! &= \sqrt{4} + 3!! \times ((2 + 1)! - 0!)!. &151198 &:= (\sqrt{9})! - 8 + 7! \times 6 \times 5 &= -\sqrt{4} + 3!! \times 210. \\
86404 &:= \sqrt{9} + 8 - 7 + 6! \times 5! &= 4 + 3!! \times ((2 + 1)! - 0!)!. &151202 &:= -(\sqrt{9})! + 8 + 7! \times 6 \times 5 &= \sqrt{4} + 3!! \times 210. \\
86640 &:= (\sqrt{9} - 8 + 7 + 6!) \times 5! &= (\sqrt{4} + 3!!) \times ((2 + 1)! - 0!)!. &157464 &:= \sqrt{9^8} \times (-7 + 6 + 5)! &= 4! \times 3^{(-2+10)}. \\
86880 &:= \left( -\sqrt{\sqrt{\sqrt{\sqrt{9^8} + 7 + 6!}}} \right) \times 5! &= (4 + 3!!) \times ((2 + 1)! - 0!)!. &158400 &:= (-\sqrt{9})! + 8! \times (-7 + 6 + 5) &= 4 \times (-3!! + (-2 + 10)!). \\
89280 &:= (9 + 8 + 7 + 6!) \times 5! &= (4! + 3!!) \times ((2 + 1)! - 0!)!. &161256 &:= (-\sqrt{9})! + 8! \times (-7 + 6 + 5) &= 4 \times (-3! + (-2 + 10)!). \\
92160 &:= (-\sqrt{9})! + 8!^7 \times 6! &= 5! \times 4^3 \times (2 + 10). &161268 &:= (-\sqrt{9} + 8!) \times (-7 + 6 + 5) &= 4 \times (-3 + (-2 + 10)!). \\
97920 &:= (9 + 8) \times (7! + 6!) &= 5! \times 4 \times (-3! + 210). &161275 &:= -9! + 8! \times (7 + 6) - 5 &= 4 \times ((3! + 2)! - 1) - 0!. \\
98304 &:= \sqrt{9} \times (8 \times (7 - 6))^5 &= 4^{3!} \times (2 + 1 + 0!)!. &161277 &:= -\sqrt{9} + 8! \times (-7 + 6 + 5) &= 4 \times ((3! + 2)! - 1) + 0!. \\
100000 &:= (9 + (8 - 7)^6)^5 &= (4 + 3!)^{(2+1)!-0!}. &161283 &:= \sqrt{9} + 8! \times (-7 + 6 + 5) &= 4 \times ((3! + 2)! + 1) - 0!. \\
103536 &:= (\sqrt{9})! \times (-8 + 7 + 6!)/5 &= 4! \times 3! \times ((2 + 1)!! - 0!). &161292 &:= (\sqrt{9} + 8!) \times (-7 + 6 + 5) &= 4 \times (3 + (-2 + 10)!). \\
103824 &:= ((\sqrt{9})! + 8 - 7) \times 6!/5 &= 4! \times 3! \times ((2 + 1)!! + 0!). &161304 &:= ((\sqrt{9})! + 8!) \times (-7 + 6 + 5) &= 4 \times (3! + (-2 + 10)!). \\
104976 &:= ((\sqrt{9})! + 8! \times (7 + 6))/5 &= (4! - 3!)^{2+1+0!}. &164160 &:= ((\sqrt{9})! + 8!) \times (-7 + 6 + 5) &= 4 \times (3!! + (-2 + 10)!). \\
105120 &:= \sqrt{9} \times (8! - 7!) &= 6! + (5! + 4!) \times ((3 \times 2)! + 10). &172800 &:= (-\sqrt{9} + 8!) \times (7! - 6! \times 5) &= \sqrt{4} \times 3!! \times ((2 + 1)! - 0!)!. \\
