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Selfie Numbers - IV: Addition, Subtraction and Factorial

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Abstract

*In this paper, we have written **selfie numbers** using only the operations of addition and subtraction along with factorial.*

The whole work is divided in small sections and subsections summarized as:

1 Introduction

In 1966, Madachy [4], page 167, gave examples just with factorial sum:

$$\begin{aligned} 1 &= 1! \\ 2 &= 2! \\ 145 &= 1! + 4! + 5!. \\ 40585 &= 4! + 0! + 5! + 8! + 5! \end{aligned} \tag{1}$$

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Above numbers, we consider as selfie numbers as are represented by same digits. ***Question arise what other numbers can we get with similar idea?*** In this paper, we brought similar kind of numbers using the operations of addition and subtractions along with factorial. The work is only up to 6-digits. What we observed that up to 6-digits these are the only three numbers with addition and factorial represents the both sides. Based on this idea we have worked with addition and subtraction. Multiplications, division and potentiation are not considered in this work. Below are some interesting examples with 9!:

$$\begin{aligned}
363239 &:= 36 + 323 + 9!.\\
363269 &:= 363 + 26 + 9!.\\
366549 &:= 3665 + 4 + 9!.\\
369869 &:= 3 + 6986 + 9!.\\
403199 &:= 40319 + 9!.
\end{aligned} \tag{2}$$

Below are interesting examples with same digits representations:

$$\begin{aligned}
403948 &:= 4 + 03!! + 9! + 4! + 8!.\\
403984 &:= 40 + 3!! + 9! + 8! + 4!.
\end{aligned}$$

$$\begin{aligned}
40440 &:= (4 + 0!)! + (4 + 4)! + 0.\\
40444 &:= (4 + 0!)! + (4 + 4)! + 4.
\end{aligned}$$

$$\begin{aligned}
361899 &:= 9! - 981 - 6 + 3!.\\
361989 &:= 9! - 891 - 6 + 3!.
\end{aligned}$$

$$\begin{aligned}
363639 &:= 3!! + (6 - 3 + 6)! + 39.\\
363669 &:= 3!! + (6 - 3 + 6)! + 69.\\
363693 &:= 3!! + (6 - 3 + 6)! + 93.\\
363696 &:= 3!! + (6 - 3 + 6)! + 96.\\
363699 &:= 3!! + (6 - 3 + 6)! + 99.\\
363963 &:= 363 + 9! + (6 - 3)!!.\\
363999 &:= (-3 + 6)!! + 399 + 9!.
\end{aligned}$$

$$\begin{aligned}
363696 &:= 6! + 96 + (3 + (6 - 3)!)!.\\
363699 &:= 99 + 6! + (3 + (6 - 3)!)!.\\
363699 &:= 9! + 96 + 3! + 6! - 3.\\
363693 &:= 3!! + 96 - 3 + (6 + 3)!.\\
363639 &:= 9! + 3! + 6! + 36 - 3.\\
363669 &:= 9! + 6! + (6 - 3)! + 63.
\end{aligned} \tag{3}$$

The last six examples are in reverse order of digits. Only few examples with 3-6-9 are symmetric.

Another interesting aspect it that we can write, except 3! and 4!, factorial of other values with their own digits. See below:

$$\begin{aligned}
1! &:= 1 = 1!.\\
2! &:= 2 = 2!.\\
5! &:= 120 = ((1+2)! - 0!)!.\\
6! &:= 720 = (7 - 2 + 0!)!.\\
7! &:= 5040 = (5 - 0! + 4 - 0!)!.\\
8! &:= 40320 = (40 - 32 + 0)!.\\
9! &:= 362880 = (-3 - 6 + 2 + 8 + 8 + 0)!.\\
10! &:= 3628800 = (-3 - 6 + 2 + 8 + 8 + 00!)!.\\
11! &:= 39916800 = (9 + 16 - 8 + 3 - 9 + 00)!.\\
12! &:= 479001600 = (4 - 7 + 9 + 001 + 6 - 00!)!.
\end{aligned} \tag{4}$$

Aim here is to find more numbers with factorial similar to one given in (1). This we have done using only the operations of addition and subtraction along with factorial. Whole work is given in **Appendix I, II** and **III**. Following two section give numbers with some special characteristics.

2 Interesting Numbers

This section deals with interesting numbers similar to (1) , but with different properties.

2.1 Factorials Without Brackets

Below are examples of numbers having factorial sign with each number as given in (1) , but with positive and negative signs. In this case we have very few examples.

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

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

$10077 = -1! - 0! - 0! + 7! + 7!.$
$80518 = 8! - 0! - 5! - 1! + 8!.$
$40585 = 4! + 0! + 5! + 8! + 5!.$

$317489 = -3! - 1! - 7! - 4! - 8! + 9!.$

$352797 = -3! + 5 - 2! - 7! + 9! - 7!.$
$357592 = -3! - 5! - 7! - 5! + 9! - 2!.$
$357941 = 3! + 5! - 7! + 9! - 4! - 1!.$
$361469 = 3! - 6! - 1! + 4! - 6! + 9!.$
$364292 = 3!! + 6! - 4! - 2! + 9! - 2!.$
$397584 = -3!! + 9! - 7! + 5! + 8! + 4!.$
$398173 = 3! + 9! + 8! + 1! - 7! + 3!.$
$408937 = -4! + 0! + 8! + 9! + 3!! + 7!.$
$715799 = -7! - 1! + 5! - 7! + 9! + 9!.$
$720599 = -7! - 2! + 0! - 5! + 9! + 9!.$

2.2 Factorials With Brackets

Below are numbers with factorial sign with each number as well as expressions with brackets. Numbers inside the brackets are not necessarily with factorial sign:

$144 = (1+4)! + 4!.$
$744 = (7-4)!! + 4!.$

$1440 = (-1+4)!! + (4-0!)!!.$
$1464 = (-1+4)!! + 6! + 4!.$
$4296 = -4! + (-2+9)! - 6!.$
$4320 = (4+3)! - (2+0!)!!.$
$5016 = -(5-0!)! + (1+6)!.$
$5017 = -(5-0!)! + 1! + 7!.$
$5184 = 5! + (-1+8)! + 4!.$

$35280 = (3+5)! - (-2+8+0!)!.$
$35304 = (3+5)! - (3!+0!)! + 4!.$
$35880 = 3!! - 5! + 8! - (8-0!)!.$
$39600 = -3!! + ((9-6)! + 0! + 0!)!.$
$39624 = -(-3+9)! + (6+2)! + 4!.$
$40175 = -4! - 0! + (1+7)! - 5!.$
$40290 = -4! - (0!+2)! + (9-0!)!.$
$40296 = -4! + (02 + (9-6)!)!.$

$40313 = (4+0!+3)! - 1! - 3!.$
$40314 = -(4-0!)! + (3+1+4)!.$
$40332 = (4-0!)! + 3! + (3!+2)!.$
$40342 = (4+0!+3)! + 4! - 2!.$
$40343 = 4! - 0! + (3! - 4 + 3!)!.$
$40344 = 4! + (0! + 3! + (4-4)!)!.$
$40368 = 4! + (0! - 3 + 6)! + 8!.$
$40458 = -(4-0!)! + 4! + 5! + 8!.$

$40584 = (4+0!)! + 5! + 8! + 4!.$
$41736 = -4! + (1+7)! + 3!! + 6!.$
$45384 = (-4+5+3!)! + 8! + 4!.$
$80519 = 8! - 0! - 5! + (-1+9)!.$
$80639 = 8! - 0! + (-(-6+3!)! + 9)!.$
$80640 = 8! + (-0! + 6 + 4 - 0!)!.$
$80760 = 8! + (0!+7)! + (6-0!)!.$

$277198 = -2! - 7! - (7+1)! + 9! - 8!.$
$287278 = -2! - 8! + 7! + (2+7)! - 8!.$
$321839 = -(3-2-1)! - 8! - 3!! + 9!.$

$321840 = (3 + (2+1)!)! - 8! - (4-0!)!!.$
$321864 = (3 + (2+1)!)! - 8! - 6! + 4!.$
$322554 = -(3!+2)! - (-2+5)! + (5+4)!.$

$322584 = (3 + (2-2)! + 5)! - 8! + 4!.$
$322680 = (3+2)! - (2+6)! + (8+0!)!.$
$323159 = 3!! - (2+3!)! - 1! - 5! + 9!.$
$323280 = 3!! - (2+3!)! + (2+8-0!)!.$
$323998 = 3!! - 2! + (-3+9)! + 9! - 8!.$
$352079 = -3!! - (5+2)! - 0! - 7! + 9!.$

$352792 = -3! - (5+2)! - 7! + 9! - 2!.$
$357719 = -(3-5+7)! - 7! - 1! + 9!.$
$357930 = -3! + 5! - 7! + 9! - (3+0!)!.$
$357955 = -3! + 5! - 7! + 9! + (5-5)!.$
$360719 = -3!! - 6! - 0! - (7-1)! + 9!.$
$361319 = -3!! - 6! - (-1+3!)! - 1 + 9!.$

$361463 = -3!! - 6! - 1! + 4! + (6+3)!.$
$361464 = -3!! + (6-1+4)! - 6! + 4!.$
$362039 = -(-3+6+2)! - 0! - 3!! + 9!.$
$362040 = -3!! + (6+2+0!)! - (4+0!)!.$
$362080 = -3!! + (6+2+0!)! - 80.$
$362136 = (3+6)! - (2-1+3)! - 6!.$

$362172 = 3! - 6! + (2+1)! + (7+2)!.$
$362182 = -3!! + (6-2)! + (1+8)! - 2!.$
$362184 = (3+6)! - (2+1)!! + (8-4)!.$
$362256 = (3+6)! - (2+2)! + 5! - 6!.$
$362275 = -3 - 6! - 2! + (2+7)! + 5!.$
$362279 = -3 - 6! + 2! + (-2+7)! + 9!.$

$362280 = -3!! + (6 - (2-2)!)! + (8+0!)!.$
$362752 = -(-3+6)! + (2+7)! - 5! - 2!.$
$362753 = -(3!-6)! + (2+7)! - 5! - 3!.$
$362754 = -(-3+6)! - (-2+7)! + (5+4)!.$
$362759 = -(3+6-2-7)! - 5! + 9!.$
$362760 = (3+6)! - ((2+7-6)! - 0!)!.$

$362761 = (3! - 6)! + (2 + 7)! - (6 - 1)!.$
$362784 = (3 + 6)! - (-2 + 7)! + (8 - 4)!.$
$362856 = (3 + 6)! - (-2 + (-8 + 5 + 6)!)!.$
$362872 = (3 + 6)! - 2! - (8 - 7 + 2)!.$
$362874 = -3! + (6 - 2 + 8 - 7 + 4)!.$
$362876 = -(-3 + 6)! + 2! + (8 + 7 - 6)!.$

$362879 = -(-3 + 6 - 2 - 8 + 7)! + 9!.$
$362992 = -3! + (-6 + 2 + 9)! + 9! - 2!.$
$362994 = -((3! - 6)! + 2)! + 9! + (9 - 4)!.$
$362999 = (-3 + 6 + 2)! - (9 - 9)! + 9!.$
$363024 = (3 + 6)! + (3 + 02)! + 4!.$
$363456 = (3 + (6 - 3)!)! - 4! - 5! + 6!.$

$363480 = 3!! + (6 + 3)! - (-4 + 8 + 0!)!.$
$363504 = 3!! + (6 + 3)! - 5! + 04!.$
$363576 = 3!! + (6 + 3)! - (5 - 7 + 6)!.$
$363612 = (3 + 6)! + 3! + 6! + (1 + 2)!.$
$363613 = (3 + 6)! + 3! + 6! + 1! + 3!.$
$363624 = (3 + 6)! + 3!! + (6 + 2 - 4)!.$

$363719 = 3!! + (6 + 3! - 7)! - 1! + 9!.$
$364296 = 3!! - (6 - 4 + 2)! + 9! + 6!.$
$364319 = 3!! + 6! - (4 - 3 - 1)! + 9!.$
$367922 = (-3 + 6)! + 7! + 9! - 2! - 2!.$
$367923 = -(3! - 6)! + 7! + 9! - 2! + 3!.$
$368040 = (3 + 6)! + (8 - 0!)! + (4 + 0!)!.$

$369360 = (-3 + 6)!! + 9! + 3!! + (6 + 0!)!.$
$372952 = -3! + 7! - 2! + 9! + (5 + 2)!.$
$372954 = -3! + 7! + (-2 + 9)! + (5 + 4)!.$
$373679 = 3!! + 7! - (3! - 6)! + 7! + 9!.$
$373680 = 3!! + 7! + (3 + 6)! + (8 - 0!)!.$
$398760 = 3!! + 9! + 8! - 7! - (6 - 0!)!.$

$402598 = -(4 - 0!)!! - 2! + 5! + 9! + 8!.$
$402958 = -(4 + 0!)! - 2! + 9! - 5! + 8!.$
$403188 = -(4 - 0!)! - 3! + (1 + 8)! + 8!.$
$403193 = (4 + 0! + 3)! - 1! + 9! - 3!.$
$403248 = 4! + (0! + 3! + 2)! + 4! + 8!.$
$403249 = 4! + 0! + (3! + 2)! + 4! + 9!.$

$403295 = -4! - 0! + (3! + 2)! + 9! + 5!.$
$403298 = -4! + (-0! + 3!)! + 2! + 9! + 8!.$
$403920 = (4 + 0! + 3)! + 9! + (2 + 0!)!!.$
$403926 = (4 - 0!)! + 3!! + 9! + (2 + 6)!.$
$403928 = (4 - 0!)! + 3!! + 9! + 2! + 8!.$
$403938 = 4! + 03!! + 9! - 3! + 8!.$

$403944 = 4! + 03!! + 9! + (4 + 4)!.$
$403948 = 4 + 03!! + 9! + 4! + 8!.$
$403968 = 4! + (0! + 3)! + 9! + 6! + 8!.$
$408960 = (4 - 0!)!! + 8! + 9! + (6 + 0!)!.$
$443519 = (4 + 4)! + (3 + 5)! - 1 + 9!.$

$720719 = (7 + 2)! - 07! - 1! + 9!.$
$725519 = (7 + 2)! - 5! - 5! - 1! + 9!.$
$725639 = (7 + 2)! - 5! - (-6 + 3!)! + 9!.$
$725640 = (7 + 2)! - 5! + (6 + 4 - 0!)!.$
$725760 = (7 + 2)! + (-5 + 7 + 6 + 0!)!.$
$725904 = (7 + 2)! + 5! + 9! + 04!.$
$730919 = 7! + (3! - 0!)! + 9! - 1! + 9!.$

$5160 = 5! + (1 + 6 + 0)!.$
$5161 = 5! + (1 + 6)! + 1!.$
$5162 = 5! + (1 + 6)! + 2!.$

$39480 = -3!! - (9 - 4)! + (8 + 0)!.$
$39481 = -3!! - (9 - 4)! + 8! + 1!.$
$39482 = -3!! - (9 - 4)! + 8! + 2!.$

$40320 = (40 - 32 + 0)!.$
$40321 = (40 - 32)! + 1!.$
$40322 = (40 - 32)! + 2!.$

$40440 = (4 + 0!)! + (4 + 4 + 0)!.$
$40441 = (4 + 0!)! + (4 + 4)! + 1!.$
$40442 = (4 + 0!)! + (4 + 4)! + 2!.$

$322560 = -(3! + 2)! + (-2 + 5 + 6 + 0)!.$
$322561 = -(3! + 2)! + (-2 + 5 + 6)! + 1!.$
$322562 = -(3! + 2)! + (-2 + 5 + 6)! + 2!.$

$361440 = -3!! - 6! + (1 + 4 + 4 + 0)!.$
$361441 = -3!! - 6! + (1 + 4 + 4)! + 1!.$
$361442 = -3!! - 6! + (1 + 4 + 4)! + 2!.$

$362160 = (3 + (6 - 2 - 1)!)! - (6 + 0)!.$
$362161 = (3 + (6 - 2 - 1)!)! - 6! + 1!.$
$362162 = (3 + (6 - 2 - 1)!)! - 6! + 2!.$

$362880 = (-3 - 6 + 2 + 8 + 8 + 0)!.$
$362881 = (-3 - 6 + 2 + 8 + 8)! + 1!.$
$362882 = (-3 - 6 + 2 + 8 + 8)! + 2!.$

$363000 = (3 + 6)! + (3! - 0! + 00)!.$
$363001 = (3 + 6)! + (3! - 0!)! + 01!.$
$363002 = (3 + 6)! + (3! - 0!)! + 02!.$

$363600 = 3!! + (6 - 3 + 6 + 00)!.$
$363601 = 3!! + (6 - 3 + 6)! + 01!.$
$363602 = 3!! + (6 - 3 + 6)! + 02!.$

$363720 = 3!! + (6 + 3)! + (7 - 2 + 0)!.$
$363721 = 3!! + (6 + 3)! + (7 - 2)! + 1!.$
$363722 = 3!! + (6 + 3)! + (7 - 2)! + 2!.$

$364320 = 3!! + 6! + (4 + 3 + 2 + 0)!.$
$364321 = 3!! + 6! + (4 + 3 + 2)! + 1!.$
$364322 = 3!! + 6! + (4 + 3 + 2)! + 2!.$

$367200 = (3 + 6)! + 7! - (2 + 0! + 0)!!.$
$367201 = (3 + 6)! + 7! - (2 + 0!)!! + 1!.$
$367202 = (3 + 6)! + 7! - (2 + 0!)!! + 2!.$

$397440 = -3!! + 9! - 7! + (4 + 4 + 0)!.$
$397441 = -3!! + 9! - 7! + (4 + 4)! + 1!.$
$397442 = -3!! + 9! - 7! + (4 + 4)! + 2!.$

We observe that, not all but some of the above examples are valid for reverse order. For example, we can easily write:

$$144 := (1 + 4)! + 4! = 4! + (4 + 1)!. \tag{5}$$

Below are two examples valid for reverse order but not in digit's order:

$$80641 = (14 - 6)! + 0! + 8!.$$
$$321864 = 4! - 6! - 8! + (12 - 3)!.$$

Some of the above examples are symmetric with 0, 1 and 2.

