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Semi-Selfie Numbers - II

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Abstract

*Author studied many ways of writing **selfie numbers** [13], sometimes known by **wild narcissistic numbers**. There are numbers very much near to selfie-number, but are not selfie numbers. These types of numbers, referred as **semi-selfie numbers**. This kind of numbers are under study in this work. Numbers are written in terms of expressions with positive and negative signs having same digits on both sides of the expressions, except the power values. This paper brings **semi-selfie numbers** in different situations, such as, single digit, two-digits, three digits, etc. Two terms, three terms, numbers with different powers, etc. These studies are up to 11 digits. Some work up to 10 digits is already given in part 1 [17]. All possible numbers with 11 digits are given. In case of positive-negative signs only few alternatives are considered.*

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1 Selfie Numbers

Recently, author studied different ways of expressing numbers in such a way that both sides are with same digits. One side is with number, and another side is an expression formed by same digits with some operations. These types of numbers we call **selfie numbers**. Some times they are called as **wild narcissistic numbers**. These numbers are represented by their own digits by use of certain operations. Subsections below give different ways of writing **selfie numbers**. See below some examples:

$$\begin{aligned}
 936 &:= (\sqrt{9})!^3 + 6! &&= 6! + (3!)^{\sqrt{9}}. \\
 1296 &:= \sqrt{(1+2)!^9/6} &&= 6^{(\sqrt{9}+2-1)}. \\
 2896 &:= 2 \times (8 + (\sqrt{9})!! + 6!) &&= (6! + (\sqrt{9})!! + 8) \times 2. \\
 331779 &:= 3 + (31 - 7)^{\sqrt{7+9}} &&= \sqrt{9} + (7 \times 7 - 1)^3 \times 3. \\
 342995 &:= (3^4 - 2 - 9)^{\sqrt{9}} - 5 &&= -5 + (-9 + 9^2 - \sqrt{4})^3. \\
 759375 &:= (-7 + 59 - 37)^5 &&= (5 + 7 + 3)^{\sqrt{9}-5+7}. \\
 759381 &:= 7 + (5 \times \sqrt{9})^{-3+8} - 1 &&= -1 + (8 \times 3 - 9)^5 + 7.
 \end{aligned}$$

Examples given above are with **factorial** and **square-root** [11, 12]. First column numbers are in **digit's order** and second columns are in **reverse order of digits**. For details refer author's work [4, 5, 6, 8, 9, 10]. Still, one can have interesting results just with **factorial** [10]. See below:

| | |
|---|---|
| 1463 = -1! + 4! + 6! + 3!!. | 352797 = -3! + 5 - 2! - 7! + 9! - 7!. |
| 10077 = -1! - 0! - 0! + 7! + 7!. | 357592 = -3! - 5! - 7! - 5! + 9! - 2!. |
| 40585 = 4! + 0! + 5! + 8! + 5!. | 357941 = 3! + 5! - 7! + 9! - 4! - 1!. |
| 80518 = 8! - 0! - 5! - 1! + 8!. | 361469 = 3! - 6! - 1! + 4! - 6! + 9!. |
| 317489 = -3! - 1! - 7! - 4! - 8! + 9!. | |
| 364292 = 3!! + 6! - 4! - 2! + 9! - 2!. | 408937 = -4! + 0! + 8! + 9! + 3!! + 7!. |
| 397584 = -3!! + 9! - 7! + 5! + 8! + 4!. | 715799 = -7! - 1! + 5! - 7! + 9! + 9!. |
| 398173 = 3! + 9! + 8! + 1! - 7! + 3!. | 720599 = -7! - 2! + 0! - 5! + 9! + 9!. |
| 145 = 1! + 4! + 5!. | 363239 = 36 + 323 + 9!. |
| 733 = 7 + 3!! + 3!. | 363269 = 363 + 26 + 9!. |
| 5177 = 5! + 17 + 7!. | 403199 = 40319 + 9!. |

More studies and summary of work on numbers in different situations, refer author's work [13, 14, 15].

2 Semi-Selfie Numbers

Before defining the idea of **Semi-Selfie Numbers**, let us consider following historical example (Madachy [3], p.167-170, and Heinz [1]):

$$\begin{aligned}
 81 &:= (8 + 1)^2 \\
 512 &:= (5 + 1 + 2)^3 \\
 4913 &:= (4 + 9 + 1 + 3)^3 \\
 17576 &:= (1 + 7 + 5 + 7 + 6)^3 \\
 234256 &:= (2 + 3 + 4 + 2 + 5 + 6)^4 \\
 1679616 &:= (1 + 6 + 7 + 9 + 6 + 1 + 6)^4 \\
 17210368 &:= (1 + 7 + 2 + 1 + 0 + 3 + 6 + 8)^5 \\
 205962976 &:= (2 + 0 + 5 + 9 + 6 + 2 + 9 + 7 + 6)^5 \\
 8303765625 &:= (8 + 3 + 0 + 3 + 7 + 6 + 5 + 6 + 2 + 5)^6 \\
 24794911296 &:= (2 + 4 + 7 + 9 + 4 + 9 + 1 + 1 + 2 + 9 + 6)^6 \\
 271818611107 &:= (2 + 7 + 1 + 8 + 1 + 8 + 6 + 1 + 1 + 1 + 0 + 7)^7 \\
 6722988818432 &:= (6 + 7 + 2 + 2 + 9 + 8 + 8 + 8 + 1 + 8 + 4 + 3 + 2)^7 \\
 72301961339136 &:= (7 + 2 + 3 + 0 + 1 + 9 + 6 + 1 + 3 + 3 + 9 + 1 + 3 + 6)^8 \\
 248155780267521 &:= (2 + 4 + 8 + 1 + 5 + 5 + 7 + 8 + 0 + 2 + 6 + 7 + 5 + 2 + 1)^8.
 \end{aligned}$$

... (1)

The above representation (1) is in such a way that the both sides we have same digits except the power. Let us call it **Semi-Selfie Numbers**. Moreover, above numbers are separated by a single digit and are with positive sign.

The aim of this work is bring similar kind of numbers but with positive and negative signs. Also, the idea is to extend for any number of digits instead of single digit, for example numbers appearing in (1) can also be re-written in terms of positive negative signs. See below:

$$\begin{aligned}
 512 &:= (5 + 1 + 2)^3 = (5 - 1 - 2)^9 \\
 234256 &:= (2 + 3 + 4 + 2 + 5 + 6)^4 = (-234 + 256)^4 \\
 1679616 &:= (1 + 6 + 7 + 9 + 6 + 1 + 6)^4 = (1 + 679 + 616)^2 \\
 17210368 &:= (1 + 7 + 2 + 1 + 0 + 3 + 6 + 8)^5 = (1 + 72 - 1 - 036 - 8)^5 \\
 205962976 &:= (2 + 0 + 5 + 9 + 6 + 2 + 9 + 7 + 6)^5 = (2 - 05 + 96 + 29 - 76)^5 \\
 8303765625 &:= (8 + 3 + 0 + 3 + 7 + 6 + 5 + 6 + 2 + 5)^6 = (83 + 037 + 6 - 56 - 25)^6 \\
 24794911296 &:= (2 + 4 + 7 + 9 + 4 + 9 + 1 + 1 + 2 + 9 + 6)^6 = (247 + 9 + 4 + 91 - 1 - 296)^6.
 \end{aligned}$$

Below are more examples divided in two subsections. One only for positive sign and another for positive and negative signs. Some results up to 10 digits can be seen in author's previous works [16, 17]. In [18] interesting patterns with semi-selfie numbers are presented. This work brings detailed study up to 11 digits numbers.

3 Equal Digits Expressions

This section brings equal digits expressions, such as 1 by 1, 2 by 2, 3 by 3, etc.

3.1 Single Digit

In the representation (1), not all the numbers are included. The representation (1) brings only one possibility in each case, while below we have multiple choices. The work is limited to 11 digits. We have divided it in two subsections. One only with positive sign and another with positive and negative signs.

3.1.1 Positive Sign

$$\begin{aligned}
 81 &:= (8 + 1)^2 & 17210368 &:= (1 + 7 + 2 + 1 + 0 + 3 + 6 + 8)^5 \\
 512 &:= (5 + 1 + 2)^3 & 34012224 &:= (3 + 4 + 0 + 1 + 2 + 2 + 2 + 4)^6 \\
 2401 &:= (2 + 4 + 0 + 1)^4 & 52521875 &:= (5 + 2 + 5 + 2 + 1 + 8 + 7 + 5)^5 \\
 4913 &:= (4 + 9 + 1 + 3)^3 & 60466176 &:= (6 + 0 + 4 + 6 + 6 + 1 + 7 + 6)^5 \\
 5832 &:= (5 + 8 + 3 + 2)^3 & 205962976 &:= (2 + 0 + 5 + 9 + 6 + 2 + 9 + 7 + 6)^5 \\
 17576 &:= (1 + 7 + 5 + 7 + 6)^3 & 612220032 &:= (6 + 1 + 2 + 2 + 2 + 0 + 0 + 3 + 2)^7 \\
 19683 &:= (1 + 9 + 6 + 8 + 3)^3 & 8303765625 &:= (8 + 3 + 0 + 3 + 7 + 6 + 5 + 6 + 2 + 5)^6 \\
 234256 &:= (2 + 3 + 4 + 2 + 5 + 6)^4 & 10460353203 &:= (1 + 0 + 4 + 6 + 0 + 3 + 5 + 3 + 2 + 0 + 3)^7 \\
 390625 &:= (3 + 9 + 0 + 6 + 2 + 5)^4 & 24794911296 &:= (2 + 4 + 7 + 9 + 4 + 9 + 1 + 1 + 2 + 9 + 6)^6 \\
 614656 &:= (6 + 1 + 4 + 6 + 5 + 6)^4 & 27512614111 &:= (2 + 7 + 5 + 1 + 2 + 6 + 1 + 4 + 1 + 1 + 1)^7 \\
 1679616 &:= (1 + 6 + 7 + 9 + 6 + 1 + 6)^4 & 52523350144 &:= (5 + 2 + 5 + 2 + 3 + 3 + 5 + 0 + 1 + 4 + 4)^7 \\
 & & 68719476736 &:= (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6.
 \end{aligned}$$

3.1.2 Positive and Negative Signs

Below are numbers similar to (1), i.e., single digits representations, but with **positive and negative signs**:

$$\begin{aligned}
 64 &:= (6 - 4)^6 & 15625 &:= (1 + 5 + 6 - 2 - 5)^6 \\
 196 &:= (-1 + 9 + 6)^2 & 16384 &:= (1 - 6 + 3 + 8 - 4)^{14} \\
 243 &:= (2 + 4 - 3)^5 & &:= (1 - 6 - 3 + 8 + 4)^7 \\
 512 &:= (5 - 1 - 2)^9 & 19683 &:= (1 - 9 + 6 + 8 - 3)^9 \\
 1296 &:= (1 + 2 + 9 - 6)^4 & 20736 &:= (2 + 0 + 7 - 3 + 6)^4 \\
 1728 &:= (-1 + 7 - 2 + 8)^3 & 32768 &:= (3 - 2 - 7 + 6 + 8)^5 \\
 2048 &:= (-2 + 0 - 4 + 8)^{11} & &:= (-3 - 2 - 7 + 6 + 8)^{15} \\
 2197 &:= (-2 - 1 + 9 + 7)^3 & 38416 &:= (3 + 8 - 4 + 1 + 6)^4 \\
 3125 &:= (3 - 1 - 2 + 5)^5 & 59049 &:= (5 + 9 + 0 + 4 - 9)^5 \\
 8192 &:= (8 + 1 - 9 + 2)^{13} & 78125 &:= (7 - 8 - 1 + 2 + 5)^7 \\
 & & 83521 &:= (8 + 3 + 5 + 2 - 1)^4
 \end{aligned}$$