105839 &:= \sqrt{9} \times (8! - 7!) &= 6 - 5 + (4 + 3!) \times 21 - 0!. &181392 &:= (\sqrt{9})! \times (-8 + 7! \times 6) &= (-5! + 4! + (3^2)!)/(1 + 0!)!. \\
105846 &:= \sqrt{9} \times (8! - 7!) + 6 &= 5 + (4 + 3!) \times 21 + 0!. &181444 &:= (9! + 8)/(7!/6! - 5) &= 4 + (3^2)!/(1 + 0!)!. \\
106560 &:= \sqrt{9} \times (8! - 7!) + 6! &= 5! \times 4! \times (3!^2 \times 1 + 0!)!. &181488 &:= (\sqrt{9})! \times (8 + 7! \times 6) &= (5! - 4! + (3^2)!)/(1 + 0!)!. \\
107520 &:= (9! + 8! \times 7)/6 &= 5 \times (4! - 3) \times 2^{10}. &201600 &:= 9! - 8! \times (-7 + 6 + 5) &= (\sqrt{4^3})!/2 \times 10. \\
110592 &:= 9!/(8 + 7) + 6! \times 5! &= 4!^3 \times (-2 + 10). &211680 &:= (\sqrt{9})! \times (8! - 7!) &= (6 + 5 - 4!) \times (32 + 10). \\
112896 &:= 98 \times (7! + 6!)/5 &= (-4! + 3!!/2)^{1+0!}. &216720 &:= (\sqrt{9})! \times 8! - 7 \times 6! \times 5 &= 43 \times ((2 + 1)! + 0!)!. \\
115920 &:= \sqrt{9} \times 8! - 7! &= 6! + 5! \times (-4^3 + 2^{10}). &236880 &:= (\sqrt{9})! \times 8! - 7! &= 6! \times (5 + 4 + 321 - 0!)!. \\
117625 &:= -\sqrt{9} \times 8 + 7^6 &= (5 + \sqrt{4})^{3!} - 2 \times (1 + 0!)!. &237600 &:= (\sqrt{9})! \times (8 \times 7! - 6!) &= (5 - \sqrt{4})! \times (-3!! + (-2 + 10)!). \\
117646 &:= -\sqrt{9!}/8! + 7^6 &= (5 + \sqrt{4})^{3!} - 2 \times 1 - 0!. &241824 &:= (-9 + 8! - 7) \times 6 &= -5! + 4! + 3! \times (-2 + 10)!!. \\
117648 &:= -9 + 8 + 7^6 &= (5 + \sqrt{4})^{3!} - 2 \times 1 - 0!. &241860 &:= (-\sqrt{9} + 8! - 7) \times 6 &= (5 - \sqrt{4})! \times ((3! + 2)! - 10). \\
117650 &:= 9 - 8 + 7^{6!/5!} &= (4 + 3)^{(2+1)!} + 0!. &241884 &:= (\sqrt{9})! \times (8 \times 7! - 6) &= (5 - \sqrt{4})! \times (-3! + (-2 + 10)!). \\
117650 &:= 9 - 8 + 7^6 &= (5 + \sqrt{4})^{3!} + 2 \times 1 - 0!. &241902 &:= (-\sqrt{9} + 8 \times 7!) \times 6 &= (\sqrt{5 + 4})! \times (-3 + (-2 + 10)!). \\
118800 &:= \sqrt{9} \times (8 \times 7! - 6!) &= \sqrt{5 + 4} \times (-3!! + (-2 + 10)!). &241908 &:= (-9 + 8! + 7) \times 6 &= (5 - \sqrt{4})! \times ((3! + 2)! - 1 - 0!)!. \\
120816 &:= \sqrt{9} \times 8 \times 7! - 6!/5 &= 4! \times (-3! + ((2 + 1)! + 0!)!). &241917 &:= -\sqrt{9} + 8 \times 7! \times 6 &= 5 + \sqrt{4} + 3! \times (-2 + 10)!!. \\