2.3 Special Numbers

Below are examples where expressions with minimum 3-digits are without factorial. These are similar to as given in (2). The examples given in (2) are only with addition sign. Here we have in addition and subtraction too. In this case, there are two types of numbers. One in digit's order and another in reverse order of digits.

2.3.1 Digit's Order

Some of the numbers appearing below are also appeared in (2). We have put them again just to have a complete list up to 6-digits.

$38728 = -3!! - 872 + 8!.$
$38800 = -3!! + 8! - 800.$

$39388 = 3! - 938 + 8!.$
$40288 = -4 - 028 + 8!.$

$357479 = -357 - 4 - 7! + 9!.$
$358197 = 358 - 1 + 9! - 7!.$
$361539 = -3! - 615 - 3!! + 9!.$
$361545 = -3!! - 615 + (4 + 5)!.$
$361549 = -3!! - 615 + 4 + 9!.$
$361599 = -3!! - 6! + 159 + 9!.$

$361959 = -3! - 6! - 195 + 9!.$
$362259 = 3! - 622 - 5 + 9!.$
$362395 = -362 - 3 + 9! - 5!.$
$362399 = -(-3 + 6)!! + 239 + 9!.$
$362439 = (3 + 6)! - 2 - 439.$
$362441 = (3 + 6)! + 2 - 441.$

$362492 = -362 - 4! + 9! - 2.$
$362613 = (3 + 6)! - 261 - 3!.$
$362619 = 3! - 6 - 261 + 9!.$
$363159 = -36 + 315 + 9!.$
$363189 = (3 + 6)! + 318 - 9.$
$363193 = (3 + 6)! + 319 - 3!.$

$363199 = 3! - 6 + 319 + 9!.$
$363239 = 36 + 323 + 9!.$
$363243 = 363 + (2 + 4 + 3)!.$
$363245 = 363 + 2 + (4 + 5)!.$
$363249 = 363 + 2 + 4 + 9!.$
$363269 = 363 + 26 + 9!.$

$363273 = (3 + 6)! - 327 + 3!!.$
$363279 = 3! + 6! - 327 + 9!.$
$363300 = 3!! + (6 + 3)! - 300.$
$363499 = -3! + 634 + 9! - 9.$
$363509 = -3! + 635 + 09!.$

$363518 = 3 + 635 + (1 + 8)!.$
$363519 = 3 + 635 + 1 + 9!.$
$363963 = 363 + 9! + (6 - 3)!!.$
$363999 = (-3 + 6)!! + 399 + 9!.$
$364239 = 3!! + 642 - 3 + 9!.$

$364799 = 3!! + 6! + 479 + 9!.$
$364969 = 3!! + 649 + 6! + 9!.$
$367460 = (3 + 6)! + 7! - 460.$
$403598 = 403 - 5 + 9! + 8!.$
$725499 = -7 - 254 + 9! + 9!.$
$726399 = (7 + 2)! + 639 + 9!.$

$357159 = -3! - 5715 + 9!.$
$357819 = 3!! - 5781 + 9!.$
$361440 = (3 + 6)! - 1440.$
$366539 = 3665 - 3! + 9!.$
$366545 = 3665 + (4 + 5)!.$
$366549 = 3665 + 4 + 9!.$
$369859 = -3! + 6985 + 9!.$
$369869 = 3 + 6986 + 9!.$
$403199 = 40319 + 9!.$

2.3.2 Reverse Order of Digits

$357087 = -7! + (8 + 0!)! - 753.$
$361893 = -3! - 981 + (6 + 3)!.$
$361899 = 9! - 981 - 6 + 3!.$
$361983 = -3! - 891 + (6 + 3)!.$
$361989 = 9! - 891 - 6 + 3!.$
$361994 = 4! + 9! - 916 + 3!.$

$363239 = 9! - 3! + 2 + 363.$
$363243 = (3 + 4 + 2)! + 363.$
$363245 = (5 + 4)! + 2 + 363.$
$363249 = 9! + 4 + 2 + 363.$
$363963 = (-3 + 6)!! + 9! + 363.$
$402988 = -8 + 8! + 9! - 204.$

3 Numbers Only With Addition

Above sections 1 and 2 are with specific examples. Here also we shall write numbers similar to (1) and (2), where only the operation of addition with factorial is used. In this case we have two types of situations. One in digit's order and another in reverse order of digits. Some of the numbers appearing in this section has already been appeared in above two sections. We are rewriting them to complete the list.

3.1 Digit's Order

This subsection bring numbers in digit's order. Some of the numbers can be written in reverse order just changing the order of digits as explained in (5).

$144 := (1+4)! + 4!.$
$145 := 1 + 4! + 5!.$
$733 := 7 + 3!! + 3!.$

$40488 := (4+0!)! + 48 + 8!.$
$40584 := (4+0!)! + 5! + 8! + 4!.$
$40585 := 4! + 0! + 5! + 8! + 5!.$

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

$362910 := (3+6)! + 29 + 1 + 0.$
$362911 := (3+6)! + 29 + 1 + 1.$
$362912 := (3+6)! + 29 + 1 + 2.$
$362913 := (3+6)! + 29 + 1 + 3.$
$362914 := (3+6)! + 29 + 1 + 4.$
$362915 := (3+6)! + 29 + 1 + 5.$
$362916 := (3+6)! + 29 + 1 + 6.$
$362917 := (3+6)! + 29 + 1 + 7.$
$362918 := (3+6)! + 29 + 1 + 8.$
$362919 := (3+6)! + 29 + 1 + 9.$

$5177 := 5! + 17 + 7!.$

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

$362920 := 36 + 2 + 9! + 2 + 0.$
$362921 := 36 + 2 + 9! + 2 + 1.$
$362922 := 36 + 2 + 9! + 2 + 2.$
$362923 := 36 + 2 + 9! + 2 + 3.$
$362924 := 36 + 2 + 9! + 2 + 4.$
$362925 := 36 + 2 + 9! + 2 + 5.$
$362926 := 36 + 2 + 9! + 2 + 6.$
$362927 := 36 + 2 + 9! + 2 + 7.$
$362928 := 36 + 2 + 9! + 2 + 8.$
$362929 := 36 + 2 + 9! + 2 + 9.$

$362950 := 3 + 62 + 9! + 5 + 0.$
$362951 := 3 + 62 + 9! + 5 + 1.$
$362952 := 3 + 62 + 9! + 5 + 2.$
$362953 := 3 + 62 + 9! + 5 + 3.$
$362954 := 3 + 62 + 9! + 5 + 4.$
$362955 := 3 + 62 + 9! + 5 + 5.$
$362956 := 3 + 62 + 9! + 5 + 6.$
$362957 := 3 + 62 + 9! + 5 + 7.$
$362958 := 3 + 62 + 9! + 5 + 8.$
$362959 := 3 + 62 + 9! + 5 + 9.$

$362980 := (3 + 6)! + 2 + 98 + 0.$
$362981 := (3 + 6)! + 2 + 98 + 1.$
$362982 := (3 + 6)! + 2 + 98 + 2.$
$362983 := (3 + 6)! + 2 + 98 + 3.$
$362984 := (3 + 6)! + 2 + 98 + 4.$
$362985 := (3 + 6)! + 2 + 98 + 5.$
$362986 := (3 + 6)! + 2 + 98 + 6.$
$362987 := (3 + 6)! + 2 + 98 + 7.$
$362988 := (3 + 6)! + 2 + 98 + 8.$
$362989 := (3 + 6)! + 2 + 98 + 9.$

$363200 := (3 + 6)! + 320 + 0.$
$363201 := (3 + 6)! + 320 + 1.$
$363202 := (3 + 6)! + 320 + 2.$
$363203 := (3 + 6)! + 320 + 3.$
$363204 := (3 + 6)! + 320 + 4.$
$363205 := (3 + 6)! + 320 + 5.$
$363206 := (3 + 6)! + 320 + 6.$
$363207 := (3 + 6)! + 320 + 7.$
$363208 := (3 + 6)! + 320 + 8.$
$363209 := (3 + 6)! + 320 + 9.$

$364320 := 3!! + 6! + (4 + 3 + 2)! + 0.$
$364321 := 3!! + 6! + (4 + 3 + 2)! + 1.$
$364322 := 3!! + 6! + (4 + 3 + 2)! + 2.$
$364323 := 3!! + 6! + (4 + 3 + 2)! + 3.$
$364324 := 3!! + 6! + (4 + 3 + 2)! + 4.$
$364325 := 3!! + 6! + (4 + 3 + 2)! + 5.$
$364326 := 3!! + 6! + (4 + 3 + 2)! + 6.$
$364327 := 3!! + 6! + (4 + 3 + 2)! + 7.$
$364328 := 3!! + 6! + (4 + 3 + 2)! + 8.$
$364329 := 3!! + 6! + (4 + 3 + 2)! + 9.$

$363024 := (3 + 6)! + (3 + 02)! + 4!.$
$363239 := 36 + 323 + 9!.$
$363243 := 363 + (2 + 4 + 3)!.$
$363245 := 363 + 2 + (4 + 5)!.$
$363249 := 363 + 2 + 4 + 9!.$
$363269 := 363 + 26 + 9!.$
$363518 := 3 + 635 + (1 + 8)!.$
$363519 := 3 + 635 + 1 + 9!.$
$363612 := (3 + 6)! + 3! + 6! + (1 + 2)!.$
$363613 := (3 + 6)! + 3! + 6! + 1 + 3!.$
$363618 := 3! + 6 + 3! + 6! + (1 + 8)!.$

$364359 := 3!! + 6! + 4 + 35 + 9!.$
$364363 := 3!! + 6! + 43 + (6 + 3)!.$
$364369 := 3! + 6! + 43 + 6! + 9!.$
$364799 := 3!! + 6! + 479 + 9!.$
$364969 := 3!! + 649 + 6! + 9!.$
$366545 := 3665 + (4 + 5)!.$
$366549 := 3665 + 4 + 9!.$
$368708 := 3!! + 68 + 7! + (0! + 8)!.$
$368709 := 3!! + 68 + 7! + 0! + 9!.$
$369869 := 3 + 6986 + 9!.$

$403199 := 40319 + 9!.$
$403248 := 4! + (0! + 3! + 2)! + 4! + 8!.$
$403249 := 4! + 0! + (3! + 2)! + 4! + 9!.$
$403920 := (4 + 0! + 3)! + 9! + (2 + 0!)!!.$
$403944 := 4! + 03!! + 9! + (4 + 4)!.$
$403948 := 4 + 03!! + 9! + 4! + 8!.$
$403968 := 4! + (0! + 3)! + 9! + 6! + 8!.$
$403984 := 40 + 3!! + 9! + 8! + 4!.$

$725772 := (7 + 2)! + 5 + 7 + (7 + 2)!.$
$725779 := (7 + 2)! + 5 + 7 + 7 + 9!.$
$725799 := 7 + 25 + 7 + 9! + 9!.$
$725818 := (7 + 2)! + 58 + (1 + 8)!.$
$725819 := (7 + 2)! + 58 + 1 + 9!.$
$725849 := (7 + 2)! + 5 + 84 + 9!.$
$725904 := (7 + 2)! + 5! + 9! + 04!.$
$726399 := (7 + 2)! + 639 + 9!.$

3.2 Reverse Order of Digits

$5175 := 5! + 7! + 15.$

$362910 := 0 + 1 + 9! + 26 + 3.$
$362911 := 1 + 1 + 9! + 26 + 3.$
$362912 := 2 + 1 + 9! + 26 + 3.$
$362913 := 3 + 1 + 9! + 26 + 3.$
$362914 := 4 + 1 + 9! + 26 + 3.$
$362915 := 5 + 1 + 9! + 26 + 3.$
$362916 := 6 + 1 + 9! + 26 + 3.$
$362917 := 7 + 1 + 9! + 26 + 3.$
$362918 := 8 + 1 + 9! + 26 + 3.$
$362919 := 9 + 1 + 9! + 26 + 3.$

$362950 := 0 + 5 + 9! + 2 + 63.$
$362951 := 1 + 5 + 9! + 2 + 63.$
$362952 := 2 + 5 + 9! + 2 + 63.$
$362953 := 3 + 5 + 9! + 2 + 63.$
$362954 := 4 + 5 + 9! + 2 + 63.$
$362955 := 5 + 5 + 9! + 2 + 63.$
$362956 := 6 + 5 + 9! + 2 + 63.$
$362957 := 7 + 5 + 9! + 2 + 63.$
$362958 := 8 + 5 + 9! + 2 + 63.$
$362959 := 9 + 5 + 9! + 2 + 63.$

$362901 := 10 + 9! + 2 + 6 + 3.$
$362921 := 12 + 9! + 26 + 3.$
$362923 := 32 + 9! + 2 + 6 + 3.$
$362932 := 23 + 9! + 26 + 3.$
$362934 := 43 + 9! + 2 + 6 + 3.$
$362945 := 54 + 9! + 2 + 6 + 3.$

$362961 := 16 + 9! + 2 + 63.$
$362965 := 56 + 9! + 26 + 3.$
$362967 := 76 + 9! + 2 + 6 + 3.$
$362972 := 27 + 9! + 2 + 63.$
$362976 := 67 + 9! + 26 + 3.$
$362978 := 87 + 9! + 2 + 6 + 3.$

$362980 := 0 + 8 + 92 + (6 + 3)!.$
$362981 := 1 + 8 + 92 + (6 + 3)!.$
$362982 := 2 + 8 + 92 + (6 + 3)!.$
$362983 := 3 + 8 + 92 + (6 + 3)!.$
$362984 := 4 + 8 + 92 + (6 + 3)!.$

$362985 := 5 + 8 + 92 + (6 + 3)!.$
$362986 := 6 + 8 + 92 + (6 + 3)!.$
$362987 := 7 + 8 + 92 + (6 + 3)!.$
$362988 := 8 + 8 + 92 + (6 + 3)!.$
$362989 := 9 + 8 + 92 + (6 + 3)!.$

$362983 := 38 + 9! + 2 + 63.$
$362987 := 78 + 9! + 26 + 3.$
$362991 := 19 + 92 + (6 + 3)!.$
$362994 := 49 + 9! + 2 + 63.$
$362998 := 89 + 9! + 26 + 3.$

$364354 := (4 + 5)! + 34 + 6! + 3!!.$
$364359 := 9! + 5 + 34 + 6! + 3!!.$
$364366 := 6! + (6 + 3)! + 46 + 3!!.$
$364369 := 9! + 6! + 3!! + 46 + 3.$

$725799 := 9! + 9! + 7 + 5 + 27.$
$725819 := 9! + (1 + 8)! + 52 + 7.$
$725845 := (5 + 4)! + 85 + (2 + 7)!.$
$725849 := 9! + 4 + 85 + (2 + 7)!.$

4 Appendix I: Selfie Numbers Without Brackets

Numbers written in own digits with certain operations are understood *selfie numbers*. In this parte we shall give *selfie numbers* without use of brackets using addition, subtraction and factorial. This we have divided in three subsections.

4.1 Both Ways

Numbers appearing in this subsection are written in digit's order. We can change the order in a very simple way as given in (5).

$145 := 1 + 4! + 5!.$
$733 := 7 + 3!! + 3!.$

$1463 := -1 + 4! + 6! + 3!!.$
$4317 := -4 - 3!! + 1 + 7!.$
$5037 := -5 - 0! + 3 + 7!.$
$5637 := -5! + 6! - 3 + 7!.$
$6476 := 6! - 4 + 7! + 6!.$

$10077 := -1 - 0! - 0! + 7! + 7!.$
$33837 := -3 - 3!! + 8! - 3!! - 7!.$
$35875 := 3!! - 5! + 8! - 7! - 5.$
$38753 := -3!! + 8! - 7 - 5! - 3!!.$
$38864 := -3!! + 8! + 8 - 6! - 4!.$
$38866 := -3!! + 8! - 8 - 6! - 6.$
$39583 := -3 - 9 - 5 + 8! - 3!!.$
$39588 := -3!! - 9 + 5 + 8! - 8.$

$40287 := -4! - 02 + 8! - 7.$
$40289 := -4! + 02 + 8! - 9.$
$40308 := -4 - 0! - 3! - 0! + 8!.$
$40318 := -4 + 0 + 3 - 1 + 8!.$
$40338 := 4! + 0 - 3 - 3 + 8!.$
$40585 := 4! + 0! + 5! + 8! + 5!.$
$80518 := 8! - 0! - 5! - 1 + 8!.$
$80638 := 8! + 3 - 6 + 0! + 8!.$

$316798 := -3 + 1 - 6! - 7! + 9! - 8!.$
$317489 := -3! - 1 - 7! - 4! - 8! + 9!.$
$317498 := 3 - 1 - 7! - 4! + 9! - 8!.$
$323989 := 3!! - 2 + 3!! - 9 - 8! + 9!.$
$326879 := -3 + 2 - 6! - 8! + 7! + 9!.$

$352797 := -3! + 5 - 2 - 7! + 9! - 7!.$
$356997 := 3! - 5! - 6! - 9 + 9! - 7!.$
$357239 := -3 + 5! - 7! + 2 - 3!! + 9!.$
$357589 := -3 - 5! - 7! - 5! - 8 + 9!.$

$357592 := -3! - 5! - 7! - 5! + 9! - 2.$
$357598 := 3! - 5! - 7! - 5! + 9! - 8.$
$357699 := -3! - 5! - 7! - 6 + 9! - 9.$
$357709 := -3 - 5! - 7! - 7 - 0! + 9!.$
$357739 := 3! - 5! + 7 - 7! + 3! + 9!.$
$357829 := -3! + 5 - 7! - 8 - 2 + 9!.$
$357839 := 3! - 5 - 7! - 8 + 3! + 9!.$
$357939 := -3! + 5! - 7! + 9! - 3! - 9.$
$357940 := 3 + 5! - 7! + 9! - 4! + 0!.$

$357941 := 3! + 5! - 7! + 9! - 4! - 1.$
$357945 := -3! + 5! - 7! + 9! - 4 - 5.$
$357949 := -3! + 5! - 7! + 9! + 4 - 9.$
$357950 := -3! + 5! - 7! + 9! - 5 + 0!.$
$357951 := -3 + 5! - 7! + 9! - 5 - 1.$
$357953 := -3! + 5! - 7! + 9! + 5 - 3!.$
$357954 := 3 - 5 - 7! + 9! + 5! - 4.$
$357956 := -3 + 5! - 7! + 9! + 5 - 6.$
$357959 := 3 + 5! - 7! + 9! + 5 - 9.$