$$\begin{aligned}
131072 &:= (1 - 3 - 1 + 0 + 7 - 2)^{17} \\
177147 &:= (1 + 7 + 7 - 1 - 4 - 7)^{11} \\
279841 &:= (2 + 7 + 9 + 8 - 4 + 1)^4 \\
279936 &:= (2 + 7 + 9 - 9 + 3 - 6)^7 \\
371293 &:= (3 + 7 - 1 - 2 + 9 - 3)^5 \\
390625 &:= (3 - 9 + 0 - 6 + 2 + 5)^8 \\
823543 &:= (8 - 2 + 3 + 5 - 4 - 3)^7. \\
1419857 &:= (1 + 4 + 1 - 9 + 8 + 5 + 7)^5 \\
1594323 &:= (1 + 5 - 9 + 4 - 3 + 2 + 3)^{13} \\
1679616 &:= (1 + 6 + 7 - 9 - 6 + 1 + 6)^8 \\
2097152 &:= (2 + 0 - 9 + 7 - 1 + 5 - 2)^{21} \\
&:= (2 + 0 + 9 - 7 + 1 + 5 - 2)^7 \\
2476099 &:= (2 + 4 + 7 + 6 + 0 + 9 - 9)^5 \\
4782969 &:= (4 + 7 + 8 + 2 - 9 + 6 - 9)^7 \\
&:= (4 - 7 - 8 + 2 + 9 - 6 + 9)^{14} \\
4826809 &:= (-4 + 8 + 2 + 6 - 8 + 0 + 9)^6 \\
5764801 &:= (5 + 7 + 6 - 4 - 8 + 0 + 1)^8 \\
6436343 &:= (6 + 4 + 3 + 6 - 3 + 4 + 3)^5 \\
7962624 &:= (7 + 9 - 6 + 2 + 6 + 2 + 4)^5. \\
10077696 &:= (1 + 0 + 0 + 7 + 7 + 6 - 9 - 6)^9 \\
11390625 &:= (1 + 1 + 3 + 9 + 0 - 6 + 2 + 5)^6 \\
24137569 &:= (2 + 4 - 1 + 3 + 7 + 5 + 6 - 9)^6 \\
35831808 &:= (3 + 5 + 8 - 3 - 1 + 8 + 0 - 8)^7 \\
43046721 &:= (4 - 3 + 0 + 4 - 6 + 7 - 2 - 1)^{16} \\
&:= (4 + 3 + 0 + 4 - 6 + 7 - 2 - 1)^8 \\
47045881 &:= (4 + 7 + 0 + 4 + 5 + 8 - 8 - 1)^6 \\
67108864 &:= (6 + 7 - 1 + 0 + 8 - 8 - 6 - 4)^{26} \\
&:= (6 + 7 + 1 + 0 + 8 - 8 - 6 - 4)^{13} \\
129140163 &:= (1 + 2 + 9 - 1 - 4 + 0 - 1 - 6 + 3)^{17} \\
170859375 &:= (1 - 7 + 0 - 8 + 5 + 9 + 3 + 7 + 5)^7 \\
191102976 &:= (1 + 9 + 1 + 1 + 0 + 2 + 9 + 7 - 6)^6 \\
282475249 &:= (2 + 8 + 2 + 4 + 7 - 5 + 2 - 4 - 9)^{10} \\
308915776 &:= (3 + 0 + 8 - 9 - 1 + 5 + 7 + 7 + 6)^6 \\
387420489 &:= (3 + 8 + 7 + 4 + 2 + 0 + 4 + 8 - 9)^6 \\
387420489 &:= (3 + 8 + 7 - 4 - 2 + 0 - 4 - 8 + 9)^9 \\
&:= (3 + 8 + 7 + 4 + 2 + 0 - 4 - 8 - 9)^{18} \\
410338673 &:= (4 + 1 + 0 + 3 + 3 + 8 - 6 + 7 - 3)^7 \\
429981696 &:= (4 + 2 + 9 + 9 + 8 + 1 - 6 - 9 - 6)^8 \\
594823321 &:= (5 + 9 + 4 + 8 + 2 + 3 - 3 + 2 - 1)^6 \\
893871739 &:= (8 + 9 + 3 + 8 - 7 - 1 - 7 - 3 + 9)^7. \\
1220703125 &:= (1 + 2 + 2 + 0 + 7 + 0 - 3 - 1 + 2 - 5)^{13} \\
1475789056 &:= (1 + 4 + 7 + 5 + 7 - 8 + 9 + 0 - 5 - 6)^8 \\
1977326743 &:= (1 + 9 + 7 + 7 - 3 - 2 - 6 - 7 + 4 - 3)^{11} \\
2357947691 &:= (2 + 3 + 5 + 7 + 9 - 4 - 7 + 6 - 9 - 1)^9 \\
2494357888 &:= (2 + 4 + 9 + 4 - 3 + 5 - 7 - 8 + 8 + 8)^7 \\
2562890625 &:= (2 + 5 + 6 + 2 + 8 - 9 + 0 - 6 + 2 + 5)^8 \\
3404825447 &:= (3 + 4 + 0 + 4 + 8 + 2 - 5 + 4 - 4 + 7)^7 \\
3486784401 &:= (3 + 4 + 8 - 6 + 7 - 8 + 4 - 4 + 0 + 1)^{10} \\
&:= (3 + 4 + 8 - 6 - 7 + 8 - 4 - 4 + 0 + 1)^{20}. \\
3518743761 &:= (3 + 5 + 1 + 8 + 7 + 4 - 3 + 7 + 6 + 1)^6 \\
4294967296 &:= (4 + 2 + 9 + 4 + 9 - 6 - 7 - 2 + 9 - 6)^8 \\
&:= (4 + 2 + 9 + 4 - 9 + 6 - 7 - 2 - 9 + 6)^{16} \\
&:= (4 + 2 + 9 + 4 + 9 - 6 - 7 + 2 - 9 - 6)^{32} \\
6975757441 &:= (6 + 9 + 7 + 5 - 7 + 5 - 7 + 4 - 4 - 1)^8 \\
7256313856 &:= (7 + 2 + 5 + 6 + 3 - 1 + 3 + 8 + 5 + 6)^6 \\
8589934592 &:= (8 + 5 + 8 + 9 - 9 + 3 - 4 - 5 - 9 + 2)^{11} \\
&:= (8 + 5 + 8 + 9 - 9 - 3 - 4 - 5 - 9 + 2)^{33} \\
9474296896 &:= (9 + 4 + 7 + 4 + 2 + 9 + 6 + 8 - 9 + 6)^6. \\
10460353203 &:= (1 + 0 + 4 - 6 + 0 + 3 + 5 - 3 + 2 + 0 - 3)^{21}. \\
13060694016 &:= (1 + 3 + 0 + 6 + 0 + 6 - 9 + 4 + 0 + 1 - 6)^{13}. \\
13060694016 &:= (1 + 3 + 0 + 6 + 0 - 6 - 9 + 4 + 0 + 1 + 6)^{13}. \\
13492928512 &:= (1 + 3 + 4 + 9 + 2 + 9 + 2 - 8 + 5 - 1 + 2)^7. \\
13841287201 &:= (1 + 3 + 8 + 4 + 1 + 2 - 8 - 7 + 2 + 0 + 1)^{12}. \\
20661046784 &:= (2 + 0 + 6 + 6 + 1 + 0 + 4 + 6 - 7 - 8 + 4)^9. \\
25937424601 &:= (2 + 5 + 9 + 3 + 7 - 4 - 2 - 4 - 6 + 0 + 1)^{10}. \\
31381059609 &:= (3 + 1 + 3 + 8 + 1 + 0 + 5 - 9 + 6 + 0 - 9)^{11} \\
&:= (3 + 1 + 3 + 8 - 1 + 0 - 5 + 9 - 6 + 0 - 9)^{22}. \\
68719476736 &:= (6 - 8 - 7 + 1 - 9 + 4 + 7 + 6 + 7 + 3 + 6)^9. \\
&:= (6 - 8 - 7 - 1 - 9 + 4 + 7 + 6 + 7 - 3 + 6)^{12}. \\
&:= (6 - 8 - 7 - 1 + 9 - 4 - 7 + 6 + 7 - 3 + 6)^{18}. \\
&:= (6 - 8 - 7 - 1 - 9 + 4 + 7 - 6 + 7 + 3 + 6)^{36}. \\
78364164096 &:= (7 + 8 + 3 + 6 + 4 + 1 + 6 + 4 + 0 - 9 + 6)^7. \\
&:= (7 + 8 + 3 + 6 - 4 - 1 + 6 - 4 + 0 - 9 - 6)^{14}. \\
94931877133 &:= (9 + 4 + 9 + 3 + 1 - 8 + 7 + 7 - 1 + 3 + 3)^7.
\end{aligned}$$

3.2 Two-Digits

3.2.1 Positive Sign

$$1000 := (10 + 00)^3$$

$$2025 := (20 + 25)^2$$

$$3025 := (30 + 25)^2$$

$$9801 := (98 + 01)^2.$$

$$100000000 := (10 + 00 + 00 + 00 + 00)^9$$

$$1222830961 := (12 + 22 + 83 + 09 + 61)^4$$

$$1536953616 := (15 + 36 + 95 + 36 + 16)^4$$

$$1568239201 := (15 + 68 + 23 + 92 + 01)^4$$

$$100000 := (10 + 00 + 00)^5$$

$$2897022976 := (28 + 97 + 02 + 29 + 76)^4$$

$$10000000 := (10 + 00 + 00 + 00)^7$$

$$3486784401 := (34 + 86 + 78 + 44 + 01)^4$$

$$20151121 := (20 + 15 + 11 + 21)^4.$$

$$4097152081 := (40 + 97 + 15 + 20 + 81)^4$$

$$6690585616 := (66 + 90 + 58 + 56 + 16)^4.$$

3.2.2 Positive and Negative Signs

$$195112 := (19 + 51 - 12)^3$$

$$3486784401 := (-34 - 86 + 78 + 44 + 01)^{20}$$

$$456533 := (45 + 65 - 33)^3$$

$$20511149 := (20 - 51 + 11 + 49)^5$$

$$4294967296 := (42 + 94 - 96 + 72 - 96)^8$$

$$24137569 := (24 - 13 + 75 - 69)^6$$

$$:= (42 + 94 + 96 - 72 + 96)^4$$

$$81450625 := (81 + 45 - 06 - 25)^4$$

$$1358954496 := (-13 + 58 + 95 - 44 + 96)^4$$

$$5584059449 := (55 + 84 - 05 - 94 + 49)^5$$

$$1838265625 := (18 - 38 - 26 + 56 + 25)^6$$

$$6240321451 := (62 - 40 + 32 - 14 + 51)^5$$

$$9039207968 := (90 + 39 - 20 - 79 + 68)^5$$

$$2176782336 := (21 + 76 - 78 + 23 - 36)^{12}$$

$$:= (21 - 76 + 78 - 23 + 36)^6$$

$$:= (-21 + 76 - 78 + 23 + 36)^6$$

$$9509900499 := (95 + 09 + 90 + 04 - 99)^5$$

$$:= (95 - 09 - 90 + 04 + 99)^5.$$

3.3 Three-Digits

3.3.1 Positive Sign

$$494209 := (494 + 209)^2$$

$$998001 := (998 + 001)^2.$$

3.3.2 Positive and Negative Signs

$$132496 := (-132 + 496)^2$$

$$234256 := (-234 + 256)^4$$

$$456533 := (-456 + 533)^3$$

$$474552 := (-474 + 552)^3.$$

$$105413504 := (105 + 413 - 504)^7$$

$$188132517 := (188 - 132 + 517)^3$$

$$258474853 := (258 - 474 + 853)^3$$

$$312900721 := (312 - 900 + 721)^4$$

$$360944128 := (-360 + 944 + 128)^3$$

$$365525875 := (365 - 525 + 875)^3$$

$$384240583 := (384 - 240 + 583)^3$$

$$429981696 := (429 - 981 + 696)^4$$

$$547981281 := (-547 + 981 - 281)^4$$

$$605495736 := (605 - 495 + 736)^3$$

$$786330467 := (786 - 330 + 467)^3$$

3.4 Four-Digits

3.4.1 Positive Sign

$$24502500 := (2450 + 2500)^2$$

$$25502500 := (2550 + 2500)^2$$

$$52881984 := (5288 + 1984)^2$$

$$60481729 := (6048 + 1729)^2$$

$$99980001 := (9998 + 0001)^2.$$

3.4.2 Positive and Negative Signs

$$69426531 := (6942 - 6531)^3.$$

3.5 Five-Digits

3.5.1 Positive Sign

$$6049417284 := (60494 + 17284)^2$$

$$6832014336 := (68320 + 14336)^2$$

$$9048004641 := (90480 + 04641)^2$$

$$9999800001 := (99998 + 00001)^2.$$

4 Equal Terms Expressions

This section deals with expressions with fixed term expressions. Initially the results are with two-terms expressions.