120888 &:= \sqrt{9} \times 8! - 7 - 65 &= 4! \times (-3 + ((2 + 1)! + 0!)!). &241919 &:= (\sqrt{9})! \times 8! - 7 + 6 &= (5 + 4!)/3 \times 2 \times 1 - 0!. \\
120942 &:= \sqrt{9} \times (8 \times 7! - 6) &= (5 - \sqrt{4}) \times (-3! + (-2 + 10)!). &241922 &:= -\sqrt{9} + 8 \times 7! \times 6 + 5 &= \sqrt{4} + 3! \times (-2 + 10)!!. \\
120953 &:= \sqrt{9} \times 8! - 7!/6! &= (5 + 4!)/3 - (2 + 1)! - 0!. &241923 &:= \sqrt{9} + 8 \times 7! \times 6 &= 5 - \sqrt{4} + 3! \times (-2 + 10)!!. \\
120962 &:= \sqrt{9} \times 8! + \sqrt{(-7 + 6 + 5)} &= \sqrt{4} + 3 \times (-2 + 10)!!. &241924 &:= (\sqrt{9})! \times 8! - 7 + 6 + 5 &= 4 + 3! \times (-2 + 10)!!. \\
120964 &:= \sqrt{9} \times 8! - 7 + 6 + 5 &= 4 + 3 \times (-2 + 10)!!. &241929 &:= 9 + 8 \times 7! \times 6 &= 5 + 4 + 3! \times (-2 + 10)!!. \\
120966 &:= \sqrt{9} \times 8 \times 7! + 6 &= (\sqrt{5 + 4})! + 3 \times (-2 + 10)!!. &241932 &:= (9 + 8! - 7) \times 6 &= (\sqrt{5 + 4})! \times ((3! + 2)! + 1 + 0!)!. \\
120978 &:= \sqrt{9} \times (8 \times 7! + 6) &= (5 - \sqrt{4}) \times (3! + (-2 + 10)!). &241938 &:= (\sqrt{9} + 8 \times 7!) \times 6 &= (5 - \sqrt{4})! \times (3 + (-2 + 10)!). \\
120984 &:= \sqrt{9} \times (8! + 7 + 6 - 5) &= 4! + 3 \times (-2 + 10)!!. &241944 &:= (-9 + 8! - 7) \times 6 + 5! &= 4! + 3! \times (-2 + 10)!!. \\
121104 &:= \sqrt{9} \times 8 \times (7! + 6) &= ((5! - 4) \times 3)^2 + 1 - 0!. &241956 &:= (\sqrt{9})! \times (8 \times 7! + 6) &= (5 - \sqrt{4})! \times (3! + (-2 + 10)!). \\
121680 &:= \sqrt{9} \times 8 \times 7! + 6! &= 5! \times (-4 - 3! + 2^{10}). &241962 &:= (\sqrt{9})! \times (8! + 7) &= 6 + (\sqrt{5 + 4})! \times (3! + (-2 + 10)!). \\
126720 &:= \sqrt{9} \times 8! + 7! + 6! &= 5 \times 4! \times 3!! + (-2 + 10)!!. &241974 &:= (9 + 8 \times 7!) \times 6 &= 54 + 3! \times (-2 + 10)!!. \\
126736 &:= 9 + 8! + 7 + 6! \times 5! &= (-4 + 3!!/2)^{1+0!}. &241980 &:= (\sqrt{9} + 8! + 7) \times 6 &= (5 - \sqrt{4})! \times ((3! + 2)! + 10). \\
&&&&&&&242016 &:= (9 + 8! + 7) \times 6 &= 5! - 4! + 3! \times (-2 + 10)!!. \\
&&&&&&&242208 &:= (\sqrt{9})! \times 8 \times (7! + 6) &= ((5! - 4) \times 3)^2 \times (1 + 0!)!.