$357960 := 3! + 5! - 7! + 9! - 6 + 0.$
$357961 := 3! + 5! - 7! + 9! - 6 + 1.$
$357962 := 3! + 5! - 7! + 9! - 6 + 2.$
$357963 := 3! + 5! - 7! + 9! - 6 + 3.$
$357964 := 3! + 5! - 7! + 9! - 6 + 4.$

$357965 := 3! + 5! - 7! + 9! - 6 + 5.$
$357966 := 3! + 5! - 7! + 9! - 6 + 6.$
$357967 := 3! + 5! - 7! + 9! - 6 + 7.$
$357968 := 3! + 5! - 7! + 9! - 6 + 8.$
$357969 := 3! + 5! - 7! + 9! - 6 + 9.$

$357970 := 3 + 5! - 7! + 9! + 7 + 0.$
$357971 := 3 + 5! - 7! + 9! + 7 + 1.$
$357972 := 3 + 5! - 7! + 9! + 7 + 2.$
$357973 := 3 + 5! - 7! + 9! + 7 + 3.$
$357974 := 3 + 5! - 7! + 9! + 7 + 4.$
$357975 := 3 + 5! - 7! + 9! + 7 + 5.$
$357976 := 3 + 5! - 7! + 9! + 7 + 6.$
$357977 := 3 + 5! - 7! + 9! + 7 + 7.$
$357978 := 3 + 5! - 7! + 9! + 7 + 8.$
$357979 := 3 + 5! - 7! + 9! + 7 + 9.$

$359273 := 3!! - 5 + 9! - 2 - 7! + 3!!.$
$361439 := -3! - 6! + 1 + 4 - 3!! + 9!.$
$361469 := 3! - 6! - 1 + 4! - 6! + 9!.$
$362159 := 3 - 6! + 2 - 1 - 5 + 9!.$
$362849 := -3 + 6 - 2 - 8 - 4! + 9!.$

$362890 := 3! - 6 + 2 + 8 + 9! + 0.$
$362891 := 3! - 6 + 2 + 8 + 9! + 1.$
$362892 := 3! - 6 + 2 + 8 + 9! + 2.$
$362893 := 3! - 6 + 2 + 8 + 9! + 3.$
$362894 := 3! - 6 + 2 + 8 + 9! + 4.$
$362895 := 3! - 6 + 2 + 8 + 9! + 5.$
$362896 := 3! - 6 + 2 + 8 + 9! + 6.$
$362897 := 3! - 6 + 2 + 8 + 9! + 7.$
$362898 := 3! - 6 + 2 + 8 + 9! + 8.$
$362899 := 3! - 6 + 2 + 8 + 9! + 9.$

$362995 := -3! - 6 - 2 + 9 + 9! + 5!.$
$363459 := -3 + 6! + 3! - 4! - 5! + 9!.$
$363495 := -3 + 6! - 3! + 4! + 9! - 5!.$
$363579 := -3 + 6! - 3! - 5 - 7 + 9!.$
$363590 := -3 + 6! - 3 - 5 + 9! + 0!.$
$363591 := 3 + 6! - 3! - 5 + 9! - 1.$
$363593 := -3 + 6! - 3! + 5 + 9! - 3.$
$363594 := 3! + 6! - 3 - 5 + 9! - 4.$
$363597 := 3! + 6! + 3 - 5 + 9! - 7.$
$363599 := 3! + 6! - 3 + 5 + 9! - 9.$
$364292 := 3!! + 6! - 4! - 2 + 9! - 2.$
$364294 := 3!! + 6! - 4! + 2 + 9! - 4.$
$364309 := 3!! + 6! - 4 - 3! - 0! + 9!.$
$364319 := -3! + 6! + 4 + 3!! + 1 + 9!.$

$366479 := 3 - 6! - 6! - 4 + 7! + 9!.$
$366597 := -3 - 6! - 6! + 5! + 9! + 7!.$
$367193 := -3 - 6! + 7! - 1 + 9! - 3.$
$367194 := -3 - 6! + 7! + 1 + 9! - 4.$
$367196 := 3 - 6 + 7! - 1 + 9! - 6!.$
$367197 := 3 - 6! - 7 + 1 + 9! + 7!.$
$367795 := -3! - 6 + 7 + 7! + 9! - 5!.$

$367895 := -3! - 6 + 7! - 8 + 9! - 5.$
$367903 := -3! - 6 + 7! + 9! + 0! - 3!.$
$367904 := -3! - 6 + 7! + 9! + 0 - 4.$
$367905 := -3 - 6 + 7! + 9! - 0! - 5.$
$367906 := -3 - 6 + 7! + 9! + 0! - 6.$
$367908 := 3 - 6 + 7! + 9! - 0! - 8.$
$367909 := 3 - 6 + 7! - 9 + 0! + 9!.$

$367910 := 0 - 1 + 9! + 7! - 6 - 3.$
$367911 := 1 - 1 + 9! + 7! - 6 - 3.$
$367912 := 2 - 1 + 9! + 7! - 6 - 3.$
$367913 := 3 - 1 + 9! + 7! - 6 - 3.$
$367914 := 4 - 1 + 9! + 7! - 6 - 3.$
$367915 := 5 - 1 + 9! + 7! - 6 - 3.$
$367916 := 6 - 1 + 9! + 7! - 6 - 3.$
$367917 := 7 - 1 + 9! + 7! - 6 - 3.$
$367918 := 8 - 1 + 9! + 7! - 6 - 3.$
$367919 := 9 - 1 + 9! + 7! - 6 - 3.$

$367920 := 3 - 6 + 7! + 9! + 2 + 0!.$
$367921 := 3! - 6 + 7! + 9! + 2 - 1.$
$367927 := 3! + 6 + 7! + 9! + 2 - 7.$
$367930 := -3 + 6 + 7! + 9! + 3! + 0!.$
$367931 := 3 + 6 + 7! + 9! + 3 - 1.$
$367934 := 3! + 6 + 7! + 9! + 3! - 4.$

$367940 := 3 - 6 + 7! + 9! + 4! - 0!.$
$367942 := 3! - 6 + 7! + 9! + 4! - 2.$
$367948 := 3! + 6 + 7! + 9! + 4! - 8.$
$372957 := -3! + 7! - 2 + 9! + 5 + 7!.$
$372967 := 3 + 7! - 2 + 9! + 6 + 7!.$
$377997 := 3! + 7! + 7! - 9 + 9! + 7!.$
$397438 := -3! + 9! - 7! + 4 - 3!! + 8!.$

$397584 := -3!! + 9! - 7! + 5! + 8! + 4!.$
$398157 := 3 + 9! + 8! - 1 - 5 + 7!.$
$398173 := 3! + 9! + 8! + 1 - 7! + 3!.$
$398275 := -3 + 9! + 8! - 2 - 7! + 5!.$
$398755 := 3!! + 9! + 8! - 7! - 5! - 5.$
$398871 := 3!! + 9! + 8! - 8 - 7! - 1.$
$398879 := 3!! - 9 + 8 + 8! - 7! + 9!.$
$398897 := 3!! + 9 + 8 + 8! + 9! - 7!.$

$403189 := -4 - 03! - 1 + 8! + 9!.$
$403198 := -4 + 03 - 1 + 9! + 8!.$
$403889 := -4! + 0! + 3!! - 8 + 8! + 9!.$
$403893 := -4! + 03!! + 8! + 9! - 3.$
$403918 := -4 + 0! + 3!! + 9! + 1 + 8!.$
$403938 := 4! + 03!! + 9! - 3! + 8!.$
$403948 := 4 + 03!! + 9! + 4! + 8!.$

$408937 := -4! + 0! + 8! + 9! + 3!! + 7!.$
$683995 := -6! - 8! - 3!! + 9! + 9! - 5.$
$715799 := -7! - 1 + 5! - 7! + 9! + 9!.$
$720599 := -7! - 2 + 0! - 5! + 9! + 9!.$
$725995 := -7 + 2 + 5! + 9! + 9! + 5!.$
$726499 := -7 + 2 + 6! + 4! + 9! + 9!.$
$730799 := 7! + 3! + 0 - 7 + 9! + 9!.$

4.2 Digit's Order

Numbers appearing in this subsection are in digit's order as of previous subsection 4.1, but the difference is that in previous subsection we can easily change the order. Here it is not possible.

$660 := 6! - 60.$

$5177 := 5! + 17 + 7!.$

$38728 := -3!! - 872 + 8!.$
$38800 := -3!! + 8! - 800.$
$39388 := 3! - 938 + 8!.$
$39538 := -3!! - 9 - 53 + 8!.$
$39688 := -3!! + 96 - 8 + 8!.$
$40288 := -4 - 028 + 8!.$
$40281 := -40 + 2 + 8! - 1.$
$40358 := 40 + 3 - 5 + 8!.$

$323968 := -32 + 3!! + 9! + 6! - 8!.$
$357159 := -3! - 5715 + 9!.$
$357219 := -3!! + 5! - 7! - 21 + 9!.$
$357479 := -357 - 4 - 7! + 9!.$
$357779 := 3 - 57 - 7! - 7 + 9!.$
$357790 := 3! - 57 - 7! + 9! + 0!.$
$357794 := -35 - 7! - 7 + 9! - 4.$

$357819 := 3!! - 5781 + 9!.$
$357879 := 3! + 5! - 7! - 87 + 9!.$
$357927 := -3! + 5! - 7! + 9! - 27.$
$357933 := 3! + 5! - 7! + 9! - 33.$
$358197 := 358 - 1 + 9! - 7!.$

$361459 := -3!! - 6! + 14 + 5 + 9!.$
$361489 := -3!! - 6! + 1 + 48 + 9!.$
$361539 := -3! - 615 - 3!! + 9!.$
$361549 := -3!! - 615 + 4 + 9!.$
$361599 := -3!! - 6! + 159 + 9!.$
$361959 := -3! - 6! - 195 + 9!.$
$362089 := -3!! - 62 - 0! - 8 + 9!.$

$362093 := -3! - 62 + 0! + 9! - 3!!.$
$362094 := -3!! - 62 + 09! - 4.$
$362096 := -3 - 62 + 0! + 9! - 6!.$
$362139 := 3 - 6! - 21 - 3 + 9!.$

$362149 := 3! - 6! - 21 + 4 + 9!.$
$362193 := 3! - 6! + 21 + 9! + 3!.$
$362259 := 3! - 622 - 5 + 9!.$
$362395 := -362 - 3 + 9! - 5!.$

$362492 := -362 - 4! + 9! - 2.$
$362619 := 3! - 6 - 261 + 9!.$
$362695 := 3 - 62 - 6 + 9! - 5!.$
$362739 := -3! - 62 - 73 + 9!.$
$362799 := -3 - 62 - 7 + 9! - 9.$
$362819 := -3! - 62 + 8 - 1 + 9!.$
$362859 := -36 + 2 + 8 + 5 + 9!.$
$362879 := -36 + 28 + 7 + 9!.$

$362920 := 36 + 2 + 9! + 2 + 0.$
$362921 := 36 + 2 + 9! + 2 + 1.$
$362922 := 36 + 2 + 9! + 2 + 2.$
$362923 := 36 + 2 + 9! + 2 + 3.$
$362924 := 36 + 2 + 9! + 2 + 4.$
$362925 := 36 + 2 + 9! + 2 + 5.$
$362926 := 36 + 2 + 9! + 2 + 6.$
$362927 := 36 + 2 + 9! + 2 + 7.$
$362928 := 36 + 2 + 9! + 2 + 8.$
$362929 := 36 + 2 + 9! + 2 + 9.$

$362930 := -3! + 62 + 9! - 3! + 0.$
$362931 := -3! + 62 + 9! - 3! + 1.$
$362932 := -3! + 62 + 9! - 3! + 2.$
$362933 := -3! + 62 + 9! - 3! + 3.$
$362934 := -3! + 62 + 9! - 3! + 4.$
$362935 := -3! + 62 + 9! - 3! + 5.$
$362936 := -3! + 62 + 9! - 3! + 6.$
$362937 := -3! + 62 + 9! - 3! + 7.$
$362938 := -3! + 62 + 9! - 3! + 8.$
$362939 := -3! + 62 + 9! - 3! + 9.$

$362940 := -3! + 62 + 9! + 4 + 0.$
$362941 := -3! + 62 + 9! + 4 + 1.$
$362942 := -3! + 62 + 9! + 4 + 2.$
$362943 := -3! + 62 + 9! + 4 + 3.$
$362944 := -3! + 62 + 9! + 4 + 4.$
$362945 := -3! + 62 + 9! + 4 + 5.$
$362946 := -3! + 62 + 9! + 4 + 6.$
$362947 := -3! + 62 + 9! + 4 + 7.$
$362948 := -3! + 62 + 9! + 4 + 8.$
$362949 := -3! + 62 + 9! + 4 + 9.$

$362950 := 3 + 62 + 9! + 5 + 0.$
$362951 := 3 + 62 + 9! + 5 + 1.$
$362952 := 3 + 62 + 9! + 5 + 2.$
$362953 := 3 + 62 + 9! + 5 + 3.$
$362954 := 3 + 62 + 9! + 5 + 4.$
$362955 := 3 + 62 + 9! + 5 + 5.$
$362956 := 3 + 62 + 9! + 5 + 6.$
$362957 := 3 + 62 + 9! + 5 + 7.$
$362958 := 3 + 62 + 9! + 5 + 8.$
$362959 := 3 + 62 + 9! + 5 + 9.$

$362979 := 3! - 6 + 2 + 97 + 9!.$
$363159 := -36 + 315 + 9!.$
$363199 := 3! - 6 + 319 + 9!.$
$363239 := 36 + 323 + 9!.$
$363249 := 363 + 2 + 4 + 9!.$
$363269 := 363 + 26 + 9!.$
$363279 := 3! + 6! - 327 + 9!.$
$363489 := 3!! - 63 - 48 + 9!.$
$363499 := -3! + 634 + 9! - 9.$
$363509 := -3! + 635 + 09!.$
$363519 := 3 + 635 + 1 + 9!.$

$363539 := 3!! - 63 + 5 - 3 + 9!.$
$363549 := 3! + 6! - 3 - 54 + 9!.$
$364159 := 3!! + 6! - 41 - 5! + 9!.$
$364239 := 3!! + 642 - 3 + 9!.$
$364359 := 3!! + 6! + 4 + 35 + 9!.$
$364369 := 3! + 6! + 43 + 6! + 9!.$
$364799 := 3!! + 6! + 479 + 9!.$
$364969 := 3!! + 649 + 6! + 9!.$
$366539 := 3665 - 3! + 9!.$
$366549 := 3665 + 4 + 9!.$
$367891 := -36 + 7! + 8 + 9! - 1.$

$367928 := 36 + 7! + 9! - 28.$
$367946 := 36 + 7! + 9! - 4 - 6.$
$367950 := 36 + 7! + 9! - 5 - 0!.$
$367961 := 36 + 7! + 9! + 6 - 1.$
$367977 := -3 + 67 + 9! - 7 + 7!.$
$367995 := -36 + 7! - 9 + 9! + 5!.$

$368709 := 3!! + 68 + 7! + 0! + 9!.$
$369859 := -3! + 6985 + 9!.$
$369869 := 3 + 6986 + 9!.$

$397488 := -3!! + 9! - 7! + 48 + 8!.$
$398790 := 3!! + 9! + 8! - 7! - 90.$
$398977 := 3!! + 9! + 8! + 97 - 7!.$
$398978 := 3!! + 98 + 9! - 7! + 8!.$

$403199 := 40319 + 9!.$
$403598 := 403 - 5 + 9! + 8!.$
$403984 := 40 + 3!! + 9! + 8! + 4!.$
$725499 := -7 - 254 + 9! + 9!.$
$725699 := -7 + 2 - 56 + 9! + 9!.$
$725799 := 7 + 25 + 7 + 9! + 9!.$

4.3 Reverse Order of Digits

$4957 := 7! - 59 - 4!.$
$4967 := 7! - 69 - 4.$
$5175 := 5! + 7! + 15.$

$39538 := 8! - 3!! - 59 - 3.$
$40288 := 8! - 8 - 20 - 4.$
$40368 := 8! - 6 + 30 + 4!.$
$80585 := -5 + 8! - 50 + 8!.$

$322589 := 9! - 8! + 52 - 23.$
$323968 := -8! + 6! + 9! - 32 + 3!!.$
$357792 := -2 + 9! - 7! + 7 - 53.$
$357879 := 9! - 7! - 87 + 5! + 3!.$
$357906 := -60 + 9! - 7! + 5! + 3!.$
$357915 := -51 + 9! - 7! + 5! + 3!.$

$357917 := -7! - 1 + 9! + 75 + 3.$
$357924 := -42 + 9! - 7! + 5! + 3!.$
$357933 := -33 + 9! - 7! + 5! + 3!.$
$357942 := -24 + 9! - 7! + 5! + 3!.$
$358479 := 9! - 7! + 4 - 85 + 3!!.$
$361489 := 9! + 8 + 41 - 6! - 3!!.$
$361899 := 9! - 981 - 6 + 3!.$
$361989 := 9! - 891 - 6 + 3!.$

$361994 := 4! + 9! - 916 + 3!.$
$362096 := -6! + 9! + 0! - 2 - 63.$
$362096 := -6! + 9! + 0! - 2 - 63.$
$362149 := 9! + 4 - 12 - 6! - 3.$
$362149 := 9! + 4 - 12 - 6! - 3.$
$362749 := 9! + 4 - 72 - 63.$
$362793 := -3 + 9! - 72 - 6 - 3!.$
$362799 := 9! - 9 - 7 - 2 - 63.$
$362809 := 9! - 0! - 82 + 6 + 3!.$
$362829 := 9! - 28 - 26 + 3.$

$362900 := 0 + 09! + 26 - 3!.$
$362901 := 1 + 09! + 26 - 3!.$
$362902 := 2 + 09! + 26 - 3!.$
$362903 := 3 + 09! + 26 - 3!.$
$362904 := 4 + 09! + 26 - 3!.$
$362905 := 5 + 09! + 26 - 3!.$
$362906 := 6 + 09! + 26 - 3!.$
$362907 := 7 + 09! + 26 - 3!.$
$362908 := 8 + 09! + 26 - 3!.$
$362909 := 9 + 09! + 26 - 3!.$