4.1 Two-Terms

4.1.1 Positive Sign

$$81 := (8 + 1)^2.$$

$$100 := (10 + 0)^2.$$

$$1000 := (10 + 00)^3.$$

$$2025 := (20 + 25)^2.$$

$$3025 := (30 + 25)^2.$$

$$9801 := (98 + 01)^2.$$

$$10000 := (10 + 000)^4.$$

$$10000 := (100 + 00)^2.$$

$$88209 := (88 + 209)^2.$$

$$100000 := (10 + 0000)^5.$$

$$494209 := (494 + 209)^2.$$

$$998001 := (998 + 001)^2.$$

$$1000000 := (10 + 00000)^6.$$

$$1000000 := (100 + 0000)^3.$$

$$1000000 := (1000 + 000)^2.$$

$$4941729 := (494 + 1729)^2.$$

$$7441984 := (744 + 1984)^2.$$

$$10000000 := (10 + 000000)^7.$$

$$23804641 := (238 + 04641)^2.$$

$$24502500 := (2450 + 2500)^2.$$

$$25502500 := (2550 + 2500)^2.$$

$$28005264 := (28 + 005264)^2.$$

$$52881984 := (5288 + 1984)^2.$$

$$60481729 := (6048 + 1729)^2.$$

$$99980001 := (9998 + 0001)^2.$$

$$100000000 := (10 + 0000000)^8.$$

$$100000000 := (100 + 000000)^4.$$

$$100000000 := (10000 + 0000)^2.$$

$$300814336 := (3008 + 14336)^2.$$

$$493817284 := (4938 + 17284)^2.$$

$$1000000000 := (10 + 00000000)^9.$$

$$1000000000 := (1000 + 000000)^3.$$

$$1518037444 := (1518 + 037444)^2.$$

$$6049417284 := (60494 + 17284)^2.$$

$$6832014336 := (68320 + 14336)^2.$$

$$9048004641 := (90480 + 04641)^2.$$

$$10000000000 := (10 + 000000000)^{10}.$$

$$10000000000 := (100 + 00000000)^5.$$

$$10000000000 := (100000 + 00000)^2.$$

$$20408122449 := (20408 + 122449)^2.$$

$$21948126201 := (21948 + 126201)^2.$$

$$33058148761 := (33058 + 148761)^2.$$

$$35010152100 := (35010 + 152100)^2.$$

$$43470165025 := (43470 + 165025)^2.$$

4.1.2 Positive and Negative Signs

$$64 := (6 - 4)^6.$$

$$121 := (12 - 1)^2.$$

$$6084 := (-6 + 084)^2.$$

$$10201 := (102 - 01)^2.$$

$$82369 := (-82 + 369)^2.$$

$$132496 := (-132 + 496)^2.$$

$$234256 := (-234 + 256)^4.$$

$$456533 := (-456 + 533)^3.$$

$$474552 := (-474 + 552)^3.$$

$$1002001 := (1002 - 001)^2.$$

$$1162084 := (1162 - 084)^2.$$

$$1201216 := (-120 + 1216)^2.$$

$$1656369 := (1656 - 369)^2.$$

$$1860496 := (1860 - 496)^2.$$

$$69426531 := (6942 - 6531)^3.$$

$$330621489 := (-3306 + 21489)^2.$$

$$100020001 := (10002 - 0001)^2.$$

$$10000200001 := (100002 - 00001)^2.$$

$$123121216 := (12312 - 1216)^2.$$

$$13967221489 := (139672 - 21489)^2.$$

4.2 Three-Terms

4.2.1 Positive Sign

$$512 := (5 + 1 + 2)^3.$$

$$24068836 := (2 + 4068 + 836)^2.$$

$$1296 := (1 + 29 + 6)^2.$$

$$25502500 := (25 + 5025 + 00)^2.$$

$$2401 := (2 + 4 + 01)^4.$$

$$26198073 := (26 + 198 + 073)^3.$$

$$6724 := (6 + 72 + 4)^2.$$

$$26512201 := (26 + 5122 + 01)^2.$$

$$8281 := (82 + 8 + 1)^2.$$

$$46676224 := (46 + 6762 + 24)^2.$$

$$55225 := (5 + 5 + 225)^2.$$

$$56896849 := (5 + 689 + 6849)^2.$$

$$91125 := (9 + 11 + 25)^3.$$

$$70829056 := (70 + 8290 + 56)^2.$$

$$76860289 := (76 + 8602 + 89)^2.$$

$$136900 := (1 + 369 + 00)^2.$$

$$78428736 := (78 + 42 + 8736)^2.$$

$$143641 := (14 + 364 + 1)^2.$$

$$84787264 := (8478 + 726 + 4)^2.$$

$$171396 := (17 + 1 + 396)^2.$$

$$86955625 := (8695 + 5 + 625)^2.$$

$$455625 := (45 + 5 + 625)^2.$$

$$91891396 := (9189 + 1 + 396)^2.$$

$$571536 := (5 + 715 + 36)^2.$$

$$627264 := (62 + 726 + 4)^2.$$

$$92563641 := (9256 + 364 + 1)^2.$$

$$826281 := (826 + 2 + 81)^2.$$

$$95355225 := (9535 + 5 + 225)^2.$$

$$842724 := (842 + 72 + 4)^2.$$

$$98029801 := (98 + 02 + 9801)^2.$$

$$929296 := (929 + 29 + 6)^2.$$

$$98029801 := (9802 + 98 + 01)^2.$$

$$980100 := (980 + 10 + 0)^2.$$

$$98903025 := (9890 + 30 + 25)^2.$$

$$982081 := (982 + 08 + 1)^2.$$

$$99102025 := (9910 + 20 + 25)^2.$$

$$1679616 := (1 + 679 + 616)^2.$$

$$99800100 := (9980 + 010 + 0)^2.$$

$$2406104 := (24 + 06 + 104)^3.$$

$$99820081 := (9982 + 008 + 1)^2.$$

$$2896804 := (2 + 896 + 804)^2.$$

$$3175524 := (3 + 1755 + 24)^2.$$

$$149377284 := (1 + 4937 + 7284)^2.$$

$$161976529 := (1 + 6197 + 6529)^2.$$

$$11329956 := (11 + 3299 + 56)^2.$$

$$298287441 := (2 + 9828 + 7441)^2.$$

$$13293316 := (1 + 329 + 3316)^2.$$

$$480048687 := (48 + 0048 + 687)^3.$$

$$13557124 := (1 + 3557 + 124)^2.$$

$$494217361 := (494 + 21736 + 1)^2.$$

$$17073424 := (1 + 707 + 3424)^2.$$

$$918330048 := (91 + 833 + 0048)^3.$$

$$1280000000 := (12 + 8 + 0000000)^7.$$

$$1358291025 := (1 + 35829 + 1025)^2.$$

$$1693240201 := (16 + 932 + 40201)^2.$$

$$2141745841 := (21 + 417 + 45841)^2.$$

$$2380464100 := (2380 + 46410 + 0)^2.$$

$$2384857225 := (238 + 48572 + 25)^2.$$

$$2505002500 := (25 + 050025 + 00)^2.$$

$$2560108032 := (256 + 01080 + 32)^3.$$

$$2800526400 := (280 + 052640 + 0)^2.$$

$$2805291225 := (28 + 052912 + 25)^2.$$

$$2853162225 := (28 + 53162 + 225)^2.$$

$$4181062131 := (418 + 1062 + 131)^3.$$

$$5906076201 := (590 + 60 + 76201)^2.$$

$$5947648641 := (594 + 76486 + 41)^2.$$

$$6580129924 := (65 + 80129 + 924)^2.$$

$$7261084944 := (7 + 261 + 084944)^2.$$

$$8862527881 := (8 + 86252 + 7881)^2.$$

$$9849371536 := (98493 + 715 + 36)^2.$$

$$9926136900 := (99261 + 369 + 00)^2.$$

$$9940688209 := (99406 + 88 + 209)^2.$$

$$9980010000 := (99800 + 100 + 00)^2.$$

$$9980209801 := (99802 + 098 + 01)^2.$$

$$9989003025 := (99890 + 030 + 25)^2.$$

$$9991002025 := (99910 + 020 + 25)^2.$$

$$9998000100 := (99980 + 0010 + 0)^2.$$

$$9998200081 := (99982 + 0008 + 1)^2.$$

$$9999800001 := (99998 + 0000 + 1)^2.$$

$$10999394884 := (1 + 09993 + 94884)^2.$$

$$12519490248 := (125 + 1949 + 0248)^3.$$

$$13769379649 := (1 + 37693 + 79649)^2.$$

$$19902511000 := (199 + 02511 + 000)^3.$$

$$20301732352 := (203 + 0173 + 2352)^3.$$

$$29869171929 := (29 + 869 + 171929)^2.$$

$$62416028224 := (6 + 241602 + 8224)^2.$$

$$76024275625 := (76 + 024 + 275625)^2.$$

$$93824221184 := (938 + 2422 + 1184)^3.$$

4.2.2 Positive and Negative Signs

$$196 := (-1 + 9 + 6)^2.$$

$$243 := (2 + 4 - 3)^5.$$

$$512 := (5 - 1 - 2)^9.$$

$$1024 := (10 - 2 - 4)^5.$$

$$1331 := (13 - 3 + 1)^3.$$

$$1936 := (-1 + 9 + 36)^2.$$

$$2048 := (-2 - 04 + 8)^{11}.$$

$$3364 := (-3 - 3 + 64)^2.$$

$$3969 := (3 - 9 + 69)^2.$$

$$5776 := (5 + 77 - 6)^2.$$

$$7396 := (-7 - 3 + 96)^2.$$

$$11881 := (118 - 8 - 1)^2.$$

$$12996 := (129 - 9 - 6)^2.$$

$$15129 := (-1 - 5 + 129)^2.$$

$$17161 := (-1 + 71 + 61)^2.$$

$$17956 := (-1 + 79 + 56)^2.$$

$$39204 := (3 - 9 + 204)^2.$$

$$46225 := (-4 - 6 + 225)^2.$$

$$46656 := (-4 + 66 - 56)^6.$$

$$97336 := (9 + 73 - 36)^3.$$

$$\begin{aligned}
104329 &:= (-10 + 4 + 329)^2. \\
161051 &:= (1 + 61 - 051)^5. \\
195112 &:= (19 + 51 - 12)^3. \\
300763 &:= (-3 + 007 + 63)^3. \\
326041 &:= (-32 + 604 - 1)^2. \\
456533 &:= (45 + 65 - 33)^3. \\
608400 &:= (-60 + 840 + 0)^2. \\
636056 &:= (-6 + 36 + 056)^3.
\end{aligned}$$

$$\begin{aligned}
678976 &:= (-67 + 897 - 6)^2. \\
680625 &:= (-6 + 806 + 25)^2. \\
790321 &:= (7 + 903 - 21)^2. \\
808201 &:= (80 + 820 - 1)^2. \\
829921 &:= (-82 + 992 + 1)^2.
\end{aligned}$$

$$\begin{aligned}
853776 &:= (853 + 77 - 6)^2. \\
877969 &:= (877 - 9 + 69)^2. \\
978121 &:= (978 + 12 - 1)^2.
\end{aligned}$$

$$\begin{aligned}
1018081 &:= (1018 - 08 - 1)^2. \\
1020100 &:= (1020 - 10 + 0)^2. \\
1022121 &:= (1022 - 12 + 1)^2. \\
1030301 &:= (103 - 03 + 01)^3. \\
1061208 &:= (106 - 12 + 08)^3. \\
1089936 &:= (1089 - 9 - 36)^2. \\
1179396 &:= (1179 + 3 - 96)^2.
\end{aligned}$$

$$\begin{aligned}
1229881 &:= (-1 + 229 + 881)^2. \\
1229881 &:= (122 + 988 - 1)^2. \\
1261129 &:= (-12 + 6 + 1129)^2. \\
1336336 &:= (133 - 63 - 36)^4. \\
1495729 &:= (-1 + 495 + 729)^2. \\
1771561 &:= (-1 + 771 + 561)^2. \\
1779556 &:= (-1 + 779 + 556)^2.
\end{aligned}$$

$$\begin{aligned}
3017169 &:= (30 + 1716 - 9)^2. \\
3751969 &:= (-37 + 5 + 1969)^2. \\
4084101 &:= (4 - 084 + 101)^5. \\
4826809 &:= (-4 + 826 - 809)^6. \\
7828804 &:= (-78 + 2880 - 4)^2. \\
9129329 &:= (9 - 129 + 329)^3. \\
9129329 &:= (-91 - 29 + 329)^3.
\end{aligned}$$