\end{aligned}$$

$242640 := (\sqrt{9})!! + 8 \times 7! \times 6$	$= (5 - \sqrt{4})!! + 3! \times (-2 + 10)!$	$403207 := 9! + 8! + 7$	$= 6 + 5 - 4 + (3! + 2)! \times 10.$
$248832 := (\sqrt{9})! \times 8 \times (7! + 6!/5)$	$= (\sqrt{4} \times 3!)^{(2+1)!-0!}.$	$403224 := 9! + 8! + (-7 + 6 + 5)!$	$= 4! + (3! + 2)! \times 10.$
$262088 := 9! + 8 - 7!/6 \times 5!$	$= (4 + 3!)^2 / (1 + 0!).$	$403920 := 9! + 8 \times 7! + 6!$	$= (5 + 4)! + 3!! + (-2 + 10)!.$
$262142 := \sqrt{9} + (8!/7!)^6 + 5$	$= 4^{(3^2)} - 1 - 0!.$	$414720 := 9 \times 8 \times (7! + 6!)$	$= (-5! - 4! + 3!!) \times (2 + 1)!!.$
$262146 := -\sqrt{9} + (8!/7!)^6 + 5$	$= 4^{(3^2)} + 1 + 0!.$	$423360 := 98 \times (7! - 6!)$	$= (5 + 4)!/3! \times ((2 + 1)! + 0!).$
$262147 := \sqrt{9} + (8!/7!)^6$	$= 5 + 4^{(3^2)} - 1 - 0!.$	$437760 := (\sqrt{9})!! \times 8 \times 76$	$= (-5 + 4!) \times 3!! \times \sqrt{2^{10}}.$
$272106 := (-9 + 8! + 7!) \times 6$	$= 54 \times ((3 \times 2 + 1!) - 0!).$	$478080 := (\sqrt{9})!! \times (-8 \times 7 + 6!)$	$= (\sqrt{5 + 4})!! \times 3!! - (-2 + 10)!.$
$277200 := (-\sqrt{9})!! + 8! \times 7!/6!$	$= (-5! + \sqrt{4} \times 3!) \times 210.$	$491520 := (\sqrt{9} + 8 - 7)^6 \times 5!$	$= (4^{3!} \times ((2 + 1)! - 0)!).$
$279942 := (\sqrt{9!/8!})!^7 + 6$	$= (5 - \sqrt{4})! \times (3!^{(2+1)!} + 0!).$	$493920 := 98 \times 7 \times 6!$	$= 5! \times (4^{3!} + 21 - 0!).$
$282198 := (-\sqrt{9})! + 8! \times 7$	$= (6 + 5 - 4) \times (-3! + (-2 + 10)!).$	$512640 := ((\sqrt{9})!! - 8!/7!) \times 6!$	$= (5 - \sqrt{4})!! \times (3!! + 2 - 10).$
$282219 := (-\sqrt{9} + 8!) \times 7$	$= (6 + 5 - 4) \times (-3 + (-2 + 10)!).$	$518390 := -(\sqrt{9})! - 8 + (7! - 6!) \times 5! + 4 = 3!!^2 - 10.$	$= 4 + 3!!^2 + 10.$
$282234 := -(\sqrt{9})! + 8! \times 7!/6!$	$= (5 + \sqrt{4}) \times ((3! + 2)! - 1) + 0!.$	$518414 := (\sqrt{9})! + 8 + (7! - 6!) \times 5!$	$= (\sqrt{4} \times 3!) \times ((2 + 1)!! + 0!).$
$282246 := (\sqrt{9})! + 8! \times 7$	$= 6 + (5! - \sqrt{4}^{3!}) \times ((2 + 1)! + 0)!.$	$519120 := ((\sqrt{9})!! + 8 - 7) \times 6 \times 5!$	$= (-5 + \sqrt{4})^{3!} \times ((2 + 1)!! - 0)!.$
$282261 := (\sqrt{9} + 8!) \times 7$	$= (6 + 5 - 4) \times (3 + (-2 + 10)!).$	$524151 := -9 + 8! \times (7 + 6)$	$= (5 + 4!/3) \times (-2 + 10)!.$
$282282 := ((\sqrt{9})! + 8!) \times 7$	$= (6 + 5 - 4) \times (3! + (-2 + 10)!).$	$524160 := (\sqrt{9})!! \times (8!/7! + 6!)$	$= (4 + 3!!)^2 - 10.$
$316800 := 9!/8 \times 7 - 6!$	$= 5! \times 4! \times ((3 + 2)! - 10).$	$524166 := (\sqrt{9})! + 8! \times (7 + 6!/5!)$	$= (4 + 3!!)^2 - 1 - 0!.$