$362910 := 0 + 1 + 9! + 26 + 3.$
$362911 := 1 + 1 + 9! + 26 + 3.$
$362912 := 2 + 1 + 9! + 26 + 3.$
$362913 := 3 + 1 + 9! + 26 + 3.$
$362914 := 4 + 1 + 9! + 26 + 3.$

$362915 := 5 + 1 + 9! + 26 + 3.$
$362916 := 6 + 1 + 9! + 26 + 3.$
$362917 := 7 + 1 + 9! + 26 + 3.$
$362918 := 8 + 1 + 9! + 26 + 3.$
$362919 := 9 + 1 + 9! + 26 + 3.$

$362929 := 9! + 29 + 26 - 3!.$
$362937 := -7 + 3 + 9! - 2 + 63.$
$362939 := 9! + 3 - 9 + 2 + 63.$
$362943 := 3! - 4 + 9! - 2 + 63.$
$362949 := 9! + 49 + 26 - 3!.$

$362950 := 0 + 5 + 9! + 2 + 63.$
$362951 := 1 + 5 + 9! + 2 + 63.$
$362952 := 2 + 5 + 9! + 2 + 63.$
$362953 := 3 + 5 + 9! + 2 + 63.$
$362954 := 4 + 5 + 9! + 2 + 63.$
$362955 := 5 + 5 + 9! + 2 + 63.$
$362956 := 6 + 5 + 9! + 2 + 63.$
$362957 := 7 + 5 + 9! + 2 + 63.$
$362958 := 8 + 5 + 9! + 2 + 63.$
$362959 := 9 + 5 + 9! + 2 + 63.$

$362969 := 9! + 6 + 92 - 6 - 3.$
$362975 := 5! + 7 + 9! - 26 - 3!.$
$362979 := 9! + 7 + 92 - 6 + 3!.$
$363059 := 9! + 5! - 0! - 3 + 63.$
$363239 := 9! - 3! + 2 + 363.$
$363249 := 9! + 4 + 2 + 363.$

$363539 := 9! + 3!! + 5 - 3 - 63.$
$363549 := 9! - 4 - 53 + 6! + 3!.$
$363619 := 9! + 16 + 3! + 6! - 3.$
$363629 := 9! + 26 + 3! + 6! - 3.$
$363639 := 9! + 3! + 6! + 36 - 3.$
$363649 := 9! + 46 - 3 + 6! + 3!.$
$363659 := 9! + 56 - 3 + 6! + 3!.$

$363679 := 9! + 76 - 3 + 6! + 3!.$
$363689 := 9! + 86 + 3! + 6! - 3.$
$363699 := 9! + 96 + 3! + 6! - 3.$
$364293 := 3!! + 9! - 24 + 6! - 3.$
$364359 := 9! + 5 + 34 + 6! + 3!!.$
$364369 := 9! + 6! + 3!! + 46 + 3.$
$367829 := 9! - 28 + 7! - 63.$
$367859 := 9! - 58 + 7! - 6 + 3.$

$367901 := -10 + 9! + 7! - 6 - 3.$
$367954 := -4! - 5 + 9! + 7! + 63.$
$367973 := -3 + 7! + 9! - 7 + 63.$
$367985 := 5! + 8 + 9! + 7! - 63.$
$367991 := -1 + 9 + 9! + 7! + 63.$
$368579 := 9! + 7! - 58 + 6! - 3.$

$397487 := -7! + 8! + 47 + 9! + 3!!.$
$398973 := 3!! - 7! + 9! + 8! + 93.$
$398978 := 8! - 7! + 98 + 9! + 3!!.$
$402988 := -8 + 8! + 9! - 204.$
$685399 := 9! + 9! - 35 - 8! - 6.$
$725799 := 9! + 9! + 7 + 5 + 27.$
$725899 := 9! + 9! - 8 + 5! + 27.$

The selfie numbers appearing in this section are without brackets. The numbers using brackets are divided in two partes. One is consecutive and another is non consecutive numbers.

5 Appendix II: Consecutive Symmetric Numbers With Brackets

This section deals with selfie numbers having the operations of addition and subtraction along with factorial. The results given are use of brackets. These are consecutive and symmetric. Each block is of 10 numbers ending in 0 to 9.

5.1 Both Ways

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

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

$$40320 := (40-32)! + 0 = 0 + (-2+3!+04)!.$$
$$40321 := (40-32)! + 1 = 1 + (-2+3!+04)!.$$
$$40322 := (40-32)! + 2 = 2 + (-2+3!+04)!.$$
$$40323 := (40-32)! + 3 = 3 + (-2+3!+04)!.$$
$$40324 := (40-32)! + 4 = 4 + (-2+3!+04)!.$$
$$40325 := (40-32)! + 5 = 5 + (-2+3!+04)!.$$
$$40326 := (40-32)! + 6 = 6 + (-2+3!+04)!.$$
$$40327 := (40-32)! + 7 = 7 + (-2+3!+04)!.$$
$$40328 := (40-32)! + 8 = 8 + (-2+3!+04)!.$$
$$40329 := (40-32)! + 9 = 9 + (-2+3!+04)!.$$

$$40440 := (4+0!)! + (4+4)! + 0 = 0 + (4+4)! + (0!+4)!.$$
$$40441 := (4+0!)! + (4+4)! + 1 = 1 + (4+4)! + (0!+4)!.$$
$$40442 := (4+0!)! + (4+4)! + 2 = 2 + (4+4)! + (0!+4)!.$$
$$40443 := (4+0!)! + (4+4)! + 3 = 3 + (4+4)! + (0!+4)!.$$
$$40444 := (4+0!)! + (4+4)! + 4 = 4 + (4+4)! + (0!+4)!.$$

$$40445 := (4+0!)! + (4+4)! + 5 = 5 + (4+4)! + (0!+4)!.$$
$$40446 := (4+0!)! + (4+4)! + 6 = 6 + (4+4)! + (0!+4)!.$$
$$40447 := (4+0!)! + (4+4)! + 7 = 7 + (4+4)! + (0!+4)!.$$
$$40448 := (4+0!)! + (4+4)! + 8 = 8 + (4+4)! + (0!+4)!.$$
$$40449 := (4+0!)! + (4+4)! + 9 = 9 + (4+4)! + (0!+4)!.$$

$$363000 := (3+6)! + (3!-0!)! + 00 = 00 + (-0!+3!)! + (6+3)!.$$
$$363011 := (3+6)! + (3!-0!)! + 11 = 11 + (-0!+3!)! + (6+3)!.$$
$$363022 := (3+6)! + (3!-0!)! + 22 = 22 + (-0!+3!)! + (6+3)!.$$
$$363033 := (3+6)! + (3!-0!)! + 33 = 33 + (-0!+3!)! + (6+3)!.$$
$$363044 := (3+6)! + (3!-0!)! + 44 = 44 + (-0!+3!)! + (6+3)!.$$
$$363055 := (3+6)! + (3!-0!)! + 55 = 55 + (-0!+3!)! + (6+3)!.$$
$$363066 := (3+6)! + (3!-0!)! + 66 = 66 + (-0!+3!)! + (6+3)!.$$
$$363077 := (3+6)! + (3!-0!)! + 77 = 77 + (-0!+3!)! + (6+3)!.$$
$$363088 := (3+6)! + (3!-0!)! + 88 = 88 + (-0!+3!)! + (6+3)!.$$
$$363099 := (3+6)! + (3!-0!)! + 99 = 99 + (-0!+3!)! + (6+3)!.$$

$$363600 := 3!! + (6-3+6)! + 00 = 00 + 6! + (3+(6-3)!)!.$$
$$363611 := 3!! + (6-3+6)! + 11 = 11 + 6! + (3+(6-3)!)!.$$
$$363622 := 3!! + (6-3+6)! + 22 = 22 + 6! + (3+(6-3)!)!.$$
$$363633 := 3!! + (6-3+6)! + 33 = 33 + 6! + (3+(6-3)!)!.$$
$$363644 := 3!! + (6-3+6)! + 44 = 44 + 6! + (3+(6-3)!)!.$$
$$363655 := 3!! + (6-3+6)! + 55 = 55 + 6! + (3+(6-3)!)!.$$
$$363666 := 3!! + (6-3+6)! + 66 = 66 + 6! + (3+(6-3)!)!.$$
$$363677 := 3!! + (6-3+6)! + 77 = 77 + 6! + (3+(6-3)!)!.$$
$$363688 := 3!! + (6-3+6)! + 88 = 88 + 6! + (3+(6-3)!)!.$$
$$363699 := 3!! + (6-3+6)! + 99 = 99 + 6! + (3+(6-3)!)!.$$

$$322560 := -(3!+2)! + (-2+5+6)! + 0 = 0 + (6+5-2)! - (2+3!)!.$$
$$322561 := -(3!+2)! + (-2+5+6)! + 1 = 1 + (6+5-2)! - (2+3!)!.$$
$$322562 := -(3!+2)! + (-2+5+6)! + 2 = 2 + (6+5-2)! - (2+3!)!.$$
$$322563 := -(3!+2)! + (-2+5+6)! + 3 = 3 + (6+5-2)! - (2+3!)!.$$
$$322564 := -(3!+2)! + (-2+5+6)! + 4 = 4 + (6+5-2)! - (2+3!)!.$$
$$322565 := -(3!+2)! + (-2+5+6)! + 5 = 5 + (6+5-2)! - (2+3!)!.$$
$$322566 := -(3!+2)! + (-2+5+6)! + 6 = 6 + (6+5-2)! - (2+3!)!.$$
$$322567 := -(3!+2)! + (-2+5+6)! + 7 = 7 + (6+5-2)! - (2+3!)!.$$
$$322568 := -(3!+2)! + (-2+5+6)! + 8 = 8 + (6+5-2)! - (2+3!)!.$$
$$322569 := -(3!+2)! + (-2+5+6)! + 9 = 9 + (6+5-2)! - (2+3!)!.$$

$$361440 := -3!! - 6! + (1+4+4)! + 0 = 0 + (4+4+1)! - 6! - 3!!.$$
$$361441 := -3!! - 6! + (1+4+4)! + 1 = 1 + (4+4+1)! - 6! - 3!!.$$
$$361442 := -3!! - 6! + (1+4+4)! + 2 = 2 + (4+4+1)! - 6! - 3!!.$$
$$361443 := -3!! - 6! + (1+4+4)! + 3 = 3 + (4+4+1)! - 6! - 3!!.$$
$$361444 := -3!! - 6! + (1+4+4)! + 4 = 4 + (4+4+1)! - 6! - 3!!.$$
$$361445 := -3!! - 6! + (1+4+4)! + 5 = 5 + (4+4+1)! - 6! - 3!!.$$
$$361446 := -3!! - 6! + (1+4+4)! + 6 = 6 + (4+4+1)! - 6! - 3!!.$$
$$361447 := -3!! - 6! + (1+4+4)! + 7 = 7 + (4+4+1)! - 6! - 3!!.$$
$$361448 := -3!! - 6! + (1+4+4)! + 8 = 8 + (4+4+1)! - 6! - 3!!.$$
$$361449 := -3!! - 6! + (1+4+4)! + 9 = 9 + (4+4+1)! - 6! - 3!!.$$

$$362160 := (3 + (6-2-1)!)! - 6! + 0 = 0 - 6! + (12-6+3)!.$$
$$362161 := (3 + (6-2-1)!)! - 6! + 1 = 1 - 6! + (12-6+3)!.$$
$$362162 := (3 + (6-2-1)!)! - 6! + 2 = 2 - 6! + (12-6+3)!.$$
$$362163 := (3 + (6-2-1)!)! - 6! + 3 = 3 - 6! + (12-6+3)!.$$
$$362164 := (3 + (6-2-1)!)! - 6! + 4 = 4 - 6! + (12-6+3)!.$$
$$362165 := (3 + (6-2-1)!)! - 6! + 5 = 5 - 6! + (12-6+3)!.$$
$$362166 := (3 + (6-2-1)!)! - 6! + 6 = 6 - 6! + (12-6+3)!.$$
$$362167 := (3 + (6-2-1)!)! - 6! + 7 = 7 - 6! + (12-6+3)!.$$
$$362168 := (3 + (6-2-1)!)! - 6! + 8 = 8 - 6! + (12-6+3)!.$$
$$362169 := (3 + (6-2-1)!)! - 6! + 9 = 9 - 6! + (12-6+3)!.$$

$$362880 := (-3-6+2+8+8)! + 0 = 0 + (8+8+2-6-3)!.$$
$$362881 := (-3-6+2+8+8)! + 1 = 1 + (8+8+2-6-3)!.$$
$$362882 := (-3-6+2+8+8)! + 2 = 2 + (8+8+2-6-3)!.$$
$$362883 := (-3-6+2+8+8)! + 3 = 3 + (8+8+2-6-3)!.$$
$$362884 := (-3-6+2+8+8)! + 4 = 4 + (8+8+2-6-3)!.$$
$$362885 := (-3-6+2+8+8)! + 5 = 5 + (8+8+2-6-3)!.$$
$$362886 := (-3-6+2+8+8)! + 6 = 6 + (8+8+2-6-3)!.$$
$$362887 := (-3-6+2+8+8)! + 7 = 7 + (8+8+2-6-3)!.$$
$$362888 := (-3-6+2+8+8)! + 8 = 8 + (8+8+2-6-3)!.$$
$$362889 := (-3-6+2+8+8)! + 9 = 9 + (8+8+2-6-3)!.$$

$$362900 := -3 + (6-2)! + 9! - 0! + 0 = 0 + 09! + 26 - 3!.$$
$$362901 := -3 + (6-2)! + 9! - 0! + 1 = 1 + 09! + 26 - 3!.$$
$$362902 := -3 + (6-2)! + 9! - 0! + 2 = 2 + 09! + 26 - 3!.$$
$$362903 := -3 + (6-2)! + 9! - 0! + 3 = 3 + 09! + 26 - 3!.$$
$$362904 := -3 + (6-2)! + 9! - 0! + 4 = 4 + 09! + 26 - 3!.$$

$$362905 := -3 + (6-2)! + 9! - 0! + 5 = 5 + 09! + 26 - 3!.$$
$$362906 := -3 + (6-2)! + 9! - 0! + 6 = 6 + 09! + 26 - 3!.$$
$$362907 := -3 + (6-2)! + 9! - 0! + 7 = 7 + 09! + 26 - 3!.$$
$$362908 := -3 + (6-2)! + 9! - 0! + 8 = 8 + 09! + 26 - 3!.$$
$$362909 := -3 + (6-2)! + 9! - 0! + 9 = 9 + 09! + 26 - 3!.$$

$$362910 := (3+6)! + 29 + 1 + 0 = 0 + 1 + 9! + 26 + 3.$$
$$362911 := (3+6)! + 29 + 1 + 1 = 1 + 1 + 9! + 26 + 3.$$
$$362912 := (3+6)! + 29 + 1 + 2 = 2 + 1 + 9! + 26 + 3.$$
$$362913 := (3+6)! + 29 + 1 + 3 = 3 + 1 + 9! + 26 + 3.$$
$$362914 := (3+6)! + 29 + 1 + 4 = 4 + 1 + 9! + 26 + 3.$$
$$362915 := (3+6)! + 29 + 1 + 5 = 5 + 1 + 9! + 26 + 3.$$
$$362916 := (3+6)! + 29 + 1 + 6 = 6 + 1 + 9! + 26 + 3.$$
$$362917 := (3+6)! + 29 + 1 + 7 = 7 + 1 + 9! + 26 + 3.$$
$$362918 := (3+6)! + 29 + 1 + 8 = 8 + 1 + 9! + 26 + 3.$$
$$362919 := (3+6)! + 29 + 1 + 9 = 9 + 1 + 9! + 26 + 3.$$

$$362980 := (3+6)! + 2 + 98 + 0 = 0 + 8 + 92 + (6+3)!.$$
$$362981 := (3+6)! + 2 + 98 + 1 = 1 + 8 + 92 + (6+3)!.$$
$$362982 := (3+6)! + 2 + 98 + 2 = 2 + 8 + 92 + (6+3)!.$$
$$362983 := (3+6)! + 2 + 98 + 3 = 3 + 8 + 92 + (6+3)!.$$
$$362984 := (3+6)! + 2 + 98 + 4 = 4 + 8 + 92 + (6+3)!.$$
$$362985 := (3+6)! + 2 + 98 + 5 = 5 + 8 + 92 + (6+3)!.$$
$$362986 := (3+6)! + 2 + 98 + 6 = 6 + 8 + 92 + (6+3)!.$$
$$362987 := (3+6)! + 2 + 98 + 7 = 7 + 8 + 92 + (6+3)!.$$
$$362988 := (3+6)! + 2 + 98 + 8 = 8 + 8 + 92 + (6+3)!.$$
$$362989 := (3+6)! + 2 + 98 + 9 = 9 + 8 + 92 + (6+3)!.$$

$$363000 := (3+6)! + (3! - 0!)! + 00 = 0 + (0! + 0! + 3)! + (6+3)!.$$
$$363001 := (3+6)! + (3! - 0!)! + 01 = 1 + (0! + 0! + 3)! + (6+3)!.$$
$$363002 := (3+6)! + (3! - 0!)! + 02 = 2 + (0! + 0! + 3)! + (6+3)!.$$
$$363003 := (3+6)! + (3! - 0!)! + 03 = 3 + (0! + 0! + 3)! + (6+3)!.$$
$$363004 := (3+6)! + (3! - 0!)! + 04 = 4 + (0! + 0! + 3)! + (6+3)!.$$
$$363005 := (3+6)! + (3! - 0!)! + 05 = 5 + (0! + 0! + 3)! + (6+3)!.$$
$$363006 := (3+6)! + (3! - 0!)! + 06 = 6 + (0! + 0! + 3)! + (6+3)!.$$
$$363007 := (3+6)! + (3! - 0!)! + 07 = 7 + (0! + 0! + 3)! + (6+3)!.$$
$$363008 := (3+6)! + (3! - 0!)! + 08 = 8 + (0! + 0! + 3)! + (6+3)!.$$
$$363009 := (3+6)! + (3! - 0!)! + 09 = 9 + (0! + 0! + 3)! + (6+3)!.$$