$$\begin{aligned}
10316944 &:= (-1 + 03169 + 44)^2. \\
10793861 &:= (1079 + 3 - 861)^3. \\
12326391 &:= (-123 + 263 + 91)^3. \\
12355225 &:= (-12 + 3552 - 25)^2. \\
14526784 &:= (-14 - 526 + 784)^3. \\
20570824 &:= (20 - 570 + 824)^3. \\
21594609 &:= (-21 + 59 + 4609)^2. \\
23149125 &:= (-231 + 491 + 25)^3. \\
23393656 &:= (23 - 393 + 656)^3. \\
23639903 &:= (23 - 639 + 903)^3.
\end{aligned}$$

$$\begin{aligned}
24492601 &:= (24 + 4926 - 01)^2. \\
28665316 &:= (-28 + 66 + 5316)^2. \\
35153041 &:= (-35 + 153 - 041)^4. \\
35426304 &:= (-354 + 2 + 6304)^2. \\
35831808 &:= (35 - 831 + 808)^7. \\
35916049 &:= (35 - 91 + 6049)^2. \\
36857041 &:= (368 + 5704 - 1)^2.
\end{aligned}$$

$$\begin{aligned}
37015056 &:= (37 - 015 + 056)^4. \\
39135393 &:= (391 + 35 - 393)^5. \\
41216400 &:= (41 - 21 + 6400)^2. \\
43243551 &:= (43 - 243 + 551)^3. \\
43986977 &:= (-439 + 869 - 77)^3. \\
43996689 &:= (43 - 99 + 6689)^2. \\
45435424 &:= (45 - 435 + 424)^5. \\
46063369 &:= (460 + 6336 - 9)^2. \\
46977316 &:= (-469 + 7 + 7316)^2. \\
47073321 &:= (-470 + 7332 - 1)^2.
\end{aligned}$$

$$\begin{aligned}
47832147 &:= (478 + 32 - 147)^3. & 111746041 &:= (11174 - 604 + 1)^2. \\
48228544 &:= (48 - 228 + 544)^3. & 116208400 &:= (11620 - 840 + 0)^2. \\
48566961 &:= (-48 + 56 + 6961)^2. & 117158976 &:= (11715 - 897 + 6)^2. \\
52867441 &:= (528 + 6744 - 1)^2. & 119049921 &:= (11904 - 992 - 1)^2. \\
54010152 &:= (540 - 10 - 152)^3. & 130323843 &:= (-13 - 0323 + 843)^3. \\
54745201 &:= (-54 + 7452 + 01)^2. & 132618256 &:= (-1 + 3261 + 8256)^2. \\
57927321 &:= (5 + 7927 - 321)^2. & 133432831 &:= (-1 + 3343 - 2831)^3. \\
66080641 &:= (66 + 08064 - 1)^2. & 139617856 &:= (-1 + 3961 + 7856)^2. \\
76895361 &:= (-768 + 9536 + 1)^2. & 177715561 &:= (-1 + 7771 + 5561)^2. \\
78402752 &:= (78 - 402 + 752)^3. & 177795556 &:= (-1 + 7779 + 5556)^2. \\
79049881 &:= (7904 + 988 - 1)^2. & 180714249 &:= (1 - 807 + 14249)^2. \\
80910025 &:= (-80 + 9100 - 25)^2. & 188132517 &:= (188 - 132 + 517)^3. \\
82828201 &:= (8282 + 820 - 1)^2. & 244015641 &:= (-24 + 4 + 015641)^2. \\
90973444 &:= (9097 - 3 + 444)^2. & 258474853 &:= (258 - 474 + 853)^3. \\
91795561 &:= (9 + 17 + 9556 - 1)^2. & 312900721 &:= (312 - 900 + 721)^4. \\
91968100 &:= (-91 + 9681 + 00)^2. & 352275361 &:= (3 - 5227 + 5361)^4. \\
96079204 &:= (-9 + 607 + 9204)^2. & 360944128 &:= (-360 + 944 + 128)^3. \\
96079204 &:= (9607 - 9 + 204)^2. & 363994344 &:= (-3639 + 9 + 4344)^3. \\
98446084 &:= (9844 - 6 + 084)^2. & 365525875 &:= (365 - 525 + 875)^3. \\
99780121 &:= (9978 + 012 - 1)^2. & 384240583 &:= (384 - 240 + 583)^3. \\
100020001 &:= (10002 + 000 - 1)^2. & 429981696 &:= (429 - 981 + 696)^4. \\
100180081 &:= (10018 - 008 - 1)^2. & 504358336 &:= (-5043 + 5833 + 6)^3. \\
100200100 &:= (10020 - 010 + 0)^2. & 547981281 &:= (-547 + 981 - 281)^4. \\
100220121 &:= (10022 - 012 + 1)^2. & 605495736 &:= (605 - 495 + 736)^3. \\
100902025 &:= (10090 - 20 - 25)^2. & 609800192 &:= (60 + 980 - 0192)^3. \\
101103025 &:= (10110 - 30 - 25)^2. & 783777448 &:= (-7 + 8377 - 7448)^3. \\
101566084 &:= (10156 + 6 - 084)^2. & 786330467 &:= (786 - 330 + 467)^3. \\
101989801 &:= (10198 - 98 - 01)^2. & 876929769 &:= (-87 - 69 + 29769)^2. \\
102475129 &:= (10247 + 5 - 129)^2. & 1003003001 &:= (1003 - 003 + 001)^3. \\
102637161 &:= (10263 - 71 - 61)^2. & 1006012008 &:= (1006 - 012 + 008)^3. \\
102697956 &:= (10269 - 79 - 56)^2. & 1252726552 &:= (1252 - 726 + 552)^3. \\
104346225 &:= (10434 + 6 - 225)^2. & 1256216039 &:= (1256 - 216 + 039)^3. \\
105413504 &:= (105 + 413 - 504)^7. & 1261599361 &:= (-1 + 26159 + 9361)^2. \\
106564329 &:= (10656 - 4 - 329)^2. & 1305015625 &:= (-1 + 30501 + 5625)^2. \\
& & 1312932375 &:= (13 - 1293 + 2375)^3. \\
& & 1316532736 &:= (13 - 1653 + 2736)^3. \\
& & 1441037521 &:= (-1 + 441 + 037521)^2.
\end{aligned}$$

$$1456338244 := (-145 + 63 + 38244)^2.$$

$$1543939849 := (-154 + 39398 + 49)^2.$$

$$1544804416 := (1544 - 804 + 416)^3.$$

$$1549839424 := (-154 + 98 + 39424)^2.$$

$$1566338929 := (-15 + 663 + 38929)^2.$$

$$1771561000 := (1771 - 561 + 000)^3.$$

$$2242496025 := (-2242 + 49602 - 5)^2.$$

$$2355452089 := (-2 - 3554 + 52089)^2.$$

$$2426449081 := (242 - 64 + 49081)^2.$$

$$2649057961 := (-2 - 6490 + 57961)^2.$$

$$2655134784 := (265 + 51347 - 84)^2.$$

$$2779431416 := (2779 + 43 - 1416)^3.$$

$$2822053129 := (-28 + 22 + 053129)^2.$$

$$3029952025 := (3029 - 9 + 52025)^2.$$

$$3651059776 := (-3 + 651 + 059776)^2.$$

$$3666512088 := (-3666 + 5120 + 88)^3.$$

$$4125364441 := (41 - 253 + 64441)^2.$$

$$5171911056 := (-51 + 71911 + 056)^2.$$

$$5186700891 := (-5186 + 7008 - 91)^3.$$

$$5574115600 := (-55 + 74115 + 600)^2.$$

$$6390083844 := (-6 - 3900 + 83844)^2.$$

$$6597500625 := (-65 + 975 - 00625)^4.$$

$$6860643241 := (6 + 86064 - 3241)^2.$$

$$6891541327 := (689 + 1541 - 327)^3.$$

$$6978430369 := (-697 + 84303 - 69)^2.$$

$$8118190201 := (81 - 181 + 90201)^2.$$

$$8230172859 := (-823 - 017 + 2859)^3.$$

$$8598667441 := (85986 + 6744 - 1)^2.$$

$$8688663369 := (86886 + 6336 - 9)^2.$$

$$8822657041 := (88226 + 5704 - 1)^2.$$

$$9109557136 := (-91 + 095571 - 36)^2.$$

$$9228868489 := (9228 + 86848 - 9)^2.$$

$$9655617169 := (96556 + 1716 - 9)^2.$$

$$9822990321 := (98229 + 903 - 21)^2.$$

$$9942682369 := (99426 - 82 + 369)^2.$$

$$9979810201 := (99798 + 102 - 01)^2.$$

$$9984406084 := (99844 - 06 + 084)^2.$$

$$9997800121 := (99978 + 0012 - 1)^2.$$

$$10057482369 := (100574 + 82 - 369)^2.$$

$$10059488209 := (100594 - 88 - 209)^2.$$

$$10391151969 := (103911 - 5 - 1969)^2.$$

$$10517853871 := (105 - 1785 + 3871)^3.$$

$$10567428804 := (105674 - 2880 + 4)^2.$$

$$10671096601 := (-10 + 6710 + 96601)^2.$$

$$11012193721 := (-1 + 101219 + 3721)^2.$$

$$11033611681 := (-1 + 103361 + 1681)^2.$$

$$11225826304 := (112258 - 2 - 6304)^2.$$

$$11284642907 := (-1128 + 464 + 2907)^3.$$

$$11417777316 := (114177 - 7 - 7316)^2.$$

$$11419273321 := (114192 - 7332 + 1)^2.$$

$$11830695361 := (118306 - 9536 - 1)^2.$$

$$13141183225 := (-1 + 31411 + 83225)^2.$$

$$13413413376 := (-1341 + 341 + 3376)^3.$$

$$16620420608 := (-1662 + 04206 + 08)^3.$$

$$17777155561 := (-1 + 77771 + 55561)^2.$$

$$17777955556 := (-1 + 77779 + 55556)^2.$$

$$18454135716 := (184 - 54 + 135716)^2.$$

$$30900024072 := (3090 - 0024 + 072)^3.$$

$$33061785241 := (3306 + 178524 - 1)^2.$$

$$39922038025 := (-3992 + 203802 - 5)^2.$$

$$39993200289 := (-399 + 93 + 200289)^2.$$

$$40071907448 := (-4007 - 19 + 07448)^3.$$

$$42082009321 := (4208 + 200932 - 1)^2.$$

$$72162614161 := (7216 + 261416 - 1)^2.$$

$$77127842961 := (-771 + 278429 + 61)^2.$$

$$78242718961 := (7824 + 271896 - 1)^2.$$

$$91819302289 := (-91 + 819 + 302289)^2.$$

$$98265321729 := (9 - 8265 + 321729)^2.$$

$$99747325584 := (-9 - 9747 + 325584)^2.$$

5 Numbers with Different Powers

This section brings **semi-selfie numbers** in such a way that same number can be written in different powers.

$$\begin{aligned} 1296 &:= (1 + 2 + 9 - 6)^4 \\ &:= (1 + 29 + 6)^2 \end{aligned}$$

$$\begin{aligned} 10000 &:= (10 + 000)^4 \\ &:= (100 + 00)^2 \end{aligned}$$

$$\begin{aligned} 15625 &:= (1 + 5 + 6 - 2 - 5)^6 \\ &:= (1 + 5 - 6 + 25)^3 \end{aligned}$$

$$\begin{aligned} 16384 &:= (1 - 6 + 3 + 8 - 4)^{14} \\ &:= (1 - 6 - 3 + 8 + 4)^7 \end{aligned}$$

$$\begin{aligned} 19683 &:= (1 - 9 + 6 + 8 - 3)^9 \\ &:= (1 + 9 + 6 + 8 + 3)^3 \end{aligned}$$

$$\begin{aligned} 32768 &:= (-3 - 2 - 7 + 6 + 8)^{15} \\ &:= (3 - 2 - 7 + 6 + 8)^5 \\ &:= (3 + 27 - 6 + 8)^3 \end{aligned}$$

$$\begin{aligned} 262144 &:= (2 - 6 - 2 + 14 - 4)^9 \\ &:= (2 - 6 + 2 + 14 - 4)^6 \end{aligned}$$

$$\begin{aligned} 390625 &:= (-3 + 9 + 0 + 6 - 2 - 5)^8 \\ &:= (3 - 9 + 0 + 6 + 25)^4 \end{aligned}$$

$$\begin{aligned} 531441 &:= (-5 - 3 + 14 - 4 + 1)^{12} \\ &:= (53 + 1 - 4 - 41)^6 \\ &:= (5 + 31 - 4 - 4 - 1)^4 \\ &:= (5 + 31 + 4 + 41)^3 \end{aligned}$$

$$\begin{aligned} 1000000 &:= (10 + 00000)^6 \\ &:= (100 + 0000)^3 \\ &:= (1000 + 000)^2 \end{aligned}$$