$324000 := 9 \times (8! - 7! + 6!)$	$= (5!/ \sqrt{4} \times 3)^2 \times 10.$	$524174 := 9 + 8! \times (7 + 6) + 5$	$= \sqrt{4^{3^2+10}}.$
$345600 := (9! + 8!)/7 \times 6$	$= (5! - 4!) \times 3!! \times ((2 + 1)! - 0!).$	$524288 := (-\sqrt{9})! + 8^{7+\sqrt{6!5}}$	$= 5! \times (4! - 3) \times 210.$
$352800 := 9! - 8! + 7! \times 6$	$= (5 + \sqrt{4})/3 \times 210.$	$529200 := ((\sqrt{9})!! + 8 + 7) \times 6!$	$= (\sqrt{5 + 4})!! \times 3!! + (-2 + 10)!.$
$352947 := \sqrt{9!/8!} \times 7^6$	$= (5 + \sqrt{4})^{3!} \times 2 \times 1 - 0!.$	$558720 := (\sqrt{9})!! \times (8 \times 7 + 6!)$	$= (5! - \sqrt{4} \times 3) \times ((2 + 1)! + 0)!.$
$356400 := 9 \times (8 \times 7! - 6!)$	$= (5 + 4) \times (-3!! + (-2 + 10)!).$	$574560 := 9! + (8! - 7!) \times 6$	$= (5 + \sqrt{4})! \times (-3 + ((2 + 1)! - 0)!).$
$362890 := -9! + 8 + 7! \times 6!/5 + \sqrt{4} = (3^2)! + 10.$		$589680 := 9!/8 \times (7 + 6)$	$= (5! + 4! - 3!) \times ((2 + 1)! + 0)!.$
$362890 := 9! - 8 + 7 + 6 + 5$	$= (4 + 3 + 2)! + 10.$	$695520 := (\sqrt{9} \times 8! - 7!) \times 6$	$= (5! + 4! - 3) \times ((2 + 1)! + 0)!.$
$362894 := 9! + 8!/7! + 6$	$= (5 + 4)! + 3! - 2 + 10.$	$710640 := 987 \times 6!$	$= (5! + 4! - 3) \times ((2 + 1)! + 0)!.$
$362894 := 9 \times 8! + \sqrt{76 + 5!}$	$= 4! + (3^2)! - 10.$	$725712 := -(\sqrt{9})! \times 8 + 7! \times 6!/5$	$= (-4! + (3^2)!) \times (1 + 0!).$
$362914 := 9! - 8 + 7 \times 6$	$= (5 + 4)! + 32 + 1 + 0!.$	$725752 := 9! - 8 + (\sqrt{76 + 5})!$	$= (-4 + (3^2)!) \times (1 + 0!).$
$362928 := 9! + 8!/(7!/6)$	$= (5 + 4)! + (3! - 2)! \times (1 + 0!).$	$725757 := -\sqrt{9} + 8! \times (7 + 6 + 5)$	$= \sqrt{4} \times ((3^2)! - 1) - 0!.$
$362967 := 9! + 87$	$= 65 + 4! + (3^2)! - 1 - 0!.$	$725759 := -9 + 8 + 7! \times 6!/5$	$= \sqrt{4} \times ((3^2)! - 1) + 0!.$
$362984 := 9! + 8 \times (7 + 6)$	$= (5 + 4! \times 3!) \times 21 - 0!.$	$725761 := 9 - 8 + 7! \times 6!/5$	$= \sqrt{4} \times ((3^2)! + 1) - 0!.$
$363592 := 9! - 8!/7! + 6!$	$= (5 + 4)! + 3!! + 2 - 10.$	$806400 := (9 - 8 + 7)!/6 \times 5!$	$= \sqrt{4} \times (3! + 2)! \times 10.$
$363593 := 9 \times 8! - 7 + 6!$	$= (5 + 4)! + 3!! - (2 + 1)! - 0!.$	$846720 := \sqrt{9} \times 8! \times 7$	$= 6 - 5 + (4!/3!) \times 21 - 0!.$
$363608 := 9! + 8!/7! + 6!$	$= (5 + 4)! + 3!! - 2 + 10.$	$887040 := 9! + 8! \times (7 + 6)$	$= (\sqrt{5^4} - 3) \times (-2 + 10)!.$
$363720 := 9 \times 8! + 7!/6$	$= (5 + 4)! + 3!! + ((2 + 1)! - 0)!.$	$950400 := (\sqrt{9} + 8!/7!) \times 6! \times 5!$	$= 4! \times (-3!! + (-2 + 10)!).$
$367918 := 9! - 8 + 7! + 6$	$= (5 + \sqrt{4})! + (3^2)! - 1 - 0!.$	$967440 := 9! + (-8 + 7! + 6) \times 5!$	$= 4! \times ((3! + 2)! - 10).$