$$363600 := 3!! + (6-3+6)! + 00 = 0 + 06! + (3 + (6-3)!)!.$$
$$363601 := 3!! + (6-3+6)! + 01 = 1 + 06! + (3 + (6-3)!)!.$$
$$363602 := 3!! + (6-3+6)! + 02 = 2 + 06! + (3 + (6-3)!)!.$$
$$363603 := 3!! + (6-3+6)! + 03 = 3 + 06! + (3 + (6-3)!)!.$$
$$363604 := 3!! + (6-3+6)! + 04 = 4 + 06! + (3 + (6-3)!)!.$$
$$363605 := 3!! + (6-3+6)! + 05 = 5 + 06! + (3 + (6-3)!)!.$$
$$363606 := 3!! + (6-3+6)! + 06 = 6 + 06! + (3 + (6-3)!)!.$$
$$363607 := 3!! + (6-3+6)! + 07 = 7 + 06! + (3 + (6-3)!)!.$$
$$363608 := 3!! + (6-3+6)! + 08 = 8 + 06! + (3 + (6-3)!)!.$$
$$363609 := 3!! + (6-3+6)! + 09 = 9 + 06! + (3 + (6-3)!)!.$$

$$363720 := 3!! + (6+3)! + (7-2)! + 0 = 0 + (-2+7)! + 3!! + (6+3)!.$$
$$363721 := 3!! + (6+3)! + (7-2)! + 1 = 1 + (-2+7)! + 3!! + (6+3)!.$$
$$363722 := 3!! + (6+3)! + (7-2)! + 2 = 2 + (-2+7)! + 3!! + (6+3)!.$$
$$363723 := 3!! + (6+3)! + (7-2)! + 3 = 3 + (-2+7)! + 3!! + (6+3)!.$$
$$363724 := 3!! + (6+3)! + (7-2)! + 4 = 4 + (-2+7)! + 3!! + (6+3)!.$$
$$363725 := 3!! + (6+3)! + (7-2)! + 5 = 5 + (-2+7)! + 3!! + (6+3)!.$$
$$363726 := 3!! + (6+3)! + (7-2)! + 6 = 6 + (-2+7)! + 3!! + (6+3)!.$$
$$363727 := 3!! + (6+3)! + (7-2)! + 7 = 7 + (-2+7)! + 3!! + (6+3)!.$$
$$363728 := 3!! + (6+3)! + (7-2)! + 8 = 8 + (-2+7)! + 3!! + (6+3)!.$$
$$363729 := 3!! + (6+3)! + (7-2)! + 9 = 9 + (-2+7)! + 3!! + (6+3)!.$$

$$364320 := 3!! + 6! + (4+3+2)! + 0 = 0 + (2+3+4)! + 6! + 3!!.$$
$$364321 := 3!! + 6! + (4+3+2)! + 1 = 1 + (2+3+4)! + 6! + 3!!.$$
$$364322 := 3!! + 6! + (4+3+2)! + 2 = 2 + (2+3+4)! + 6! + 3!!.$$
$$364323 := 3!! + 6! + (4+3+2)! + 3 = 3 + (2+3+4)! + 6! + 3!!.$$
$$364324 := 3!! + 6! + (4+3+2)! + 4 = 4 + (2+3+4)! + 6! + 3!!.$$
$$364325 := 3!! + 6! + (4+3+2)! + 5 = 5 + (2+3+4)! + 6! + 3!!.$$
$$364326 := 3!! + 6! + (4+3+2)! + 6 = 6 + (2+3+4)! + 6! + 3!!.$$
$$364327 := 3!! + 6! + (4+3+2)! + 7 = 7 + (2+3+4)! + 6! + 3!!.$$
$$364328 := 3!! + 6! + (4+3+2)! + 8 = 8 + (2+3+4)! + 6! + 3!!.$$
$$364329 := 3!! + 6! + (4+3+2)! + 9 = 9 + (2+3+4)! + 6! + 3!!.$$

$$367200 := (3+6)! + 7! - (2+0!)!! + 0 = 0 - (0! + 2)!! + 7! + (6+3)!.$$
$$367201 := (3+6)! + 7! - (2+0!)!! + 1 = 1 - (0! + 2)!! + 7! + (6+3)!.$$
$$367202 := (3+6)! + 7! - (2+0!)!! + 2 = 2 - (0! + 2)!! + 7! + (6+3)!.$$
$$367203 := (3+6)! + 7! - (2+0!)!! + 3 = 3 - (0! + 2)!! + 7! + (6+3)!.$$
$$367204 := (3+6)! + 7! - (2+0!)!! + 4 = 4 - (0! + 2)!! + 7! + (6+3)!.$$

$$367205 := (3+6)! + 7! - (2+0!)!! + 5 = 5 - (0!+2)!! + 7! + (6+3)!.$$
$$367206 := (3+6)! + 7! - (2+0!)!! + 6 = 6 - (0!+2)!! + 7! + (6+3)!.$$
$$367207 := (3+6)! + 7! - (2+0!)!! + 7 = 7 - (0!+2)!! + 7! + (6+3)!.$$
$$367208 := (3+6)! + 7! - (2+0!)!! + 8 = 8 - (0!+2)!! + 7! + (6+3)!.$$
$$367209 := (3+6)! + 7! - (2+0!)!! + 9 = 9 - (0!+2)!! + 7! + (6+3)!.$$

$$367910 := (3+6)! + 7! - 9 - 1 + 0 = 0 - 1 + 9! + 7! - 6 - 3.$$
$$367911 := (3+6)! + 7! - 9 - 1 + 1 = 1 - 1 + 9! + 7! - 6 - 3.$$
$$367912 := (3+6)! + 7! - 9 - 1 + 2 = 2 - 1 + 9! + 7! - 6 - 3.$$
$$367913 := (3+6)! + 7! - 9 - 1 + 3 = 3 - 1 + 9! + 7! - 6 - 3.$$
$$367914 := (3+6)! + 7! - 9 - 1 + 4 = 4 - 1 + 9! + 7! - 6 - 3.$$
$$367915 := (3+6)! + 7! - 9 - 1 + 5 = 5 - 1 + 9! + 7! - 6 - 3.$$
$$367916 := (3+6)! + 7! - 9 - 1 + 6 = 6 - 1 + 9! + 7! - 6 - 3.$$
$$367917 := (3+6)! + 7! - 9 - 1 + 7 = 7 - 1 + 9! + 7! - 6 - 3.$$
$$367918 := (3+6)! + 7! - 9 - 1 + 8 = 8 - 1 + 9! + 7! - 6 - 3.$$
$$367919 := (3+6)! + 7! - 9 - 1 + 9 = 9 - 1 + 9! + 7! - 6 - 3.$$

$$397440 := -3!! + 9! - 7! + (4+4)! + 0 = 0 + (4+4)! - 7! + 9! - 3!!.$$
$$397441 := -3!! + 9! - 7! + (4+4)! + 1 = 1 + (4+4)! - 7! + 9! - 3!!.$$
$$397442 := -3!! + 9! - 7! + (4+4)! + 2 = 2 + (4+4)! - 7! + 9! - 3!!.$$
$$397443 := -3!! + 9! - 7! + (4+4)! + 3 = 3 + (4+4)! - 7! + 9! - 3!!.$$
$$397444 := -3!! + 9! - 7! + (4+4)! + 4 = 4 + (4+4)! - 7! + 9! - 3!!.$$
$$397445 := -3!! + 9! - 7! + (4+4)! + 5 = 5 + (4+4)! - 7! + 9! - 3!!.$$
$$397446 := -3!! + 9! - 7! + (4+4)! + 6 = 6 + (4+4)! - 7! + 9! - 3!!.$$
$$397447 := -3!! + 9! - 7! + (4+4)! + 7 = 7 + (4+4)! - 7! + 9! - 3!!.$$
$$397448 := -3!! + 9! - 7! + (4+4)! + 8 = 8 + (4+4)! - 7! + 9! - 3!!.$$
$$397449 := -3!! + 9! - 7! + (4+4)! + 9 = 9 + (4+4)! - 7! + 9! - 3!!.$$

5.2 Digit's Order

There are two consecutive symmetric numbers with blocks of 100.

$$363000 := (3+6)! + (3! - 0!)! + 00.$$
$$363001 := (3+6)! + (3! - 0!)! + 01.$$
$$363002 := (3+6)! + (3! - 0!)! + 02.$$
$$363003 := (3+6)! + (3! - 0!)! + 03.$$
$$363004 := (3+6)! + (3! - 0!)! + 04.$$
$$363005 := (3+6)! + (3! - 0!)! + 05.$$
$$363006 := (3+6)! + (3! - 0!)! + 06.$$
$$363007 := (3+6)! + (3! - 0!)! + 07.$$
$$363008 := (3+6)! + (3! - 0!)! + 08.$$
$$363009 := (3+6)! + (3! - 0!)! + 09.$$
$$363010 := (3+6)! + (3! - 0!)! + 10.$$
$$363011 := (3+6)! + (3! - 0!)! + 11.$$
$$363012 := (3+6)! + (3! - 0!)! + 12.$$
$$363013 := (3+6)! + (3! - 0!)! + 13.$$
$$363014 := (3+6)! + (3! - 0!)! + 14.$$
$$363015 := (3+6)! + (3! - 0!)! + 15.$$

$363016 := (3+6)! + (3! - 0!)! + 16.$
$363017 := (3+6)! + (3! - 0!)! + 17.$
$363018 := (3+6)! + (3! - 0!)! + 18.$
$363019 := (3+6)! + (3! - 0!)! + 19.$
$363020 := (3+6)! + (3! - 0!)! + 20.$
$363021 := (3+6)! + (3! - 0!)! + 21.$
$363022 := (3+6)! + (3! - 0!)! + 22.$
$363023 := (3+6)! + (3! - 0!)! + 23.$

$363024 := (3+6)! + (3! - 0!)! + 24.$
$363025 := (3+6)! + (3! - 0!)! + 25.$
$363026 := (3+6)! + (3! - 0!)! + 26.$
$363027 := (3+6)! + (3! - 0!)! + 27.$
$363028 := (3+6)! + (3! - 0!)! + 28.$
$363029 := (3+6)! + (3! - 0!)! + 29.$
$363030 := (3+6)! + (3! - 0!)! + 30.$
$363031 := (3+6)! + (3! - 0!)! + 31.$

$363032 := (3+6)! + (3! - 0!)! + 32.$
$363033 := (3+6)! + (3! - 0!)! + 33.$
$363034 := (3+6)! + (3! - 0!)! + 34.$
$363035 := (3+6)! + (3! - 0!)! + 35.$
$363036 := (3+6)! + (3! - 0!)! + 36.$
$363037 := (3+6)! + (3! - 0!)! + 37.$
$363038 := (3+6)! + (3! - 0!)! + 38.$
$363039 := (3+6)! + (3! - 0!)! + 39.$

$363040 := (3+6)! + (3! - 0!)! + 40.$
$363041 := (3+6)! + (3! - 0!)! + 41.$
$363042 := (3+6)! + (3! - 0!)! + 42.$
$363043 := (3+6)! + (3! - 0!)! + 43.$
$363044 := (3+6)! + (3! - 0!)! + 44.$
$363045 := (3+6)! + (3! - 0!)! + 45.$
$363046 := (3+6)! + (3! - 0!)! + 46.$
$363047 := (3+6)! + (3! - 0!)! + 47.$

$363048 := (3+6)! + (3! - 0!)! + 48.$
$363049 := (3+6)! + (3! - 0!)! + 49.$
$363050 := (3+6)! + (3! - 0!)! + 50.$
$363051 := (3+6)! + (3! - 0!)! + 51.$
$363052 := (3+6)! + (3! - 0!)! + 52.$
$363053 := (3+6)! + (3! - 0!)! + 53.$
$363054 := (3+6)! + (3! - 0!)! + 54.$
$363055 := (3+6)! + (3! - 0!)! + 55.$

$363056 := (3+6)! + (3! - 0!)! + 56.$
$363057 := (3+6)! + (3! - 0!)! + 57.$
$363058 := (3+6)! + (3! - 0!)! + 58.$
$363059 := (3+6)! + (3! - 0!)! + 59.$
$363060 := (3+6)! + (3! - 0!)! + 60.$
$363061 := (3+6)! + (3! - 0!)! + 61.$
$363062 := (3+6)! + (3! - 0!)! + 62.$
$363063 := (3+6)! + (3! - 0!)! + 63.$

$363064 := (3+6)! + (3! - 0!)! + 64.$
$363065 := (3+6)! + (3! - 0!)! + 65.$
$363066 := (3+6)! + (3! - 0!)! + 66.$
$363067 := (3+6)! + (3! - 0!)! + 67.$
$363068 := (3+6)! + (3! - 0!)! + 68.$
$363069 := (3+6)! + (3! - 0!)! + 69.$
$363070 := (3+6)! + (3! - 0!)! + 70.$
$363071 := (3+6)! + (3! - 0!)! + 71.$

$363072 := (3+6)! + (3! - 0!)! + 72.$
$363073 := (3+6)! + (3! - 0!)! + 73.$
$363074 := (3+6)! + (3! - 0!)! + 74.$
$363075 := (3+6)! + (3! - 0!)! + 75.$
$363076 := (3+6)! + (3! - 0!)! + 76.$
$363077 := (3+6)! + (3! - 0!)! + 77.$
$363078 := (3+6)! + (3! - 0!)! + 78.$
$363079 := (3+6)! + (3! - 0!)! + 79.$

$363080 := (3+6)! + (3! - 0!)! + 80.$
$363081 := (3+6)! + (3! - 0!)! + 81.$
$363082 := (3+6)! + (3! - 0!)! + 82.$
$363083 := (3+6)! + (3! - 0!)! + 83.$
$363084 := (3+6)! + (3! - 0!)! + 84.$
$363085 := (3+6)! + (3! - 0!)! + 85.$
$363086 := (3+6)! + (3! - 0!)! + 86.$
$363087 := (3+6)! + (3! - 0!)! + 87.$
$363088 := (3+6)! + (3! - 0!)! + 88.$
$363089 := (3+6)! + (3! - 0!)! + 89.$

$$363200 := (3+6)! + 320 + 0.$$
$$363201 := (3+6)! + 320 + 1.$$
$$363202 := (3+6)! + 320 + 2.$$
$$363203 := (3+6)! + 320 + 3.$$
$$363204 := (3+6)! + 320 + 4.$$
$$363205 := (3+6)! + 320 + 5.$$
$$363206 := (3+6)! + 320 + 6.$$
$$363207 := (3+6)! + 320 + 7.$$
$$363208 := (3+6)! + 320 + 8.$$
$$363209 := (3+6)! + 320 + 9.$$

$$363600 := 3!! + (6-3+6)! + 00.$$
$$363601 := 3!! + (6-3+6)! + 01.$$
$$363602 := 3!! + (6-3+6)! + 02.$$
$$363603 := 3!! + (6-3+6)! + 03.$$
$$363604 := 3!! + (6-3+6)! + 04.$$
$$363605 := 3!! + (6-3+6)! + 05.$$
$$363606 := 3!! + (6-3+6)! + 06.$$
$$363607 := 3!! + (6-3+6)! + 07.$$

$$363608 := 3!! + (6-3+6)! + 08.$$
$$363609 := 3!! + (6-3+6)! + 09.$$
$$363610 := 3!! + (6-3+6)! + 10.$$
$$363611 := 3!! + (6-3+6)! + 11.$$
$$363612 := 3!! + (6-3+6)! + 12.$$
$$363613 := 3!! + (6-3+6)! + 13.$$
$$363614 := 3!! + (6-3+6)! + 14.$$
$$363615 := 3!! + (6-3+6)! + 15.$$

$$363616 := 3!! + (6-3+6)! + 16.$$
$$363617 := 3!! + (6-3+6)! + 17.$$
$$363618 := 3!! + (6-3+6)! + 18.$$
$$363619 := 3!! + (6-3+6)! + 19.$$
$$363620 := 3!! + (6-3+6)! + 20.$$
$$363621 := 3!! + (6-3+6)! + 21.$$
$$363622 := 3!! + (6-3+6)! + 22.$$
$$363623 := 3!! + (6-3+6)! + 23.$$

$$363624 := 3!! + (6-3+6)! + 24.$$
$$363625 := 3!! + (6-3+6)! + 25.$$
$$363626 := 3!! + (6-3+6)! + 26.$$
$$363627 := 3!! + (6-3+6)! + 27.$$
$$363628 := 3!! + (6-3+6)! + 28.$$
$$363629 := 3!! + (6-3+6)! + 29.$$
$$363630 := 3!! + (6-3+6)! + 30.$$
$$363631 := 3!! + (6-3+6)! + 31.$$

$$363632 := 3!! + (6-3+6)! + 32.$$
$$363633 := 3!! + (6-3+6)! + 33.$$
$$363634 := 3!! + (6-3+6)! + 34.$$
$$363635 := 3!! + (6-3+6)! + 35.$$
$$363636 := 3!! + (6-3+6)! + 36.$$
$$363637 := 3!! + (6-3+6)! + 37.$$
$$363638 := 3!! + (6-3+6)! + 38.$$
$$363639 := 3!! + (6-3+6)! + 39.$$

$$363640 := 3!! + (6-3+6)! + 40.$$
$$363641 := 3!! + (6-3+6)! + 41.$$
$$363642 := 3!! + (6-3+6)! + 42.$$
$$363643 := 3!! + (6-3+6)! + 43.$$
$$363644 := 3!! + (6-3+6)! + 44.$$
$$363645 := 3!! + (6-3+6)! + 45.$$
$$363646 := 3!! + (6-3+6)! + 46.$$
$$363647 := 3!! + (6-3+6)! + 47.$$

$$363648 := 3!! + (6-3+6)! + 48.$$
$$363649 := 3!! + (6-3+6)! + 49.$$
$$363650 := 3!! + (6-3+6)! + 50.$$
$$363651 := 3!! + (6-3+6)! + 51.$$
$$363652 := 3!! + (6-3+6)! + 52.$$
$$363653 := 3!! + (6-3+6)! + 53.$$
$$363654 := 3!! + (6-3+6)! + 54.$$
$$363655 := 3!! + (6-3+6)! + 55.$$