$$\begin{aligned} 1048576 &:= (10 + 4 - 8 - 5 + 7 - 6)^{20} \\ &:= (10 + 4 + 8 - 5 - 7 - 6)^{10} \\ &:= (10 + 4 + 8 - 5 - 7 + 6)^5 \\ &:= (10 - 4 + 8 + 5 + 7 + 6)^4 \end{aligned}$$

$$\begin{aligned} 1679616 &:= (1 + 6 + 7 - 9 - 6 + 1 + 6)^8 \\ &:= (16 + 7 - 9 + 6 + 16)^4 \\ &:= (1 + 679 + 616)^2 \end{aligned}$$

$$\begin{aligned} 1771561 &:= (1 + 77 - 1 - 5 - 61)^6 \\ &:= (177 - 1 - 56 + 1)^3 \\ &:= (-1 + 771 + 561)^2 \end{aligned}$$

$$\begin{aligned} 1953125 &:= (19 - 5 - 3 + 1 - 2 - 5)^9 \\ &:= (1 + 95 + 3 + 1 + 25)^3 \end{aligned}$$

$$\begin{aligned} 2097152 &:= (20 - 9 - 7 + 1 - 5 + 2)^{21} \\ &:= (20 - 9 - 7 + 1 + 5 - 2)^7 \\ &:= (-20 + 97 - 1 + 52)^3 \end{aligned}$$

$$\begin{aligned} 2985984 &:= (29 + 8 + 59 - 84)^6 \\ &:= (29 + 8 + 5 + 98 + 4)^3 \end{aligned}$$

$$\begin{aligned} 4194304 &:= (41 - 9 + 4 - 30 - 4)^{22} \\ &:= (-4 + 19 - 4 - 3 + 0 - 4)^{11} \end{aligned}$$

$$\begin{aligned} 4782969 &:= (4 - 7 - 8 + 2 + 9 - 6 + 9)^{14} \\ &:= (4 + 7 + 8 + 2 - 9 + 6 - 9)^7 \end{aligned}$$

$$\begin{aligned} 4826809 &:= (-4 + 826 - 809)^6 \\ &:= (4 + 82 - 6 + 80 + 9)^3 \end{aligned}$$

$$\begin{aligned} 9765625 &:= (9 - 76 + 5 + 62 + 5)^{10} \\ &:= (-97 + 65 + 62 - 5)^5 \end{aligned}$$

$$\begin{aligned} 10077696 &:= (1 + 007 + 7 + 6 - 9 - 6)^9 \\ &:= (100 + 7 + 7 + 6 + 96)^3 \end{aligned}$$

$$\begin{aligned} 14348907 &:= (14 + 3 - 4 - 8 - 9 + 07)^{15} \\ &:= (14 + 3 + 4 + 8 - 9 + 07)^5 \\ &:= (143 + 4 + 89 + 07)^3 \end{aligned}$$

$$\begin{aligned} 16777216 &:= (16 - 7 - 7 + 7 - 2 + 1 - 6)^{24} \\ &:= (16 + 7 - 7 - 7 + 2 - 1 - 6)^{12} \\ &:= (16 + 7 + 7 - 7 - 21 + 6)^8 \\ &:= (16 + 7 - 7 + 7 - 2 + 1 - 6)^6 \\ &:= (16 + 7 + 7 + 7 + 21 + 6)^4 \end{aligned}$$

$$33554432 := (33 + 5 + 5 + 4 - 43 - 2)^{25}$$

$$:= (33 - 5 + 5 - 4 + 4 - 3 + 2)^5$$

$$34012224 := (34 - 012 + 2 - 2 - 4)^6$$

$$:= (340 - 12 + 2 - 2 - 4)^3$$

$$43046721 := (43 - 046 + 7 - 2 + 1)^{16}$$

$$:= (4 + 30 + 46 - 72 + 1)^8$$

$$:= (43 + 04 + 6 + 7 + 21)^4$$

$$60466176 := (60 - 46 + 6 - 1 - 7 - 6)^{10}$$

$$:= (6 + 04 + 6 + 6 + 1 + 7 + 6)^5$$

$$67108864 := (67 - 1 + 08 - 8 - 64)^{26}$$

$$:= (67 + 1 + 08 - 8 - 64)^{13}$$

$$85766121 := (8 + 57 - 66 + 1 + 21)^6$$

$$:= (-8 + 576 - 6 - 121)^3$$

$$100000000 := (10 + 0000000)^8$$

$$:= (100 + 000000)^4$$

$$:= (10000 + 0000)^2$$

$$134217728 := (1 - 3 + 42 - 17 + 7 - 28)^{27}$$

$$:= (1 + 3 + 42 - 17 + 7 - 28)^9$$

$$:= (1 + 3 + 421 + 77 + 2 + 8)^3$$

$$214358881 := (2 + 14 - 3 + 5 - 88 + 81)^8$$

$$:= (214 - 3 + 5 - 8 - 88 + 1)^4$$

$$244140625 := (24 + 4 - 14 - 06 + 2 - 5)^{12}$$

$$:= (24 - 4 + 14 - 06 + 2 - 5)^6$$

$$:= (2 - 4 - 4 + 140 - 6 + 2 - 5)^4$$

$$268435456 := (2 - 68 - 4 + 3 + 5 + 4 + 56)^{28}$$

$$:= (2 + 68 - 4 + 3 - 5 - 4 - 56)^{14}$$

$$:= (2 + 68 - 4 - 3 + 5 + 4 - 56)^7$$

$$:= (2 + 68 + 4 - 3 + 5 - 4 + 56)^4$$

$$282475249 := (28 - 24 - 7 - 5 + 24 - 9)^{10}$$

$$:= (28 + 24 + 7 + 5 - 24 + 9)^5$$

$$308915776 := (30 + 8 + 9 - 15 + 7 - 7 - 6)^6$$

$$:= (3 + 089 + 1 + 577 + 6)^3$$

$$387420489 := (3 + 8 + 7 + 4 + 20 - 48 + 9)^{18}$$

$$:= (3 + 8 - 7 + 4 - 20 + 4 + 8 + 9)^9$$

$$:= (3 + 8 - 7 + 4 - 20 + 48 - 9)^6$$

$$429981696 := (4 + 2 + 99 + 8 + 1 - 6 - 96)^8$$

$$:= (4 + 2 + 99 + 8 + 16 + 9 + 6)^4$$

$$481890304 := (4 - 81 + 8 + 90 + 3 + 04)^6$$

$$:= (481 + 8 - 9 + 0304)^3$$

$$594823321 := (5 + 94 - 82 + 33 - 21)^6$$

$$:= (5 - 9 + 4 + 823 - 3 + 21)^3$$

$$815730721 := (81 - 57 + 3 + 07 - 21)^8$$

$$:= (81 + 57 + 3 + 07 + 21)^4$$

$$887503681 := (88 - 7 - 5 + 036 - 81)^6$$

$$:= (8 + 875 + 03 - 6 + 81)^3$$

$$1000000000 := (10 + 00000000)^9$$

$$:= (1000 + 000000)^3$$

$$1073741824 := (10 - 7 + 3 + 7 + 4 - 1 - 8 - 2 - 4)^{30}$$

$$:= (10 + 7 - 3 + 7 - 4 + 1 - 8 - 2 - 4)^{15}$$

$$:= (10 + 7 - 3 + 7 - 4 + 1 - 8 + 2 - 4)^{10}$$

$$:= (10 + 7 + 3 + 7 + 4 - 1 + 8 - 2 - 4)^6$$

$$:= (10 + 7 + 3 - 7 + 41 + 8 - 2 + 4)^5$$

$$1291467969 := (1 + 29 + 14 + 67 - 9 - 69)^6$$

$$:= (1 + 291 + 4 + 6 + 796 - 9)^3$$

$$1475789056 := (147 + 5 + 7 - 89 - 056)^8$$

$$:= (147 + 5 + 78 - 90 + 56)^4$$

$$1544804416 := (1 + 5 + 448 - 04 - 416)^6$$

$$:= (1544 - 804 + 416)^3$$

$$\begin{aligned}
2176782336 &:= (21 + 76 - 78 + 23 - 36)^{12} \\
&:= (21 - 76 + 78 - 23 + 36)^6 \\
&:= (21 + 7 + 67 + 82 + 3 + 36)^4 \\
&:= (2 + 176 + 782 + 336)^3
\end{aligned}$$

$$\begin{aligned}
2562890625 &:= (2 + 56 + 28 - 90 - 6 + 25)^8 \\
&:= (2 + 5 + 62 + 89 + 062 + 5)^4
\end{aligned}$$

$$\begin{aligned}
3486784401 &:= (3 - 48 + 6 + 7 - 8 + 4 + 40 - 1)^{20} \\
&:= (3 + 48 - 6 - 7 + 8 + 4 - 40 - 1)^{10} \\
&:= (3 + 48 - 6 - 7 + 8 - 4 + 40 - 1)^5 \\
&:= (3 + 48 + 67 + 84 + 40 + 1)^4
\end{aligned}$$

$$\begin{aligned}
3518743761 &:= (3 + 51 + 87 - 4 - 37 - 61)^6 \\
&:= (3 + 5 + 1 + 8 + 743 + 761)^3
\end{aligned}$$

$$\begin{aligned}
4294967296 &:= (42 + 9 - 4 - 9 - 6 - 7 - 29 + 6)^{32} \\
&:= (42 - 9 - 4 + 9 - 6 + 7 - 29 - 6)^{16} \\
&:= (42 + 9 - 4 - 9 + 6 + 7 - 29 - 6)^8 \\
&:= (42 - 9 + 49 + 6 + 72 + 96)^4
\end{aligned}$$

$$\begin{aligned}
6103515625 &:= (610 + 3 - 51 - 562 + 5)^{14} \\
&:= (610 - 3 - 515 - 62 - 5)^7
\end{aligned}$$

$$\begin{aligned}
6975757441 &:= (69 + 75 - 75 - 7 - 44 - 1)^8 \\
&:= (6 + 9 + 7 + 5 - 757 + 441)^4
\end{aligned}$$

$$\begin{aligned}
8589934592 &:= (8 + 58 - 99 - 3 + 45 - 9 + 2)^{33} \\
&:= (8 + 58 - 99 + 3 + 45 - 9 + 2)^{11}
\end{aligned}$$

$$\begin{aligned}
10000000000 &:= (10 + 0000 + 0000 + 0)^{10} \\
&:= (100 + 0000 + 0000)^5 \\
&:= (100000 + 0000 + 0)^2.
\end{aligned}$$

$$\begin{aligned}
10460353203 &:= (1 + 04 - 6 + 03 + 5 - 3 + 2 - 03)^{21} \\
&:= (10 + 4 - 60 + 35 - 3 + 20 - 3)^{21} \\
&:= (10 - 46 + 03 + 53 - 20 + 3)^{21} \\
&:= (1 + 04 - 6 + 03 + 5 + 3 + 20 - 3)^7 \\
&:= (10 + 4 - 60 - 3 + 53 + 20 + 3)^7 \\
&:= (10 - 4 + 6 + 035 + 3 - 20 - 3)^7.
\end{aligned}$$

$$\begin{aligned}
10779215329 &:= (1 + 077 - 9 - 2 - 1 - 5 - 3 - 2 - 9)^6 \\
&:= (10 - 7 + 7 + 9 + 2 - 15 + 32 + 9)^6 \\
&:= (107 + 7 - 92 + 1 + 53 - 29)^6 \\
&:= (1 - 077 + 9 - 215 + 329)^6 \\
&:= (-1 + 07 + 79 + 2153 - 29)^3.
\end{aligned}$$

$$\begin{aligned}
12230590464 &:= (1 + 2 - 2 + 30 + 59 - 046 + 4)^6 \\
&:= (12 - 2 + 30 + 5 + 9 + 04 - 6 - 4)^6 \\
&:= (122 - 3 + 05 - 90 + 4 + 6 + 4)^6 \\
&:= (1 - 22 - 305 - 90 + 464)^6 \\
&:= (-12 + 2305 + 9 + 04 - 6 + 4)^3.
\end{aligned}$$