$369360 := 9! + 8!/7 + 6!$	$= (5 + 4) \times (3!! + (-2 + 10)!).$	$967536 := (-\sqrt{9})! + 8! \times (-7 + 6 + 5)!$	$= 4! \times (-3! + (-2 + 10)!).$
$401760 := 9 \times (8! + 7! - 6!)$	$= (-5! - 4! + (3! + 2)!) \times 10.$	$967608 := (-\sqrt{9} + 8!) \times (-7 + 6 + 5)!$	$= 4! \times (-3 + (-2 + 10)!).$
$402960 := 9! + 8 \times (7! - 6 \times 5)$	$= (-4! + (3! + 2)!) \times 10.$	$967752 := (\sqrt{9} + 8!) \times (-7 + 6 + 5)!$	$= 4! \times (3 + (-2 + 10)!).$
$403160 := 9! + 8 \times (7 \times 6! - 5)$	$= (-4 + (3! + 2)!) \times 10.$	$967824 := ((\sqrt{9})! + 8!) \times (-7 + 6 + 5)!$	$= 4! \times (3! + (-2 + 10)!).$
$403200 := (9! - 8! \times 7) \times (6 - 5 + 4) = (3! + 2)! \times 10.$		$967920 := 9! + (8 + 7! - 6) \times 5!$	$= 4! \times ((3! + 2)! + 10).$
$403204 := 9! + 8! - 7 + 6 + 5$	$= 4 + (3! + 2)! \times 10.$	$984960 := ((\sqrt{9})!! + 8!) \times (-7 + 6 + 5)!$	$= 4! \times (3!! + (-2 + 10)!).$
$403206 := 9! + 8 \times 7! + 6$	$= (5 + 4)! + 3! + (-2 + 10)!.$		

## 7. ACKNOWLEDGEMENT

The author is thankful to T.J. Eckman, Georgia, USA (email: jeek@jeek.net) in programming the script to develop these representations.

## REFERENCES

- [1] ABRAHAMS, M, Lots of numbers, plain and almost simple, IMPROBABLE RESEACH, <http://www.improbable.com/2013/02/12/lots-of-numbers-plain-and-almost-simple>.
  - [2] ABRAHAMS, M, Lots more numbers, deemed "crazy sequential", IMPROBABLE RESEACH, <http://www.improbable.com/2013/06/08/lots-more-numbers-deemed-crazy-sequential>.
  - [3] DUDENEY, H.E., Amusements in Mathematics, EBD E-Books Directory.com, 1917.
  - [4] FREIDMAN, E., Problems of the Month (August 2000), <http://www2.stetson.edu/~efriedma/mathmagic/0800.html>
  - [5] FREIDMAN, E., Problems of the Month (April 2012), <http://www2.stetson.edu/~efriedma/mathmagic/0412.html>
  - [6] MADACHY, J.S., Mathematics on Vacations, Charlers Scriber's Son, New York, 1966.
  - [7] NEBUS, J., Counting To 52, nebusresearch, <http://nebusresearch.wordpress.com/2013/02/17/counting-to-52/>
  - [8] NEBUS, J., Counting From 52 to 11,108, nebusresearch, <http://nebusresearch.wordpress.com/2013/06/10/counting-from-52-to-11108/>
  - [9] TANEJA, I.J., Crazy Sequential Representation: Numbers from 0 to 11111 in terms of Increasing and Decreasing Orders of 1 to 9, <http://arxiv.org/abs/1302.1479>.
  - [10] TANEJA, I.J., Selfie Numbers: Consecutive Representations in Increasing and Decreasing Orders, <http://rgmia.org/papers/v17/v17a140.pdf>, 2014.
  - [11] TANEJA, I.J., Single Digit Representations of Natural Numbers, <http://arxiv.org/abs/1502.03501>.
-