$$363656 := 3!! + (6-3+6)! + 56.$$
$$363657 := 3!! + (6-3+6)! + 57.$$
$$363658 := 3!! + (6-3+6)! + 58.$$
$$363659 := 3!! + (6-3+6)! + 59.$$
$$363660 := 3!! + (6-3+6)! + 60.$$
$$363661 := 3!! + (6-3+6)! + 61.$$
$$363662 := 3!! + (6-3+6)! + 62.$$
$$363663 := 3!! + (6-3+6)! + 63.$$

$$363664 := 3!! + (6 - 3 + 6)! + 64.$$
$$363665 := 3!! + (6 - 3 + 6)! + 65.$$
$$363666 := 3!! + (6 - 3 + 6)! + 66.$$
$$363667 := 3!! + (6 - 3 + 6)! + 67.$$
$$363668 := 3!! + (6 - 3 + 6)! + 68.$$
$$363669 := 3!! + (6 - 3 + 6)! + 69.$$
$$363670 := 3!! + (6 - 3 + 6)! + 70.$$
$$363671 := 3!! + (6 - 3 + 6)! + 71.$$

$$363672 := 3!! + (6 - 3 + 6)! + 72.$$
$$363673 := 3!! + (6 - 3 + 6)! + 73.$$
$$363674 := 3!! + (6 - 3 + 6)! + 74.$$
$$363675 := 3!! + (6 - 3 + 6)! + 75.$$
$$363676 := 3!! + (6 - 3 + 6)! + 76.$$
$$363677 := 3!! + (6 - 3 + 6)! + 77.$$
$$363678 := 3!! + (6 - 3 + 6)! + 78.$$
$$363679 := 3!! + (6 - 3 + 6)! + 79.$$

$$363680 := 3!! + (6 - 3 + 6)! + 80.$$
$$363681 := 3!! + (6 - 3 + 6)! + 81.$$
$$363682 := 3!! + (6 - 3 + 6)! + 82.$$
$$363683 := 3!! + (6 - 3 + 6)! + 83.$$
$$363684 := 3!! + (6 - 3 + 6)! + 84.$$
$$363685 := 3!! + (6 - 3 + 6)! + 85.$$
$$363686 := 3!! + (6 - 3 + 6)! + 86.$$
$$363687 := 3!! + (6 - 3 + 6)! + 87.$$
$$363688 := 3!! + (6 - 3 + 6)! + 88.$$
$$363689 := 3!! + (6 - 3 + 6)! + 89.$$
$$363690 := 3!! + (6 - 3 + 6)! + 90.$$
$$363691 := 3!! + (6 - 3 + 6)! + 91.$$
$$363692 := 3!! + (6 - 3 + 6)! + 92.$$
$$363693 := 3!! + (6 - 3 + 6)! + 93.$$

$$363694 := 3!! + (6 - 3 + 6)! + 94.$$
$$363695 := 3!! + (6 - 3 + 6)! + 95.$$
$$363696 := 3!! + (6 - 3 + 6)! + 96.$$
$$363697 := 3!! + (6 - 3 + 6)! + 97.$$
$$363698 := 3!! + (6 - 3 + 6)! + 98.$$
$$363699 := 3!! + (6 - 3 + 6)! + 99.$$

$$362900 := -3 + (6 - 2)! + 9! - 0! + 0.$$
$$362901 := -3 + (6 - 2)! + 9! - 0! + 1.$$
$$362902 := -3 + (6 - 2)! + 9! - 0! + 2.$$
$$362903 := -3 + (6 - 2)! + 9! - 0! + 3.$$
$$362904 := -3 + (6 - 2)! + 9! - 0! + 4.$$

$$362905 := -3 + (6 - 2)! + 9! - 0! + 5.$$
$$362906 := -3 + (6 - 2)! + 9! - 0! + 6.$$
$$362907 := -3 + (6 - 2)! + 9! - 0! + 7.$$
$$362908 := -3 + (6 - 2)! + 9! - 0! + 8.$$
$$362909 := -3 + (6 - 2)! + 9! - 0! + 9.$$

6 Appendix III: Non Symmetric Numbers With Brackets

The previous section give the selfie numbers written in consecutive symmetric way with blocks of 10 or 100. In this section, we shall write numbers those are not symmetric as in previous section. Also these are not consecutive. Again, we have divided the results in three subsections. One in both ways, second in digit's order and third in reverse order of digits.

6.1 Both Ways

$$120 = ((1 + 2)! - 0!)!$$
$$= (-0! + (2 + 1)!)!.$$

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

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

$$720 = (7-2+0!)!$$
$$= (0! - 2 + 7)!.$$

$$744 = (7-4)!! + 4!$$
$$= 4! + (-4+7)!!.$$

$$1435 = (-1+4)!! + 3!! - 5$$
$$= -5 + 3!! + (4-1)!!.$$

$$1440 = (-1+4)!! + (4-0!)!!$$
$$= (-0! + 4)!! + (4-1)!!.$$

$$1464 = (-1+4)!! + 6! + 4!$$
$$= 4! + 6! + (4-1)!!.$$

$$4296 = -4! + (-2+9)! - 6!$$
$$= -6! + (9-2)! - 4!.$$

$$4316 = -4 - 3!! + (1+6)!$$
$$= -6! + (1+3!)! - 4.$$

$$4320 = (4+3)! - (2+0!)!!$$
$$= -(0!+2)!! + (3+4)!.$$

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

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

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

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

$$5040 = (5 - 0! + 4 - 0!)!$$
$$= (-0! + 4 - 0! + 5)!.$$

$$5184 = 5! + (-1+8)! + 4!$$
$$= 4! + (8-1)! + 5!.$$

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

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

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

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

$$35283 = 3! - (5+2)! + 8! - 3$$
$$= -3 + 8! - (2+5)! + 3!.$$

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

$$35880 = 3!! - 5! + 8! - (8-0!)!$$
$$= -(-0! + 8)! + 8! - 5! + 3!!.$$

$$39588 = -3 - 9 - (-5+8)!! + 8!$$
$$= 8! - (8-5)!! - 9 - 3.$$

$$39600 = -3!! + ((9-6)! + 0! + 0!)!$$
$$= (0! + 0! + (-6+9)!)! - 3!!.$$

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

$$40175 = -4! - 0! + (1+7)! - 5!$$
$$= -5! + (7+1)! - 0! - 4!.$$

$$40195 = -(4+0!)! + (-1+9)! - 5$$
$$= -5! + (9-1)! - 0! - 4.$$

$$40285 = -4! - (0! + 2)! + 8! - 5$$
$$= -5 + 8! - (2 + 0!)! - 4!.$$

$$40290 = -4! - (0! + 2)! + (9 - 0!)!$$
$$= (-0! + 9)! - (2 + 0!)! - 4!.$$

$$40293 = -4! + (0! - 2 + 9)! - 3$$
$$= -3 + (9 - 2 + 0!)! - 4!.$$

$$40296 = -4! + (02 + (9 - 6)!)!$$
$$= ((-6 + 9)! + 2)! - 04!.$$

$$40309 = -4 - 0! - 3! + (-0! + 9)!$$
$$= (9 - 0!)! - 3! - 0! - 4.$$

$$40313 = (4 + 0! + 3)! - 1 - 3!$$
$$= -3 + (1 + 3! + 0!)! - 4.$$

$$40314 = -(4 - 0!)! + (3 + 1 + 4)!$$
$$= -(4 - 1)! + (3 + 0! + 4)!.$$

$$40315 = (4 + 03 + 1)! - 5$$
$$= -5 + (13 - 0! - 4)!.$$

$$40316 = -4 + (03 - 1 + 6)!$$
$$= (6 - 1 + 3)! - 04.$$

$$40317 = 4 - 0! - 3! + (1 + 7)!$$
$$= (7 + 1)! - 3! - 0! + 4.$$

$$40319 = -4 + 03 + (-1 + 9)!$$
$$= (9 - 1)! + 3 - 04.$$

$$40332 = (4 - 0!)! + 3! + (3! + 2)!$$
$$= (2 + 3!)! + 3! + (-0! + 4)!.$$

$$40337 = 4! + (-0! + 3! + 3)! - 7$$
$$= -7 + (3 + 3! - 0!)! + 4!.$$

$$40342 = (4 + 0! + 3)! + 4! - 2$$
$$= -2 + 4! + (3 + 0! + 4)!.$$

$$40343 = 4! - 0! + (3! - 4 + 3!)!$$
$$= (3! - 4 + 3!)! - 0! + 4!.$$

$$40344 = 4! + (0! + 3! + (4 - 4)!)!$$
$$= ((4 - 4)! + 3! + 0!)! + 4!.$$

$$40368 = 4! + (0! - 3 + 6)! + 8!$$
$$= 8! + (6 - 3 + 0!)! + 4!.$$

$$40438 = (4 + 0!)! + 4 - 3! + 8!$$
$$= 8! - 3! + 4 + (0! + 4)!.$$

$$40458 = -(4 - 0!)! + 4! + 5! + 8!$$
$$= 8! + 5! - (4 - 0!)! + 4!.$$

$$40584 = (4 + 0!)! + 5! + 8! + 4!$$
$$= 4! + 8! + 5! + (0! + 4)!.$$

$$41036 = -4 + (1 + 0! + 3!)! + 6!$$
$$= 6! + (3! + 0! + 1)! - 4.$$

$$41038 = (4 - 1)!! + 0! - 3 + 8!$$
$$= 8! - 3 + 0! + (-1 + 4)!!.$$

$$41736 = -4! + (1 + 7)! + 3!! + 6!$$
$$= 6! + 3!! + (7 + 1)! - 4!.$$

$$44637 = (4 + 4)! - 6! - 3 + 7!$$
$$= 7! - 3 - 6! + (4 + 4)!.$$

$$45377 = 4! + (5 + 3)! + 7! - 7$$
$$= 7! - 7 + (3 + 5)! + 4!.$$

$$45384 = (-4 + 5 + 3!)! + 8! + 4!$$
$$= 4! + 8! + (3! + 5 - 4)!.$$

$$80519 = 8! - 0! - 5! + (-1 + 9)!$$
$$= (9 - 1)! - 5! - 0! + 8!.$$

$$80635 = 8! + 0! - 6 + (3+5)!$$
$$= (5+3)! - 6 + 0! + 8!.$$

$$80639 = 8! - 0! + (-(-6+3!)! + 9)!$$
$$= (9 - (3! - 6)!)! - 0! + 8!.$$

$$80640 = 8! + (-0! + 6 + 4 - 0!)!$$
$$= (-0! + 4 + 6 - 0!)! + 8!.$$

$$80755 = 8! + (0! + 7)! + 5! - 5$$
$$= 5! - 5 + (7 + 0!)! + 8!.$$

$$80760 = 8! + (0! + 7)! + (6 - 0!)!$$
$$= (-0! + 6)! + (7 + 0!)! + 8!.$$

$$277198 = -2 - 7! - (7+1)! + 9! - 8!$$
$$= -8! + 9! - (1+7)! - 7! - 2.$$

$$287278 = -2 - 8! + 7! + (2+7)! - 8!$$
$$= -8! + 7! + (2+7)! - 8! - 2.$$

$$321835 = (3 + (2+1)!)! - 8! - 3!! - 5$$
$$= -5 - 3!! - 8! + (12-3)!.$$

$$321839 = -(3 - 2 - 1)! - 8! - 3!! + 9!$$
$$= 9! - 3!! - 8! - (1+2-3)!.$$

$$321840 = (3 + (2+1)!)! - 8! - (4 - 0!)!!$$
$$= -(-0! + 4)!! - 8! + ((1+2)! + 3)!.$$