$$\begin{aligned}
13841287201 &:= (1 + 3 - 84 + 1 + 2 + 87 - 2 - 01)^{12} \\
&:= (13 - 84 - 12 + 87 + 2 + 01)^{12} \\
&:= (138 - 41 - 2 - 87 - 2 + 01)^{12} \\
&:= (1 + 3 + 8 + 4 + 1 + 28 + 7 - 2 - 01)^6 \\
&:= (138 - 4 + 1 - 287 + 201)^6 \\
&:= (13 - 84 + 128 - 7 - 2 + 01)^6 \\
&:= (1 + 38 + 412 - 87 - 20 - 1)^4 \\
&:= (13 + 8 + 412 - 87 - 2 - 01)^4 \\
&:= (138 + 4 + 1 - 2 + 8 - 7 + 201)^4
\end{aligned}$$

$$\begin{aligned}
15625000000 &:= (1 + 5 - 6 + 2500 + 0000)^3 \\
&:= (1 + 56 - 2 - 5 + 0000 + 00)^6 \\
&:= (1 - 5 + 6 - 2 + 50 + 00000)^6.
\end{aligned}$$

$$\begin{aligned}
16983563041 &:= (1 + 6 + 98 + 3 - 56 - 30 - 4 + 1)^8 \\
&:= (16 + 9 + 8 + 3 + 5 - 63 + 041)^8 \\
&:= (16 + 98 - 35 - 63 + 04 - 1)^8 \\
&:= (169 - 83 - 56 + 30 - 41)^8 \\
&:= (1 + 69 - 8 - 3 + 5 - 6 + 304 - 1)^4 \\
&:= (16 + 983 - 5 - 630 - 4 + 1)^4 \\
&:= (16 - 9 - 8 + 356 + 3 + 04 - 1)^4.
\end{aligned}$$

$$\begin{aligned}
17179869184 &:= (1 + 7 - 179 - 8 + 6 + 91 + 84)^{34} \\
&:= (17 - 1 + 79 - 86 - 91 + 84)^{34} \\
&:= (171 - 79 + 8 - 6 - 9 + 1 - 84)^{34} \\
&:= (17 - 17 - 98 + 6 + 9 + 1 + 84)^{34} \\
&:= (17 + 17 - 9 - 8 - 6 - 91 + 84)^{17} \\
&:= (-171 - 7 - 9 - 8 + 6 + 9 + 184)^{17} \\
&:= (171 - 79 - 8 - 6 + 9 + 1 - 84)^{17}.
\end{aligned}$$

$$\begin{aligned}
25937424601 &:= (2 + 59 - 37 - 4 + 2 - 4 - 6 - 01)^{10} \\
&:= (25 + 9 + 3 + 7 + 4 + 24 - 60 - 1)^{10} \\
&:= (2 - 593 + 7 - 4 + 2 - 4 + 601)^{10} \\
&:= (2 + 593 - 7 - 4 - 2 - 460 - 1)^5 \\
&:= (25 + 9 - 374 + 2 + 460 - 1)^5 \\
&:= (259 + 3 - 74 - 2 - 4 - 60 - 1)^5 \\
&:= (2593 - 7 - 4 - 2460 - 1)^5.
\end{aligned}$$

$$\begin{aligned}
30517578125 &:= (3 + 05 + 1 + 7 + 5 - 7 + 8 - 12 - 5)^{15} \\
&:= (30 + 5 + 17 + 5 - 78 + 1 + 25)^{15} \\
&:= (3 - 051 - 7 - 57 - 8 + 125)^{15} \\
&:= (30 + 5 + 175 - 78 - 12 + 5)^5 \\
&:= (3 - 05 - 1 - 7 - 5 + 7 + 8 + 125)^5 \\
&:= (305 - 17 - 57 - 81 - 25)^5 \\
&:= (3051 + 7 + 57 + 8 - 1 - 2 + 5)^3.
\end{aligned}$$

$$\begin{aligned}
30840979456 &:= (3 + 084 + 09 - 79 + 45 - 6)^6 \\
&:= (30 + 840 - 9 - 794 - 5 - 6)^6 \\
&:= (308 - 409 + 7 + 94 + 56)^6 \\
&:= (-30 + 8 + 4097 - 945 + 6)^3.
\end{aligned}$$

$$\begin{aligned}
31381059609 &:= (3 - 138 + 10 + 59 + 60 + 9)^{12} \\
&:= (31 - 38 - 1 + 05 + 9 + 6 - 09)^{12} \\
&:= (3 + 1 - 38 - 1 + 059 - 6 - 09)^{11} \\
&:= (31 + 3 - 81 + 059 + 6 - 09)^{11}.
\end{aligned}$$

$$\begin{aligned}
34359738368 &:= (3 + 43 + 5 + 9 - 73 + 83 - 68)^{35} \\
&:= (3 - 4 + 359 + 7 - 3 + 8 - 368)^{35} \\
&:= (34 + 35 - 9 - 73 + 83 - 68)^{35} \\
&:= (34 - 35 + 97 + 3 - 83 - 6 - 8)^{35} \\
&:= (34 + 35 - 97 + 3 - 8 - 3 + 68)^7 \\
&:= (34 - 3 + 59 - 73 + 83 - 68)^7 \\
&:= (343 + 59 - 738 + 368)^7 \\
&:= (3 - 4 - 359 + 7 + 383 - 6 + 8)^7 \\
&:= (3 + 4 - 3 - 5 + 973 - 836 - 8)^5 \\
&:= (3 + 43 - 59 - 7 - 3 + 83 + 68)^5 \\
&:= (-343 - 5 + 97 + 3 + 8 + 368)^5 \\
&:= (34 - 35 + 973 - 836 - 8)^5.
\end{aligned}$$

$$\begin{aligned}
37822859361 &:= (3 + 7 + 8 + 22 + 8 + 5 - 93 + 61)^8 \\
&:= (37 + 8 - 2 + 28 + 5 + 9 - 3 - 61)^8 \\
&:= (378 + 2 - 2 + 8 + 5 - 9 - 361)^8 \\
&:= (3 + 78 - 228 + 593 - 6 + 1)^4 \\
&:= (378 + 2 + 2 + 85 + 9 - 36 + 1)^4 \\
&:= (3 - 782 + 285 + 936 - 1)^4.
\end{aligned}$$

$$\begin{aligned}
38068692544 &:= (3 + 8 - 06 + 8 - 6 - 9 + 2 + 54 + 4)^6 \\
&:= (3 - 80 + 686 - 9 + 2 - 544)^6 \\
&:= (38 - 068 + 69 - 25 + 44)^6 \\
&:= (3 + 806 + 8 - 6 + 9 + 2544)^3.
\end{aligned}$$

$$\begin{aligned}
38443359375 &:= (3 + 84 - 433 - 5 - 9 + 375)^9 \\
&:= (38 + 4 + 4 + 335 + 9 - 375)^9 \\
&:= (384 - 433 - 5 - 9 + 3 + 75)^9 \\
&:= (3 + 8 + 4 - 4 + 3359 + 3 + 7 - 5)^3
\end{aligned}$$

$$\begin{aligned}
42180533641 &:= (4 - 2 + 1 + 80 + 53 - 36 - 41)^6 \\
&:= (42 + 1 - 8 - 053 + 36 + 41)^6 \\
&:= (42 + 1 + 80 - 5 + 3364 - 1)^3
\end{aligned}$$

$$\begin{aligned}
51520374361 &:= (51 + 5 - 20 - 37 + 4 - 3 + 61)^6 \\
&:= (5 - 15 + 20 + 37 + 4 + 3 + 6 + 1)^6 \\
&:= (515 + 20 - 37 - 436 - 1)^6 \\
&:= (-5 + 1 - 5 - 20 + 3743 + 6 + 1)^3.
\end{aligned}$$

$$\begin{aligned}
54875873536 &:= (54 + 87 + 5 + 8 - 73 - 53 - 6)^8 \\
&:= (54 + 87 - 5 + 8 - 7 + 353 - 6)^4 \\
&:= (5 - 4 + 8 - 758 + 735 + 36)^8 \\
&:= (548 + 75 + 8 - 73 - 536)^8 \\
&:= (5 + 4 + 8 + 7 + 5 - 8 - 73 + 536)^4 \\
&:= (548 + 7 + 5 - 87 + 3 + 5 - 3 + 6)^4.
\end{aligned}$$

$$\begin{aligned}
61917364224 &:= (6 + 19 - 173 - 64 + 224)^{10} \\
&:= (619 + 1 + 7 + 3 - 642 + 24)^{10} \\
&:= (61 - 91 + 7 + 3 + 6 + 4 - 2 + 24)^{10} \\
&:= (61 + 9 + 17 - 3 - 6 + 42 + 24)^5 \\
&:= (619 + 173 - 642 - 2 - 4)^5 \\
&:= (61 - 9 - 1 + 73 - 6 + 4 - 2 + 24)^5 \\
&:= (6 - 1 - 91 - 7 + 3 + 6 + 4 + 224)^5.
\end{aligned}$$

$$\begin{aligned}
68719476736 &:= (6 + 87 + 1 + 9 + 4 - 76 + 7 - 36)^{36} \\
&:= (687 + 1 + 9 + 47 - 6 - 736)^{36} \\
&:= (68 - 71 - 9 - 47 - 6 + 73 - 6)^{36} \\
&:= (6 + 87 - 194 + 76 - 7 + 36)^{18} \\
&:= (68 + 7 + 1 + 9 - 4 - 7 - 67 + 3 - 6)^{18} \\
&:= (687 - 19 - 4 + 76 - 736)^{18}
\end{aligned}$$

$$\begin{aligned}
68719476736 &:= (6 + 8 - 7 - 19 + 4 - 7 - 6 - 7 + 36)^{12} \\
&:= (6 + 87 - 1 - 9 - 4 - 7 - 67 - 3 + 6)^{12} \\
&:= (68 - 71 - 94 + 76 - 7 + 36)^{12} \\
&:= (6 + 87 + 1 - 9 - 47 - 6 - 7 - 3 - 6)^9 \\
&:= (68 + 7 + 19 - 47 - 67 + 36)^9 \\
&:= (687 + 19 - 4 - 7 - 673 - 6)^9
\end{aligned}$$

$$\begin{aligned}
78310985281 &:= (7 + 8 + 31 + 09 - 8 + 5 - 28 - 1)^8 \\
&:= (78 - 31 - 098 - 5 - 2 + 81)^8 \\
&:= (7 + 8 + 3 + 1 - 09 - 8 + 528 - 1)^4 \\
&:= (7 + 83 + 10 - 98 + 528 - 1)^4 \\
&:= (78 + 310 + 98 + 52 - 8 - 1)^4
\end{aligned}$$

$$\begin{aligned}
68719476736 &:= (6 + 87 + 19 - 4 - 7 + 6 - 7 - 36)^6 \\
&:= (68 + 7 + 1 - 9 - 4 - 7 + 6 - 7 + 3 + 6)^6 \\
&:= (68 + 71 + 9 - 47 + 6 - 7 - 36)^6 \\
&:= (6 + 87 + 1 + 9 + 476 - 73 + 6)^4 \\
&:= (68 + 7 - 1 - 9 + 476 + 7 - 36)^4 \\
&:= (687 - 1 - 94 - 7 + 6 - 73 - 6)^4 \\
&:= (-687 + 19 + 4767 + 3 - 6)^3.
\end{aligned}$$

$$\begin{aligned}
78364164096 &:= (7 - 83 - 6 + 4 - 16 + 4 + 096)^{14} \\
&:= (78 - 36 - 41 + 6 - 4 + 09 - 6)^{14} \\
&:= (7 - 8 + 36 + 416 - 409 - 6)^7 \\
&:= (78 - 3 + 6 - 4 - 16 - 40 + 9 + 6)^7 \\
&:= (783 - 641 - 6 - 4 - 096)^7.
\end{aligned}$$

6 Equalities: Positive and Positive-Negative Signs

This section brings numbers in such a way that one side we have numbers with positive sign and another side with positive and negative signs. In some cases, there are more than one possibility. The results are up to 11 digits.