$$321864 = (3 + (2+1)!)! - 8! - 6! + 4!$$
$$= 4! - 6! - 8! + (12-3)!.$$

$$322539 = 3 - (2+2)! - (5+3)! + 9!$$
$$= 9! - (3+5)! + 2 - 23.$$

$$322549 = -(3!+2)! - 2 + (5+4)! - 9$$
$$= 9! - 4 - 5 - 2 - (2+3!)!.$$

$$322554 = -(3!+2)! - (-2+5)! + (5+4)!$$
$$= (4+5)! - (5-2)! - (2+3!)!.$$

$$322558 = 3 + (2+2+5)! - 5 - 8!$$
$$= -8! - 5 + (5+2+2)! + 3.$$

$$322559 = -3 + 2 - (-2+5+5)! + 9!$$
$$= 9! - (5+5-2)! + 2 - 3.$$

$$322584 = (3 + (2-2)! + 5)! - 8! + 4!$$
$$= 4! - 8! + (5 + (2-2)! + 3)!.$$

$$322589 = ((((32+2) - 5) - 8!) + 9!)$$
$$= 9! - 8! + 52 - 23.$$

$$322680 = (3+2)! - (2+6)! + (8+0!)!$$
$$= (0!+8)! - (6+2)! + (2+3)!.$$

$$323159 = 3!! - (2+3!)! - 1 - 5! + 9!$$
$$= 9! - 5! - 1 + 3!! - (2+3!)!.$$

$$323275 = 3!! - (2+3!)! + (2+7)! - 5$$
$$= -5 + (7+2)! + 3!! - (2+3!)!.$$

$$323280 = 3!! - (2+3!)! + (2+8-0!)!$$
$$= (-0! + 8 + 2)! - (3!+2)! + 3!!.$$

$$323998 = 3!! - 2 + (-3+9)! + 9! - 8!$$
$$= -8! + 9! + (9-3)! - 2 + 3!!.$$

$$352079 = -3!! - (5+2)! - 0! - 7! + 9!$$
$$= 9! - 7! - 0! - (2+5)! - 3!!.$$

$$352789 = -3 - (5+2)! - 7! - 8 + 9!$$
$$= 9! - 8 - 7! - (2+5)! - 3.$$

$$352792 = -3! - (5+2)! - 7! + 9! - 2$$
$$= -2 + 9! - 7! - (2+5)! - 3!.$$

$$352797 = 3 - (5-2)! - 7! + 9! - 7!$$
$$= -7! + 9! - 7! - 2 + 5 - 3!.$$

$$352798 = 3! - (5+2)! - 7! + 9! - 8$$
$$= -8 + 9! - 7! - (2+5)! + 3!.$$

$$357139 = -3!! - 5 - 7! + (1+3)! + 9!$$
$$= 9! + (3+1)! - 7! - 5 - 3!!.$$

$$357237 = -3 + 5! + (7+2)! - 3!! - 7!$$
$$= -7! - 3!! + (2+7)! + 5! - 3.$$

$$357719 = -(3-5+7)! - 7! - 1 + 9!$$
$$= 9! - 1 - 7! - (7-5+3)!.$$

$$357723 = 3! - 5! - 7! + (7+2)! - 3$$
$$= 3! + (2+7)! - 7! - 5! - 3.$$

$$357733 = 3! - 5! + 7 - 7! + (3+3!)!$$
$$= (3+3!)! + 7 - 7! - 5! + 3!.$$

$$357814 = 3 - 5 - 7! + (8+1)! - 4!$$
$$= -4! + (1+8)! - 7! - 5 + 3.$$

$$357832 = -3 - 5 - 7! + (8+3-2)!$$
$$= (-2+3+8)! - 7! - 5 - 3.$$

$$357833 = 3! - 5 - 7! - 8 + (3+3!)!$$
$$= (3+3!)! - 8 - 7! - 5 + 3!.$$

$$357837 = -3 + (5-7+8+3)! - 7!$$
$$= -7! - 3 + (8-7+5+3)!.$$

$$357930 = -3! + 5! - 7! + 9! - (3+0!)!$$
$$= -(0!+3)! + 9! - 7! + 5! - 3!.$$

$$357945 = -3! + 5! - 7! + 9! - 4 - 5$$
$$= (5+4)! - 9 - 7! + 5! - 3!.$$

$$357949 = -3! + 5! - 7! + 9! + 4 - 9$$
$$= (9-4)! + 9! - 7! - 5 - 3!.$$

$$357954 = 3 + 5! - 7! - 9 + (5+4)!$$
$$= -4 + 5! + 9! - 7! - 5 + 3.$$

$$357955 = -3! + 5! - 7! + 9! + (5-5)!$$
$$= (5-5)! + 9! - 7! + 5! - 3!.$$

$$358547 = 3!! - 5 - 8 + (5+4)! - 7!$$
$$= -7! + (4+5)! - 8 - 5 + 3!!.$$

$$360719 = -3!! - 6! - 0! - (7-1)! + 9!$$
$$= 9! - (-1+7)! - 0! - 6! - 3!!.$$

$$361319 = -3!! - 6! - (-1+3!)! - 1 + 9!$$
$$= 9! - 1 - 3!! - (-1+6)! - 3!!.$$

$$361435 = -3!! - 6! + (-1+4+3!)! + 5$$
$$= -5 - 3!! - (4-1)!! + (6+3)!.$$

$$361463 = (3+6)! - 1 + 4! - 6! - 3!!$$
$$= (3+6)! + 4! - 1 - 6! - 3!!.$$

$$361464 = -3!! + (6-1+4)! - 6! + 4!$$
$$= 4! - 6! - (4-1)!! + (6+3)!.$$

$$362039 = -(-3+6+2)! - 0! - 3!! + 9!$$
$$= 9! - 3!! - 0! - (2+6-3)!.$$

$$362040 = -3!! + (6+2+0!)! - (4+0!)!$$
$$= -(0!+4)! + (0!+2+6)! - 3!!.$$

$$362089 = -3!! - 62 - 0! - 8 + 9!$$
$$= 9! - 8 - (0!+2)!! - 63.$$

$$362133 = -3! - 6! - 21 + (3+3!)!$$
$$= (3+3!)! - 1 - 26 + 3!!.$$

$$362136 = -3 - 6! - 21 + (3+6)!$$
$$= -6! - (3-1+2)! + (6+3)!.$$

$$362139 = 3 - 6! - 21 - 3 + 9!$$
$$= 9! - (3-1+2)! - 6! + 3.$$

$$362145 = 3! - 6! - 21 + (4+5)! \\ = (5+4)! - 12 - 6! - 3.$$

$$362148 = (3+6)! - (2+1)!! - 4 - 8 \\ = -8 - 4 - (1+2)!! + (6+3)!.$$

$$362154 = -3 - 6! - 2 - 1 + (5+4)! \\ = -4 - (5+1)! - 2 + (6+3)!.$$

$$362155 = (3+6)! - (2-1+5)! - 5 \\ = -5 - (5-1+2)! + (6+3)!.$$

$$362156 = (3+6)! + 2 - 1 - 5 - 6! \\ = -6 - (5+1)! + 2 + (6+3)!.$$

$$362157 = -3 - 6! + (21 - 5 - 7)! \\ = (7+5-1-2)! - 6! - 3.$$

$$362172 = 3! - 6! + (2+1)! + (7+2)! \\ = (2+7)! + (1+2)! - 6! + 3!.$$

$$362173 = (3+6)! - (2+1)!! + 7 + 3! \\ = 3! + 7 - (1+2)!! + (6+3)!.$$

$$362179 = 3! - 6! + (2+1)! + 7 + 9! \\ = 9! + 7 + (2+1)! - 6! + 3!.$$

$$362182 = -3!! + (6-2)! + (1+8)! - 2 \\ = -2 + (8+1)! + (-2+6)! - 3!!.$$

$$362184 = (3+6)! - (2+1)!! + (8-4)! \\ = (-4+8)! - (1+2)!! + (6+3)!.$$

$$362256 = (3+6)! - (2+2)! + 5! - 6! \\ = -6! + 5! - (2+2)! + (6+3)!.$$

$$362275 = -3 - 6! - 2 + (2+7)! + 5! \\ = 5! + (7+2)! - 2 - 6! - 3.$$

$$362279 = -3 - 6! + 2 + (-2+7)! + 9! \\ = 9! + (7-2)! + 2 - 6! - 3.$$

$$362280 = -3!! + (6 - (2-2)!)! + (8+0!)! \\ = (0!+8)! + (-(2-2)! + 6)! - 3!!.$$

$$362745 = (3+6)! + 2 + 7 - 4! - 5! \\ = (5+4)! - 72 - 63.$$

$$362748 = (3+6)! - (-2+7)! - 4 - 8 \\ = -8 - 4 - (7-2)! + (6+3)!.$$

$$362749 = -(-3+6+2)! - 7 - 4 + 9! \\ = 9! + 4 - 72 - 63.$$

$$362750 = (3+6)! - 2 - 7 - 5! - 0! \\ = -0! - 5! - 7 - 2 + (6+3)!.$$

$$362752 = -(-3+6)! + (2+7)! - 5! - 2 \\ = -2 - 5! + (7+2)! - (6-3)!.$$

$$362753 = -(3!-6)! + (2+7)! - 5! - 3! \\ = -3! - 5! + (7+2)! - (-6+3!)!.$$

$$362754 = -(-3+6)! - (-2+7)! + (5+4)! \\ = (4+5)! - (7-2)! - (6-3)!.$$

$$362755 = (36-27)! - 5! - 5 \\ = -5 - 5! + (72-63)!.$$

$$362758 = (-3+6)! + (2+7)! - 5! - 8 \\ = -8 - 5! + (7+2)! + (6-3)!.$$

$$362759 = -(3+6-2-7)! - 5! + 9! \\ = 9! - 5! - (7+2-6-3)!.$$

$$362760 = (3+6)! - ((2+7-6)! - 0!)! \\ = -(-0! + (-6+7+2)!)! + (6+3)!.$$

$$362761 = (3!-6)! + (2+7)! - (6-1)! \\ = -(-1+6)! + (7+2)! + (-6+3!)!.$$

$$362763 = (3+6)! - (-2+7)! + 6 - 3$$
$$= (3+6)! - (7-2)! + 6 - 3.$$

$$362765 = -(3! - 6)! + (2+7)! + 6 - 5!$$
$$= -5! + 6 + (7+2)! - (-6+3!)!.$$

$$362769 = -3 + 6 - (-2+7)! + 6 + 9!$$
$$= 9! + 6 - (7-2)! + 6 - 3.$$

$$362772 = -36 + (2+7)! - 72$$
$$= (2+7)! - (7-2)! + 6 + 3!.$$

$$362773 = (3+6)! - (-2+7)! + 7 + 3!$$
$$= 3! + 7 - (7-2)! + (6+3)!.$$

$$362779 = 3! + 6 - (-2+7)! + 7 + 9!$$
$$= 9! + 7 - (7-2)! + 6 + 3!.$$

$$362784 = -3! - 6 + (2+7)! - 84$$
$$= (-4+8)! - (7-2)! + (6+3)!.$$

$$362793 = (3+6)! - 2 - 79 - 3!$$
$$= -3 + 9! - 72 - 6 - 3!.$$

$$362796 = 3! + 6 + (2+7)! - 96$$
$$= -6 + 9! - 72 - (6-3)!.$$

$$362817 = 3! - 62 + (8+1)! - 7$$
$$= (-7 + 18 - 2)! - 63.$$

$$362819 = -3! - 62 + 8 - 1 + 9!$$
$$= (-9+18)! + 2 - 63.$$

$$362824 = (3+6)! + 2 - 82 + 4!$$
$$= 4! + 2 - 82 + (6+3)!.$$

$$362835 = (3+6)! - 2 - 8 - 35$$
$$= -5 - 38 - 2 + (6+3)!.$$

$$362837 = (3+6)! + 2 - 8 - 37$$
$$= -7 - 38 + 2 + (6+3)!.$$

$$362839 = -3 - (6-2)! - 8 - 3! + 9!$$
$$= 9! - 38 - 2 - (-6+3!)!.$$

$$362843 = (3+6)! - 2 + 8 + 43$$
$$= -3 - 4! - 8 - 2 + (6+3)!.$$

$$362845 = (3+6)! + 2 + 8 - 45$$
$$= -5 - 4! - 8 + 2 + (6+3)!.$$

$$362847 = (3+6)! - 2 - (8-4)! - 7$$
$$= -7 - (-4+8)! - 2 + (6+3)!.$$

$$362848 = (3+6)! - 28 + 4 - 8$$
$$= -8 - 4! + (8 - 2 + 6 - 3)!.$$

$$362849 = (3+6)! + 2 - (8-4)! - 9$$
$$= 9! - 4! - 8 - 2 + 6 - 3.$$

$$362850 = (3+6)! + 2 - 8 - (5-0!)!$$
$$= -(5-0!)! - 8 + 2 + (6+3)!.$$

$$362853 = (3+6)! - 28 - 5 + 3!$$
$$= (3! - 5 + 8)! - (-2+6)! - 3.$$

$$362854 = (3+6)! + 28 - 54$$
$$= (4+5)! - 8 - (-2+6)! + 3!.$$

$$362856 = (3+6)! - (-2 + (-8+5+6)!)!$$
$$= (6-5+8)! - (-2 + (6-3)!)!.$$

$$362859 = -36 + 2 + 8 + 5 + 9!$$
$$= 9! - 5 - 8 - 2 - (6-3)!.$$

$$362862 = (3+6)! - 2 - 8 - 6 - 2$$
$$= -2 - 6 - 8 - 2 + (6+3)!.$$

$$362864 = (3+6)! + 2 - 8 - 6 - 4$$
$$= -4 - 6 - 8 + 2 + (6+3)!.$$

$$362866 = -3! - 6 - 2 + (8 + (6 - 6)!)!$$
$$= ((6 - 6)! + 8)! - 2 - 6 - 3!.$$

$$362867 = (-3 + 6 - 2 + 8)! - 6 - 7$$
$$= -7 - 6 + (8 - 2 + 6 - 3)!.$$

$$362868 = (3 + 6)! - 2 - 8 + 6 - 8$$
$$= -8 + 6 - 8 - 2 + (6 + 3)!.$$

$$362869 = -3! - 6 + (2 - 8 + 6)! + 9!$$
$$= 9! - 6 + (8 - 2 - 6)! - 3!.$$

$$362872 = (3 + 6)! - 2 - (8 - 7 + 2)!$$
$$= -(2 - 7 + 8)! - 2 + (6 + 3)!.$$

$$362873 = (3 + 6)! + 2 - 8 - 7 + 3!$$
$$= 3! - 7 - 8 + 2 + (6 + 3)!.$$

$$362874 = -3! + (6 - 2 + 8 - 7 + 4)!$$
$$= (4 - 7 + 8 - 2 + 6)! - 3!.$$

$$362875 = (3 + (6 - 2 - 8 + 7)!)! - 5$$
$$= -5 + (-7 + 8 + 2 + (6 - 3)!)!.$$

$$362876 = -(-3 + 6)! + 2 + (8 + 7 - 6)!$$
$$= (-6 + 7 + 8)! + 2 - (6 - 3)!.$$

$$362877 = 3 - 6 + (2 + 8 - (7 - 7)!)!$$
$$= ((7 - 7)! + 8)! - 2 - (-6 + 3!)!.$$

$$362878 = 3! - 6 - 2 + (8 - 7 + 8)!$$
$$= (8 - 7 + 8)! - 2 - 6 + 3!.$$

$$362879 = -36 + 28 + 7 + 9!$$
$$= 9! - (7 - 8 - 2 + 6 - 3)!.$$

$$362900 = -3 + (6 - 2)! + 9! - 0! + 0$$
$$= 00 + 9! + 26 - 3!.$$

$$362901 = -3 + (6 - 2)! + 9! - 0! + 1$$
$$= 10 + 9! + 2 + 6 + 3.$$

$$362903 = -3 + (6 - 2)! + 9! - 0! + 3$$
$$= 30 + 9! + 2 - 6 - 3.$$

$$362911 = (3 + 6)! + 29 + 1 + 1$$
$$= 11 + 9! + 26 - 3!.$$

$$362931 = 3 + (6 - 2)! + 9! + (3 + 1)!$$
$$= (1 + 3)! + 9! + (-2 + 6)! + 3.$$

$$362969 = (3 + 6)! + 2 + 96 - 9$$
$$= 9! + 6 + 92 - 6 - 3.$$

$$362973 = (3 + 6)! + 2 + 97 - 3!$$
$$= -3! + 7 + 92 + (6 + 3)!.$$

$$362975 = 3! - (6 - 2)! + 9! - 7 + 5!$$
$$= 5! + 7 + 9! - 26 - 3!.$$

$$362983 = (3 + 6)! + 2 + 98 + 3$$
$$= 38 + 9! + 2 + 63.$$

$$362987 = (3 + 6)! + 2 + 98 + 7$$
$$= 78 + 9! + 26 + 3.$$

$$362988 = (3 + 6)! + 2 + 98 + 8$$
$$= 88 + 9! + 26 - 3!.$$

$$362990 = (-3 + 6 + 2)! - 9 + 9! - 0!$$
$$= -0! - 9 + 9! + (2 + 6 - 3)!.$$

$$362992 = -3! + (-6 + 2 + 9)! + 9! - 2$$
$$= -2 + 9! + (9 + 2 - 6)! - 3!.$$

$$362994 = -((3! - 6)! + 2)! + 9! + (9 - 4)!$$
$$= (-4 + 9)! + 9! - (2 + (-6 + 3!)!)!.$$

$$362995 = -3! - 6 - 2 + 9 + 9! + 5!$$
$$= 5! + 9! - 9 - 2 + (6 - 3)!.$$

$$362998 = 3! + (-6 + 2 + 9)! + 9! - 8$$
$$= -8 + 9! + (9 + 2 - 6)! + 3!.$$

$$362999 = (-3 + 6 + 2)! - (9 - 9)! + 9!$$
$$= 9! - (9 - 9)! + (2 + 6 - 3)!.$$

$$363024 = (3 + 6)! + (3 + 02)! + 4!$$
$$= 4! + (2 + 03)! + (6 + 3)!.$$

$$363243 = 363 + (2 + 4 + 3)!$$
$$= (3 + 4 + 2)! + 363.$$

$$363245 = 363 + 2 + (4 + 5)!$$
$$= (5 + 4)! + 2 + 363.$$

$$363453 = 3!! + (6 + 3)! - 4! - 5! - 3$$
$$= 3!! - 5! - 4! - 3 + (6 + 3)!.$$

$$363456 = (3 + (6 - 3)!)! - 4! - 5! + 6!$$
$$= 6! - 5! - 4! + (3 + (6 - 3)!)!.$$

$$363480 = 3!! + (6 + 3)! - (-4 + 8 + 0!)!$$
$$= -(0! + 8 - 4)! + (3 + 6)! + 3!!.$$

$$363488 = 3!! + (6 + 3)! - 4! - 88$$
$$= -88 - 4! + 3!! + (6 + 3)!.$$

$$363498 = 3!! + (6 + 3)! - 4 - 98$$
$$= -8 - 94 + 3!! + (6 + 3)!.$$

$$363504 = 3!! + (6 + 3)! - 5! + 04!$$
$$= 4! - 05! + 3!! + (6 + 3)!.$$

$$363537 = 3!! - 63 + (5 - 3 + 7)!$$
$$= (7 - 3 + 5)! + 3!! - 63.$$

$$363543 = 3!! + (6 + 3)! - 54 - 3$$
$$= 3!! + (4 + 5)! + 3! - 63.$$

$$363574 = 3!! + (6 + 3)! + 5 - 7 - 4!$$
$$= -4! - 7 + 5 + 3!! + (6 + 3)!.$$

$$363576 = 3!! + (6 + 3)! - (5 - 7 + 6)!$$
$$= 6! - (-7 + 5 + 3!)! + (6 + 3)!.$$

$$363587 = -3! + 6! + (3! - 5 + 8)! - 7$$
$$= -7 + (8 - 5)!! + (3 + 6)! - 3!.$$

$$363589 = -3 + ((-6 + 3!)! + 5)! - 8 + 9!$$
$$= 9! - 8 + (5 + (3! - 6)!)! - 3.$$

$$363592 = 3!! - (-6 + 3!)! - 5 + 9! - 2$$
$$= -2 + 9! - 5 + 3!! - (-6 + 3!)!.$$

$$363595 = ((3 - 6 + 3)! + 5)! + 9! - 5$$
$$= -5 + 9! + (5 + (3 - 6 + 3)!)!.$$

$$363596 = (3 - 6 + 3)! - 5 + 9! + 6!$$
$$= 6! + 9! - 5 + (3 - 6 + 3)!.$$

$$363598 = 3!! + (-6 + 3!)! + 5 + 9! - 8$$
$$= -8 + 9! + 5 + 3!! + (-6 + 3!)!.$$

$$363612 = (3 + 6)! + 3! + 6! + (1 + 2)!$$
$$= (2 + 1)! + 6! + 3! + (6 + 3)!.$$

$$363613 = (3 + 6)! + 3! + 6! + 1 + 3!$$
$$= 3! + 1 + 6! + 3! + (6 + 3)!.$$

$$363618 = 3! + 6 + 3! + 6! + (1 + 8)!$$
$$= (8 + 1)! + 6! + 3! + 6 + 3!.$$

$$363624 = (3 + 6)! + 3!! + (6 + 2 - 4)!$$
$$= (-4 + 2 + 6)! + 3!! + (6 + 3)!.$$

$$363713 = 3!! + (6 + 3)! - 7 + (-1 + 3!)!$$
$$= (3! - 1)! - 7 + 3!! + (6 + 3)!.$$

$$363719 = 3!! + (6 + 3! - 7)! - 1 + 9!$$
$$= 9! - 1 + (-7 + 3! + 6)! + 3!!.$$

$$363963 = 363 + 9! + (6-3)!!$$
$$= (-3+6)!! + 9! + 363.$$

$$364195 = 3!! + 6! - (4+1)! + 9! - 5$$
$$= -5 + 9! - (1+4)! + 6! + 3!!.$$

$$364296 = 3!! - (6-4+2)! + 9! + 6!$$
$$= 6! + 9! - 24 + (6-3)!!.$$

$$364315 = 3!! + 6! + (4+3!-1)! - 5$$
$$= -5 + (13-4)! + 6! + 3!!.$$

$$364318 = 3!! + 6! + 4 - 3! + (1+8)!$$
$$= (8+1)! + 3!! + 4 + 6! - 3!.$$

$$364319 = 3!! + 6! - (4-3-1)! + 9!$$
$$= 9! + 1 + 3!! + 4 + 6! - 3!.$$

$$364337 = 3!! + 6! + 4! + (3+3!)! - 7$$
$$= -7 + 3!! + 3!! + 4! + (6+3)!.$$

$$366476 = (3+6)! - 6! - 4 + 7! - 6!$$
$$= -6! + 7! - 4 - 6! + (6+3)!.$$

$$367187 = -3! - 6! + 7! + (1+8)! - 7$$
$$= 7! + (8+1)! - 7 - 6! - 3!.$$

$$367785 = (3+6)! + 7! - 7 - 8 - 5!$$
$$= -5! - 8 - 7 + 7! + (6+3)!.$$

$$367797 = -3 - (6 - (7-7)!)! + 9! + 7!$$
$$= 7! + 9! - (-(7-7)! + 6)! - 3.$$

$$367829 = (3+6)! + 7! - 82 - 9$$
$$= 9! - 28 + 7! - 63.$$

$$367856 = (3+6)! + 7! - 8 - 56$$
$$= -6 - 58 + 7! + (6+3)!.$$

$$367894 = (-3+6)! + 7! - 8 + 9! - 4!$$
$$= -4! + 9! - 8 + 7! + (6-3)!.$$

$$367898 = -(-3+6)! + 7! - 8 + 9! - 8$$
$$= -8 + 9! - 8 + 7! - (6-3)!.$$

$$367902 = -3! - 6 + 7! + 9! - (0! + 2)!$$
$$= -(2+0!)! + 9! + 7! - 6 - 3!.$$

$$367904 = (3+6)! + 7! + 9 - 0! - 4!$$
$$= -4 + 09! + 7! - 6 - 3!.$$

$$367905 = (3+6)! + 7! - 9 - 0! - 5$$
$$= -5 - 0! + 9! + 7! - 6 - 3.$$

$$367906 = (3+6)! + 7! - 9 + 0! - 6$$
$$= -6 + 0! + 9! + 7! - 6 - 3.$$

$$367907 = -(-3+6)! - 7 + 9! + 07!$$
$$= 7! + 09! - 7 - (6-3)!.$$

$$367922 = -3 + 6 + 7! + 9! - (2-2)!$$
$$= -2 - 2 + 9! + 7! + (6-3)!.$$

$$367923 = -(3! - 6)! + 7! + 9! - 2 + 3!$$
$$= 3! - 2 + 9! + 7! - (-6+3!)!.$$

$$367924 = (-3+6)! + 7! + 9! + 2 - 4$$
$$= -4 + 2 + 9! + 7! + (6-3)!.$$

$$367925 = 3! + 6 - 7 + 9! + (2+5)!$$
$$= (5+2)! + 9! - 7 + 6 + 3!.$$

$$367931 = (3+6)! + 7! + 9 + 3 - 1$$
$$= -1 + 3 + 9! + 7! + 6 + 3.$$

$$367932 = -3! - 6 + 7! + 9! + (3! - 2)!$$
$$= (-2+3!)! + 9! + 7! - 6 - 3!.$$

$$367933 = 3! + 6 + 7! + 9! + (3-3)!$$
$$= (3-3)! + 9! + 7! + 6 + 3!.$$

$$367945 = (-3+6)! + 7! + 9! + 4! - 5$$
$$= -5 + 4! + 9! + 7! + (6-3)!.$$

$$368040 = (3+6)! + (8-0!)! + (4+0!)!$$
$$= (0!+4)! + (-0!+8)! + (6+3)!.$$

$$368637 = ((3!-6)!+8)! + 6! - 3 + 7!$$
$$= 7! - 3 + 6! + (8 + (-6+3!)!)!.$$

$$369360 = (-3+6)!! + 9! + 3!! + (6+0!)!$$
$$= (0!+6)! + 3!! + 9! + (6-3)!!.$$

$$372952 = -3! + 7! - 2 + 9! + (5+2)!$$
$$= (2+5)! + 9! - 2 + 7! - 3!.$$

$$372954 = -3! + 7! + (-2+9)! + (5+4)!$$
$$= (4+5)! + (9-2)! + 7! - 3!.$$

$$372959 = -3! + 7! + (-2+9)! + 5 + 9!$$
$$= 9! + 5 + (9-2)! + 7! - 3!.$$

$$372961 = 3 + 7! - 2 + 9! + (6+1)!$$
$$= (1+6)! + 9! - 2 + 7! + 3.$$

$$372963 = 3 + 7! + (-2+9)! + (6+3)!$$
$$= (3+6)! + (9-2)! + 7! + 3.$$

$$372969 = 3 + 7! + (-2+9)! + 6 + 9!$$
$$= 9! + 6 + (9-2)! + 7! + 3.$$

$$373675 = 3!! + 7! + (3+6)! + 7! - 5$$
$$= -5 + 7! + (6+3)! + 7! + 3!!.$$

$$373679 = 3!! + 7! - (3!-6)! + 7! + 9!$$
$$= 9! + 7! - (6-3!)! + 7! + 3!!.$$

$$373680 = 3!! + 7! + (3+6)! + (8-0!)!$$
$$= (-0!+8)! + (6+3)! + 7! + 3!!.$$

$$398037 = -3 + 9! + 8! - (-0!+3!)! - 7!$$
$$= -7! - (3!-0!)! + 8! + 9! - 3.$$

$$398158 = 3 + 9! - (8-1)! - 5 + 8!$$
$$= 8! - 5 - (-1+8)! + 9! + 3.$$

$$398163 = -3 + 9! + 8! - (1+6)! + 3!$$
$$= -3 - (6+1)! + 8! + 9! + 3!.$$

$$398277 = -3 + 9! + 8! + (-2+7)! - 7!$$
$$= -7! + (7-2)! + 8! + 9! - 3.$$

$$398760 = 3!! + 9! + 8! - 7! - (6-0!)!$$
$$= -(-0!+6)! - 7! + 8! + 9! + 3!!.$$

$$402598 = -(4-0!)!! - 2 + 5! + 9! + 8!$$
$$= 8! + 9! + 5! - 2 - (-0!+4)!!.$$

$$402958 = -(4+0!)! - 2 + 9! - 5! + 8!$$
$$= 8! - 5! + 9! - 2 - (0!+4)!.$$

$$403179 = -4! + 03 + (1+7)! + 9!$$
$$= 9! + (7+1)! + 3 - 04!.$$

$$403188 = -(4-0!)! - 3! + (1+8)! + 8!$$
$$= 8! + (8+1)! - 3! - (-0!+4)!.$$

$$403193 = (4+0!+3)! - 1 + 9! - 3!$$
$$= -3! + 9! - 1 + (3+0!+4)!.$$

$$403195 = (4+03+1)! + 9! - 5$$
$$= -5 + 9! + (1+3+04)!.$$

$$403197 = 4 + (0!+3!+1)! + 9! - 7$$
$$= -7 + 9! + (1+3!+0!)! + 4.$$

$$403199 = 40319 + 9!$$
$$= 9! + (9-1)! + 3 - 04.$$

$$403248 = 4! + (0!+3!+2)! + 4! + 8!$$
$$= 8! + 4! + (2+3!+0!)! + 4!.$$

$$403249 = 4! + 0! + (3! + 2)! + 4! + 9!$$
$$= 9! + 4! + (2 + 3!)! + 0! + 4!.$$

$$403295 = -4! - 0! + (3! + 2)! + 9! + 5!$$
$$= 5! + 9! + (2 + 3!)! - 0! - 4!.$$

$$403298 = -4! + (-0! + 3!)! + 2 + 9! + 8!$$
$$= 8! + 9! + 2 + (3! - 0!)! - 4!.$$

$$403917 = -4 + 0! + 3!! + 9! + (1 + 7)!$$
$$= (7 + 1)! + 9! + 3!! + 0! - 4.$$

$$403920 = (4 + 0! + 3)! + 9! + (2 + 0!)!!$$
$$= (0! + 2)!! + 9! + (3 + 0! + 4)!.$$

$$403923 = 4 - 0! + 3!! + 9! + (2 + 3!)!$$
$$= (3! + 2)! + 9! + 3!! - 0! + 4.$$

$$403926 = (4 - 0!)! + 3!! + 9! + (2 + 6)!$$
$$= (6 + 2)! + 9! + 3!! + (-0! + 4)!.$$

$$403928 = (4 - 0!)! + 3!! + 9! + 2 + 8!$$
$$= 8! + 2 + 9! + 3!! + (-0! + 4)!.$$

$$403944 = 4! + 03!! + 9! + (4 + 4)!$$
$$= (4 + 4)! + 9! + 3!! + 04!.$$

$$403968 = 4! + (0! + 3)! + 9! + 6! + 8!$$
$$= 8! + 6! + 9! + (3 + 0!)! + 4!.$$

$$408960 = (4 - 0!)!! + 8! + 9! + (6 + 0!)!$$
$$= (0! + 6)! + 9! + 8! + (-0! + 4)!!.$$

$$443519 = (4 + 4)! + (3 + 5)! - 1 + 9!$$
$$= 9! - 1 + (5 + 3)! + (4 + 4)!.$$

$$720719 = (7 + 2)! - 07! - 1 + 9!$$
$$= 9! - 1 - 7! + (02 + 7)!.$$

$$725519 = (7 + 2)! - 5! - 5! - 1 + 9!$$
$$= 9! - 1 - 5! - 5! + (2 + 7)!.$$

$$725635 = (7 + 2)! - 5 + (6 + 3)! - 5!$$
$$= -5 + (3 + 6)! - 5! + (2 + 7)!.$$

$$725639 = (7 + 2)! - 5! - (-6 + 3!)! + 9!$$
$$= 9! - (3! - 6)! - 5! + (2 + 7)!.$$

$$725640 = (7 + 2)! - 5! + (6 + 4 - 0!)!$$
$$= (-0! + 4 + 6)! - 5! + (2 + 7)!.$$

$$725749 = (7 + 2)! - 5 - (7 - 4)! + 9!$$
$$= 9! - (-4 + 7)! - 5 + (2 + 7)!.$$

$$725760 = (7 + 2)! + (-5 + 7 + 6 + 0!)!$$
$$= (0! + 6 + 7 - 5)! + (2 + 7)!.$$

$$725772 = (7 + 2)! + 5 + 7 + (7 + 2)!$$
$$= (2 + 7)! + 7 + 5 + (2 + 7)!.$$

$$725779 = (7 + 2)! + 5 + 7 + 7 + 9!$$
$$= 9! + 7 + 7 + 5 + (2 + 7)!.$$

$$725819 = (7 + 2)! + 58 + 1 + 9!$$
$$= 9! + (1 + 8)! + 52 + 7.$$

$$725849 = (7 + 2)! + 5 + 84 + 9!$$
$$= 9! + 4 + 85 + (2 + 7)!.$$

$$725872 = (7 + 2)! + 5! - 8 + (7 + 2)!$$
$$= (2 + 7)! - 8 + 5! + (2 + 7)!.$$

$$725879 = (7 + 2)! + 5! - 8 + 7 + 9!$$
$$= 9! + 7 - 8 + 5! + (2 + 7)!.$$

$$725904 = (7 + 2)! + 5! + 9! + 04!$$
$$= 4! + 09! + 5! + (2 + 7)!.$$

$$725995 = (7 - 2)! - 5 + 9! + 9! + 5!$$
$$= 5! + 9! + 9! + 5! + 2 - 7.$$

$$726497 = (7 + 2)! + 6! + 4! + 9! - 7$$
$$= -7 + 9! + 4! + 6! + (2 + 7)!.$$

$$726595 = (7 + 2)! + 6! + 5! + 9! - 5$$
$$= -5 + 9! + 5! + 6! + (2 + 7)!.$$

$$730795 = (7 + 3 - 0!)! + 7! + 9! - 5$$
$$= -5 + 9! + (7 - 0! + 3)! + 7!.$$

$$730919 = 7! + (3! - 0!)! + 9! - 1 + 9!$$
$$= 9! - 1 + 9! + (-0! + 3!)! + 7!.$$

6.2 Digit's Order

Here the selfie numbers are represented in digit's order. These are neither consecutive nor symmetric as of section 5:

$40260 = ((4-0!)!+2)!-60.$
$40310 = (4+0!+3)!-10.$
$40348 = -(4-0!)!+34+8!.$
$40355 = 40+(3+5)!-5.$
$40360 = 40+(3+6-0!)!.$
$40488 = (4+0!)!+48+8!.$

$322528 = -32+(2+5+2)!-8!.$
$322598 = 32+(-2+5)!+9!-8!.$
$322619 = -(3!+2)!-2+61+9!.$
$357770 = (-3+5+7)!-7!-70.$
$357780 = -3-57-7!+(8+0!)!.$
$357903 = 3!+57+9!-(0!+3!)!.$

$361440 = (3+6)!-1440.$
$361454 = -3!!-6!+14+(5+4)!.$
$361545 = -3!!-615+(4+5)!.$
$361970 = -3!!-(6-1)!+9!-70.$
$362080 = -3!!+(6+2+0!)!-80.$
$362130 = (3+6)!-(2+1)!!-30.$

$362143 = (3+6)!-21+4-3!!.$
$362181 = -(-3+6)!!+21+(8+1)!.$
$362189 = -(-3+6)!!+21+8+9!.$
$362219 = -3+62-(2+1)!!+9!.$
$362399 = -(-3+6)!!+239+9!.$
$362439 = (3+6)!-2-439.$

$362441 = (3+6)!+2-441.$
$362613 = (3+6)!-261-3!.$
$362730 = (3+6)!+(-2+7)!-30.$
$362787 = -(-3+6)!+(2+7)!-87.$
$362790 = (36-27)!-90.$
$362801 = (3+6)!+2-80-1.$

$362806 = -3!-62+(8+0!)!-6.$
$362811 = -3!-62+(8+1)!-1.$
$362812 = -3!-62+(8-1+2)!.$
$362821 = 3-62+(8+2-1)!.$
$362826 = (3+6)!-28-26.$
$362834 = (3+6)!-28+3!-4!.$

$362838 = (3+6)!-28-3!-8.$
$362840 = (-3+6-2+8)!-40.$
$362844 = (3+6)!-28-4-4.$
$362858 = (3+6)!-28+(-5+8)!.$
$362965 = (3+6)!-29-6+5!.$
$362967 = (3+6)!-2+96-7.$

$363189 = (3+6)!+318-9.$
$363193 = (3+6)!+319-3!.$
$363273 = (3+6)!-327+3!!.$
$363300 = 3!!+(6+3)!-300.$
$363518 = 3+635+(1+8)!.$
$363524 = 3!!+(6+3)!-52-4!.$

$363546 = (3+(6-3)!)!-54+6!.$
$363999 = (-3+6)!!+399+9!.$
$364363 = 3!!+6!+43+(6+3)!.$
$366545 = 3665+(4+5)!.$
$367460 = (3+6)!+7!-460.$
$367864 = (3+6)!+7!+8-64.$
$367955 = 36+7!+9!-(5-5)!.$

$367981 = -3!+67+9!+(8-1)!.$
$368708 = 3!!+68+7!+(0!+8)!.$
$372997 = 37+(-2+9)!+9!+7!.$
$725697 = (7+2)!-56+9!-7.$
$725818 = (7+2)!+58+(1+8)!.$
$726399 = (7+2)!+639+9!.$

6.3 Reverse Order of Digits

$80641 = (14-6)! + 0! + 8!.$

$321769 = 9! - 6! - 71 - (2+3!)!.$
$322494 = -4! + 9! - 42 - (2+3!)!.$
$322508 = (8+0!)! - 52 - (2+3!)!.$
$322509 = 9! + 0! - 52 - (2+3!)!.$
$357087 = -7! + (8+0!)! - 753.$
$357787 = -7! + (8+(7-7)!)! - 53.$

$357918 = -(8-1)! + 9! + 75 + 3.$
$361456 = -6! + (5+4)! + 16 - 3!!.$
$361481 = (1+8)! + 41 - 6! - 3!!.$
$361893 = -3! - 981 + (6+3)!.$
$361983 = -3! - 891 + (6+3)!.$
$362134 = (4+3!-1)! - 26 - 3!!.$

$362153 = -3!! + 5 - 12 + (6+3)!.$
$362789 = 9! - 87 + 2 - (6-3)!.$
$362803 = 3! - 0! - 82 + (6+3)!.$
$362804 = (4-0!)! - 82 + (6+3)!.$
$362813 = -3! + (1+8)! + 2 - 63.$

$362822 = (2+2)! - 82 + (6+3)!.$
$362827 = (7+2)! + 8 + 2 - 63.$
$362936 = (6+3)! - 9 + 2 + 63.$
$362944 = -4 - 4! + 92 + (6+3)!.$
$362947 = (7-4)! + 9! - 2 + 63.$

$362948 = -(8-4)! + 92 + (6+3)!.$
$362963 = (3+6)! + 92 - 6 - 3.$
$363039 = 9! + (3! - 0!)! + 36 + 3.$
$363063 = (3+6)! + (-0! + 3!)! + 63.$
$363069 = 9! + (6-0!)! + 3! + 63.$

$363479 = -97 - 4! + 3!! + (6+3)!.$
$363497 = -79 - 4! + 3!! + (6+3)!.$
$363547 = (7-4)!! - 53 + (6+3)!.$
$363616 = 6! + 16 + (3+(6-3)!)!.$

$363623 = 3!! + 26 - 3 + (6+3)!.$
$363626 = 6! + 26 + (3+(6-3)!)!.$
$363633 = 3!! + (3+6)! + 36 - 3.$
$363636 = 6! + 36 + (3+(6-3)!)!.$

$363643 = 3!! + 46 - 3 + (6+3)!.$
$363646 = 6! + 46 + (3+(6-3)!)!.$
$363653 = 3!! + 56 - 3 + (6+3)!.$
$363656 = 6! + 56 + (3+(6-3)!)!.$
$363663 = 3!! + (6+6-3)! + 63.$
$363669 = 9! + 6! + (6-3)! + 63.$

$363673 = 3!! + 76 - 3 + (6+3)!.$
$363676 = 6! + 76 + (3+(6-3)!)!.$
$363683 = 3!! + 86 - 3 + (6+3)!.$
$363686 = 6! + 86 + (3+(6-3)!)!.$
$363693 = 3!! + 96 - 3 + (6+3)!.$
$363696 = 6! + 96 + (3+(6-3)!)!.$

$364354 = (4+5)! + 34 + 6! + 3!!.$
$364366 = 6! + (6+3)! + 46 + 3!!.$
$367959 = -(9-5)! + 9! + 7! + 63.$
$403880 = -40 + 3!! + 8! + (8+0!)!.$
$725679 = 9! - 76 - 5 + (2+7)!.$
$725839 = 9! - 3! + 85 + (2+7)!.$
$725845 = (5+4)! + 85 + (2+7)!.$

7 Final Comments

In this paper, we brought *selfie numbers* using only addition, subtraction with factorial. This is motivated by historical numbers appearing in a book by Madachy [4]. In continuation we

worked [49] with selfie numbers including the other operations, such as, multiplication, division and potentiation. Since there are more than 30000 numbers, we limited only to symmetric numbers extending the section 5. This we have talking with use of factorial. Still there are numbers using square-root. This we have worked in [20, 21]. Still there are numbers those can be written in increasing and/or decreasing order of digits. This study is done in [9, 14, 18, 19]. For complete work in this direction refer to references given below: • **Selfie Numbers: Consecutive Representations in Increasing and Decreasing** [9].

- **Different Types of Pretty Wild Narcissistic Numbers: Selfie Representations - I** [11].
- **Selfie Numbers: Representations in Increasing and Decreasing Orders of Non Consecutive Digits** [14].
- **Unified Selfie Numbers** [18].
- **Patterns in Selfie Numbers** [19].
- **Selfie Numbers - I: Six Digits Symmetrical, Unified and Patterned Representations Without Factorial** [20].
- **Selfie Numbers - II: Six Digits Symmetrical, Unified and Patterned Representations Without Factorial** [21].
- **Selfie Numbers - III: With Factorial and Without Square-Root - Up To Five Digits** [22].
- **Selfie Numbers - V: Six Digits Symmetrical Representations with Factorial** [49].

Study on numbers in different situations refer [8]-[49]. Also refer [3, 5, 6, 7]. From historical point of view, for study on numbers refer also [1, 2, 4]. For study in this direction also refer [3, 5, 6, 7].

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