6.1 Up to 10 Digits Equalities

$$\begin{aligned}
512 &:= (5 + 1 + 2)^3 &= (5 - 1 - 2)^9 \\
1296 &:= (1 + 29 + 6)^2 &= (1 + 2 + 9 - 6)^4 \\
19683 &:= (1 + 9 + 6 + 8 + 3)^3 &= (-1 + 9 + 6 - 8 - 3)^9 \\
234256 &:= (2 + 3 + 4 + 2 + 5 + 6)^4 &= (-234 + 256)^4 \\
357911 &:= (3 + 57 + 9 + 1 + 1)^3 &= (-3 - 5 + 79 + 1 - 1)^3 \\
373248 &:= (37 + 3 + 24 + 8)^3 &= (-3 + 73 - 2 - 4 + 8)^3 \\
390625 &:= (3 + 9 + 06 + 2 + 5)^4 &= (-3 + 9 - 06 + 25)^4 \\
531441 &:= (5 + 31 + 4 + 41)^3 \\
&:= (5 + 3 + 14 + 4 + 1)^4 &= (5 + 31 - 4 - 4 - 1)^4 \\
& &= (53 - 1 - 44 + 1)^6 \\
& &= (-5 - 3 + 14 - 4 + 1)^{12} \\
551368 &:= (55 + 13 + 6 + 8)^3 &= (55 - 1 + 36 - 8)^3 \\
614656 &:= (6 + 1 + 4 + 6 + 5 + 6)^4 &= (-6 - 1 + 46 - 5 - 6)^4 \\
970299 &:= (9 + 70 + 2 + 9 + 9)^3 &= (9 + 70 + 29 - 9)^3
\end{aligned}$$

$$\begin{aligned}
1259712 &:= (1 + 25 + 9 + 71 + 2)^3 &= (125 - 9 - 7 + 1 - 2)^3 \\
1336336 &:= (13 + 3 + 6 + 3 + 3 + 6)^4 &= (133 - 63 - 36)^4 \\
1679616 &:= (1 + 6 + 7 + 9 + 6 + 1 + 6)^4 &= (1 + 6 + 7 - 9 + 6 + 1 - 6)^8 \\
1679616 &:= (1 + 679 + 616)^2 &= (16 + 7 - 9 + 6 + 16)^4 \\
1874161 &:= (18 + 7 + 4 + 1 + 6 + 1)^4 &= (-18 + 7 + 41 + 6 + 1)^4 \\
1953125 &:= (1 + 95 + 3 + 1 + 25)^3 &= (1 - 9 + 5 + 3 + 125)^3 \\
2515456 &:= (25 + 1 + 54 + 56)^3 &= (-2 - 5 + 154 - 5 - 6)^3
\end{aligned}$$

$$\begin{aligned}
2985984 &:= (29 + 8 + 5 + 98 + 4)^3 &= (29 + 8 + 59 - 84)^6 \\
3652264 &:= (36 + 52 + 2 + 64)^3 &= (-3 - 65 + 226 - 4)^3 \\
5929741 &:= (5 + 92 + 9 + 74 + 1)^3 &= (-5 + 92 + 97 - 4 + 1)^3 \\
6751269 &:= (67 + 51 + 2 + 69)^3 &= (67 + 5 + 126 - 9)^3 \\
7311616 &:= (7 + 31 + 1 + 6 + 1 + 6)^4 &= (73 - 11 + 6 - 16)^4 \\
8503056 &:= (8 + 5 + 030 + 5 + 6)^4 &= (85 - 030 + 5 - 6)^4 \\
9150625 &:= (9 + 15 + 06 + 25)^4 &= (9 - 1 + 50 - 6 - 2 + 5)^4
\end{aligned}$$

$$\begin{aligned}
11316496 &:= (1 + 1 + 31 + 6 + 4 + 9 + 6)^4 &= (11 - 3 + 1 - 6 + 49 + 6)^4 \\
13845841 &:= (1 + 38 + 4 + 5 + 8 + 4 + 1)^4 &= (13 + 8 - 45 + 84 + 1)^4 \\
14172488 &:= (14 + 172 + 48 + 8)^3 &= (-14 + 172 - 4 + 88)^3 \\
14348907 &:= (143 + 4 + 89 + 07)^3 &= (14 + 3 + 4 + 8 - 9 + 07)^5 \\
& &= (14 + 3 - 4 - 8 - 9 + 07)^{15} \\
14526784 &:= (145 + 2 + 6 + 7 + 84)^3 &= (-14 - 526 + 784)^3 \\
15752961 &:= (15 + 7 + 5 + 29 + 6 + 1)^4 &= (157 + 5 - 2 - 96 - 1)^4 \\
16194277 &:= (161 + 9 + 4 + 2 + 77)^3 &= (161 + 94 - 2 + 7 - 7)^3
\end{aligned}$$

$$\begin{aligned}
16777216 &:= (16 + 7 + 7 + 7 + 21 + 6)^4 &= (16 - 7 - 7 + 7 + 2 - 1 + 6)^6 \\
& &= (16 - 7 + 7 + 7 - 21 + 6)^8 \\
& &= (16 + 7 - 7 - 7 + 2 - 1 - 6)^{12} \\
& &= (16 - 7 - 7 + 7 - 2 + 1 - 6)^{24}
\end{aligned}$$

$$\begin{aligned}
17210368 &:= (1 + 7 + 2 + 1 + 03 + 6 + 8)^5 &= (17 + 2 + 10 - 3 - 6 + 8)^5 \\
17779581 &:= (1 + 77 + 7 + 95 + 81)^3 &= (177 + 7 - 9 + 5 + 81)^3 \\
17984728 &:= (179 + 8 + 47 + 28)^3 &= (179 + 84 - 7 - 2 + 8)^3 \\
20151121 &:= (20 + 15 + 11 + 21)^4 &= (-2 - 01 - 51 + 121)^4
\end{aligned}$$

$$\begin{aligned}
21717639 &:= (217 + 17 + 6 + 39)^3 &= (217 + 1 + 7 + 63 - 9)^3 \\
23639903 &:= (236 + 39 + 9 + 03)^3 &= (23 - 639 + 903)^3 \\
26873856 &:= (2 + 6 + 8 + 7 + 38 + 5 + 6)^4 &= (26 - 8 - 7 - 3 + 8 + 56)^4 \\
28372625 &:= (283 + 7 + 2 + 6 + 2 + 5)^3 &= (283 - 7 + 26 - 2 + 5)^3 \\
28398241 &:= (28 + 3 + 9 + 8 + 24 + 1)^4 &= (28 + 3 - 9 + 8 + 2 + 41)^4 \\
33362176 &:= (33 + 3 + 6 + 21 + 7 + 6)^4 &= (33 - 36 + 2 + 1 + 76)^4
\end{aligned}$$

$$\begin{aligned}
34012224 &:= (3 + 4 + 01 + 2 + 2 + 2 + 4)^6 &= (340 - 12 - 2 + 2 - 4)^3 \\
34328125 &:= (34 + 3 + 281 + 2 + 5)^3 &= (343 - 2 + 8 + 1 - 25)^3 \\
43046721 &:= (43 + 04 + 6 + 7 + 21)^4 &= (43 - 046 + 7 - 2 + 1)^{16} \\
45212176 &:= (45 + 21 + 2 + 1 + 7 + 6)^4 &= (-4 - 5 + 2 + 12 + 1 + 76)^4 \\
46268279 &:= (46 + 26 + 8 + 279)^3 &= (4 + 626 + 8 - 279)^3
\end{aligned}$$

$$\begin{aligned}
52521875 &:= (5 + 2 + 5 + 2 + 1 + 8 + 7 + 5)^5 &= (5 + 25 + 2 - 1 - 8 + 7 + 5)^5 \\
60466176 &:= (6 + 04 + 6 + 6 + 1 + 7 + 6)^5 &= (60 - 46 - 6 - 1 - 7 + 6)^{10} \\
63297936 &:= (6 + 3 + 2 + 9 + 7936)^2 &= (-6 - 3 + 29 + 7936)^2 \\
68574961 &:= (6 + 8 + 57 + 4 + 9 + 6 + 1)^4 &= (6 - 8 - 5 + 7 - 4 + 96 - 1)^4
\end{aligned}$$

$$\begin{aligned}
108531333 &:= (108 + 5 + 31 + 333)^3 &= (-10 - 8 + 531 - 33 - 3)^3 \\
112550881 &:= (11 + 25 + 50 + 8 + 8 + 1)^4 &= (112 - 5 - 5 - 08 + 8 + 1)^4 \\
126247696 &:= (12 + 62 + 4 + 7 + 6 + 9 + 6)^4 &= (126 - 24 + 7 - 6 + 9 - 6)^4 \\
134217728 &:= (1 + 3 + 421 + 7 + 72 + 8)^3 &= (134 - 21 - 77 - 28)^9 \\
136048896 &:= (13 + 60 + 4 + 8 + 8 + 9 + 6)^4 &= (13 + 60 - 48 + 89 - 6)^4 \\
141158161 &:= (14 + 1 + 1 + 5 + 81 + 6 + 1)^4 &= (14 + 115 - 81 + 61)^4
\end{aligned}$$

$$\begin{aligned}
157351936 &:= (15 + 7 + 35 + 19 + 36)^4 &= (157 - 35 - 19 + 3 + 6)^4 \\
158340421 &:= (158 + 340 + 42 + 1)^3 &= (1 + 583 - 40 - 4 + 2 - 1)^3 \\
164566592 &:= (16 + 456 + 65 + 9 + 2)^3 &= (-16 - 4 - 5 + 665 - 92)^3 \\
164916224 &:= (16 + 4 + 9 + 1 + 6 + 2 + 2 + 4)^5 &= (16 + 49 - 1 + 6 - 2 - 24)^5 \\
165469149 &:= (1 + 65 + 469 + 1 + 4 + 9)^3 &= (16 + 546 - 9 + 1 + 4 - 9)^3 \\
174676879 &:= (1 + 7 + 467 + 68 + 7 + 9)^3 &= (1 + 7 + 467 + 6 + 87 - 9)^3 \\
174900625 &:= (1 + 74 + 9 + 006 + 25)^4 &= (174 - 90 + 06 + 25)^4 \\
184528125 &:= (18 + 4 + 5 + 2 + 8 + 1 + 2 + 5)^5 &= (18 - 45 - 2 + 81 - 2 - 5)^5
\end{aligned}$$

$$\begin{aligned}
187388721 &:= (18 + 73 + 8 + 8 + 7 + 2 + 1)^4 &= (187 + 3 + 8 - 8 - 72 - 1)^4 \\
193877776 &:= (1 + 9 + 3 + 8 + 77 + 7 + 7 + 6)^4 &= (193 + 8 - 7 - 77 + 7 - 6)^4 \\
205962976 &:= (2 + 05 + 9 + 6 + 2 + 9 + 7 + 6)^5 &= (20 - 5 - 9 + 62 - 9 - 7 - 6)^5 \\
214358881 &:= (2 + 1 + 43 + 58 + 8 + 8 + 1)^4 &= (214 - 3 + 5 - 8 - 88 + 1)^4 \\
219256227 &:= (21 + 9 + 2 + 562 + 2 + 7)^3 &= (21 - 9 + 2 + 562 + 27)^3 \\
236421376 &:= (23 + 6 + 4 + 2 + 13 + 76)^4 &= (2 - 3 - 6 + 42 + 13 + 76)^4 \\
251239591 &:= (25 + 1 + 2 + 3 + 9 + 591)^3 &= (25 + 1 + 23 - 9 + 591)^3 \\
260144641 &:= (26 + 014 + 46 + 41)^4 &= (260 - 144 + 6 + 4 + 1)^4
\end{aligned}$$

$$\begin{aligned}
273359449 &:= (273 + 359 + 4 + 4 + 9)^3 &= (27 + 33 + 594 + 4 - 9)^3 \\
307546875 &:= (30 + 7 + 546 + 87 + 5)^3 &= (30 + 7 - 54 + 687 + 5)^3 \\
308915776 &:= (3 + 089 + 1 + 577 + 6)^3 &= (-308 + 915 - 7 + 76)^3 \\
312900721 &:= (31 + 29 + 0072 + 1)^4 &= (312 - 900 + 721)^4 \\
332150625 &:= (33 + 21 + 50 + 6 + 25)^4 &= (3 - 3 - 2 + 150 - 6 - 2 - 5)^4 \\
385828352 &:= (385 + 8 + 283 + 52)^3 &= (3 + 858 + 2 - 83 - 52)^3 \\
406586896 &:= (40 + 6 + 5 + 8 + 68 + 9 + 6)^4 &= (40 + 6 + 5 + 86 + 8 - 9 + 6)^4 \\
416832723 &:= (4 + 1 + 6 + 8 + 3 + 2 + 723)^3 &= (-4 + 1 + 683 - 2 + 72 - 3)^3
\end{aligned}$$

$$\begin{aligned}
418195493 &:= (4 + 18 + 1 + 9 + 5 + 4 + 9 + 3)^5 &= (4 + 1 + 81 + 9 - 54 + 9 + 3)^5 \\
429981696 &:= (4 + 2 + 9 + 98 + 16 + 9 + 6)^4 &= (4 + 2 + 9 + 98 + 1 - 6 - 96)^8 \\
442050625 &:= (44 + 20 + 50 + 6 + 25)^4 &= (-4 + 42 + 050 + 62 - 5)^4 \\
447697125 &:= (44 + 7 + 697 + 12 + 5)^3 &= (44 + 7 + 6 - 9 + 712 + 5)^3 \\
459165024 &:= (4 + 5 + 9 + 1 + 6 + 5 + 024)^5 &= (45 - 9 + 1 + 6 + 5 + 02 + 4)^5 \\
479785216 &:= (47 + 9 + 78 + 5 + 2 + 1 + 6)^4 &= (47 + 97 + 8 + 5 - 2 - 1 - 6)^4 \\
480048687 &:= (48 + 0048 + 687)^3 &= (4 + 800 - 4 - 8 + 6 - 8 - 7)^3 \\
494913671 &:= (4 + 94 + 9 + 13 + 671)^3 &= (-49 + 4 + 913 - 6 - 71)^3
\end{aligned}$$

$$\begin{aligned}
498677257 &:= (49 + 8 + 677 + 2 + 57)^3 &= (-49 + 867 + 7 - 25 - 7)^3 \\
503284375 &:= (5 + 03 + 28 + 4 + 3 + 7 + 5)^5 &= (50 - 3 - 28 + 4 + 37 - 5)^5 \\
547981281 &:= (5 + 47 + 9 + 81 + 2 + 8 + 1)^4 &= (5 + 47 + 98 + 12 - 8 - 1)^4 \\
549353259 &:= (549 + 3 + 5 + 3 + 259)^3 &= (5 + 493 + 5 + 325 - 9)^3 \\
551368000 &:= (5 + 5 + 1 + 3 + 6 + 800 + 0)^3 &= (55 + 1 - 36 + 800 + 0)^3 \\
562448656 &:= (56 + 24 + 4 + 8 + 6 + 56)^4 &= (5 + 624 - 486 + 5 + 6)^4 \\
569722789 &:= (5 + 6 + 9 + 722 + 78 + 9)^3 &= (569 - 7 - 2 + 278 - 9)^3 \\
584277056 &:= (5 + 8 + 42 + 770 + 5 + 6)^3 &= (5 + 842 - 7 + 7 - 05 - 6)^3
\end{aligned}$$

$$\begin{aligned}
586376253 &:= (58 + 6 + 3 + 762 + 5 + 3)^3 &= (586 - 3 + 7 - 6 + 253)^3 \\
588480472 &:= (5 + 8 + 8 + 4 + 804 + 7 + 2)^3 &= (58 + 848 + 04 - 72)^3 \\
605495736 &:= (6 + 05 + 4 + 95 + 736)^3 &= (605 - 495 + 736)^3 \\
607573201 &:= (60 + 7 + 57 + 32 + 01)^4 &= (-60 + 7 + 5 + 7 - 3 + 201)^4 \\
612220032 &:= (6 + 1 + 2 + 2 + 2 + 003 + 2)^7 &= (6 + 1 - 2 - 2 + 20 - 03 - 2)^7 \\
663054848 &:= (6 + 6 + 3 + 05 + 4 + 848)^3 &= (6 - 6 - 30 + 54 + 848)^3 \\
683797841 &:= (683 + 79 + 78 + 41)^3 &= (68 + 37 - 9 + 784 + 1)^3 \\
688465387 &:= (6 + 8 + 846 + 5 + 3 + 8 + 7)^3 &= (6 + 884 + 6 + 5 - 3 - 8 - 7)^3
\end{aligned}$$

$$\begin{aligned}
688747536 &:= (6 + 88 + 7 + 47 + 5 + 3 + 6)^4 &= (688 + 7 - 4 + 7 - 536)^4 \\
705911761 &:= (70 + 5 + 9 + 11 + 7 + 61)^4 &= (70 + 5 + 91 - 1 - 7 + 6 - 1)^4 \\
709732288 &:= (709 + 73 + 22 + 88)^3 &= (7 + 0973 - 2 + 2 - 88)^3 \\
726572699 &:= (7 + 2 + 65 + 726 + 99)^3 &= (7 + 265 - 72 + 699)^3 \\
753571000 &:= (753 + 57 + 100 + 0)^3 &= (-75 - 3 - 5 - 7 + 1000)^3 \\
759333136 &:= (7 + 59 + 33 + 31 + 36)^4 &= (75 - 9 + 33 + 31 + 36)^4 \\
799178752 &:= (79 + 9 + 1 + 787 + 52)^3 &= (7 - 9 + 91 + 787 + 52)^3 \\
815730721 &:= (81 + 57 + 3 + 07 + 21)^4 &= (81 - 57 + 3 + 07 - 21)^8
\end{aligned}$$

$$\begin{aligned}
822656953 &:= (822 + 6 + 5 + 6 + 95 + 3)^3 &= (822 + 65 + 6 - 9 + 53)^3 \\
843908625 &:= (843 + 9 + 086 + 2 + 5)^3 &= (843 - 9 + 086 + 25)^3 \\
846590536 &:= (846 + 59 + 05 + 36)^3 &= (8 - 4 + 6 - 5 + 905 + 36)^3 \\
875213056 &:= (87 + 5 + 21 + 3 + 056)^4 &= (8 - 7 + 52 + 130 - 5 - 6)^4 \\
895841344 &:= (895 + 8 + 4 + 13 + 44)^3 &= (8 + 958 - 4 - 1 + 3 - 4 + 4)^3 \\
915498611 &:= (91 + 5 + 4 + 9 + 861 + 1)^3 &= (-9 + 1 - 5 - 4 + 986 + 1 + 1)^3 \\
916132832 &:= (9 + 16 + 1 + 3 + 28 + 3 + 2)^5 &= (91 + 61 - 3 - 2 - 83 - 2)^5 \\
921167317 &:= (921 + 1 + 6 + 7 + 31 + 7)^3 &= (921 - 1 + 67 + 3 - 17)^3
\end{aligned}$$

$$\begin{aligned}
937890625 &:= (9 + 37 + 8 + 90 + 6 + 25)^4 &= (93 + 78 - 9 + 06 + 2 + 5)^4 \\
946966168 &:= (946 + 9 + 6 + 6 + 1 + 6 + 8)^3 &= (9 + 4 + 6 + 966 - 1 + 6 - 8)^3 \\
970299000 &:= (970 + 2 + 9 + 9 + 000)^3 &= (970 + 29 - 9 + 000)^3 \\
973242271 &:= (973 + 2 + 4 + 2 + 2 + 7 + 1)^3 &= (973 + 2 + 42 - 27 + 1)^3 \\
992436543 &:= (9 + 9 + 24 + 3 + 6 + 5 + 4 + 3)^5 &:= (99 - 24 + 36 - 5 - 43)^5
\end{aligned}$$

$$\begin{aligned}
1003875856 &:= (1 + 0038 + 75 + 8 + 56)^4 &= (100 + 38 - 7 + 58 - 5 - 6)^4 \\
1027243729 &:= (10 + 27 + 243 + 729)^3 &= (1027 + 2 + 43 - 72 + 9)^3 \\
1051871913 &:= (10 + 5 + 18 + 71 + 913)^3 &= (105 - 1 - 8 + 7 + 1 + 913)^3 \\
1073283121 &:= (107 + 32 + 8 + 31 + 2 + 1)^4 &= (107 - 3 - 2 + 83 - 1 - 2 - 1)^4
\end{aligned}$$

$$\begin{aligned}
1073741824 &:= (10 + 7 + 3 + 7 + 4 + 1 + 8 + 24)^5 = (10 + 7 + 37 + 4 - 18 + 24)^5 \\
&= (10 + 7 + 3 - 7 + 4 + 1 + 8 + 2 + 4)^6 \\
&= (10 + 7 + 37 - 4 - 18 - 24)^{10} \\
&= (10 - 7 - 3 - 7 - 4 - 1 - 8 + 24)^{15} \\
&= (10 + 7 + 3 - 7 + 4 - 1 - 8 - 2 - 4)^{30}
\end{aligned}$$

$$1076890625 := (10 + 76 + 8 + 906 + 25)^3 = (1076 + 8 - 90 + 6 + 25)^3$$

$$1108717875 := (1 + 10 + 871 + 78 + 75)^3 = (1108 - 7 + 17 - 8 - 75)^3$$

$$1137893184 := (11 + 3 + 7 + 8 + 931 + 84)^3 = (1 - 1 + 37 - 8 + 931 + 84)^3$$

$$1141166125 := (11 + 411 + 6 + 612 + 5)^3 = (-114 + 1166 - 12 + 5)^3$$

$$1146228736 := (11 + 46 + 2 + 2 + 87 + 36)^4 = (1 + 146 + 2 - 2 + 8 - 7 + 36)^4$$

$$1194389981 := (1 + 1 + 9 + 43 + 8 + 998 + 1)^3 = (1 - 1 + 94 + 3 - 8 - 9 + 981)^3$$

$$1222830961 := (12 + 22 + 83 + 09 + 61)^4 = (122 + 2 + 8 + 3 - 09 + 61)^4$$

$$1275989841 := (12 + 7 + 59 + 8 + 98 + 4 + 1)^4 = (12 + 7 + 5 - 9 + 89 + 84 + 1)^4$$

$$1291467969 := (12 + 91 + 4 + 6 + 7 + 969)^3 = (12 + 91 + 4 + 6 + 7 - 96 + 9)^6$$

$$1389928896 := (13 + 8 + 992 + 88 + 9 + 6)^3 = (138 - 9 + 92 + 889 + 6)^3$$

$$1475789056 := (14 + 75 + 7 + 89 + 05 + 6)^4 = (147 + 5 + 78 - 90 + 56)^4$$

$$1497193984 := (14 + 9 + 719 + 398 + 4)^3 = (1 + 4 - 9 + 71 + 93 + 984)^3$$

$$1536953616 := (153 + 6 + 9 + 5 + 3 + 6 + 16)^4 = (153 + 6 - 9 + 5 + 36 + 1 + 6)^4$$

$$1568239201 := (156 + 8 + 23 + 9 + 2 + 01)^4 = (156 + 8 + 23 - 9 + 20 + 1)^4$$

$$1664966416 := (166 + 4 + 9 + 6 + 6 + 4 + 1 + 6)^4 = (166 + 4 + 9 - 6 - 6 + 41 - 6)^4$$

$$1804229351 := (1 + 8 + 042 + 2 + 9 + 3 + 5 + 1)^5 = (18 - 042 - 2 + 93 + 5 - 1)^5$$

$$1836036801 := (183 + 6 + 03 + 6 + 8 + 01)^4 = (183 - 60 - 3 + 6 + 80 + 1)^4$$

$$1871773696 := (18 + 71 + 7 + 7 + 3 + 6 + 96)^4 = (18 + 7 + 177 - 3 - 6 + 9 + 6)^4$$

$$1934917632 := (1 + 9 + 34 + 9 + 1 + 7 + 6 + 3 + 2)^5 = (1 + 9 + 3 + 49 + 17 - 6 - 3 + 2)^5$$

$$1982119441 := (19 + 82 + 11 + 94 + 4 + 1)^4 = (19 + 82 + 119 - 4 - 4 - 1)^4$$

$$2073071593 := (2 + 07 + 30 + 7 + 15 + 9 + 3)^5 = (20 + 7 + 30 + 7 + 15 - 9 + 3)^5$$

$$2097273616 := (20 + 97 + 27 + 3 + 61 + 6)^4 = (209 + 7 + 27 - 36 + 1 + 6)^4$$

$$2176782336 := (2 + 1 + 76 + 78 + 23 + 36)^4 = (2 + 1 + 7 - 6 + 7 + 8 + 23 - 36)^{12}$$

$$2217373921 := (22 + 173 + 7 + 3 + 9 + 2 + 1)^4 = (22 + 173 + 7 + 3 - 9 + 21)^4$$

$$2472973441 := (24 + 72 + 9 + 73 + 44 + 1)^4 = (247 + 2 + 9 + 7 + 3 - 44 - 1)^4$$

$$2562890625 := (2 + 56 + 2 + 8 + 90 + 62 + 5)^4 = (25 - 6 - 2 - 8 + 9 - 06 - 2 + 5)^8$$

$$2608757776 := (2 + 60 + 87 + 57 + 7 + 7 + 6)^4 = (260 + 8 + 7 - 57 + 7 + 7 - 6)^4$$

$$2750058481 := (2 + 7 + 50 + 05 + 84 + 81)^4 = (275 - 005 + 8 - 48 - 1)^4$$

$$2805291225 := (28 + 052912 + 25)^2 = (-2 + 80 + 52912 - 25)^2$$

$$2897022976 := (28 + 97 + 022 + 9 + 76)^4 = (2 + 89 + 70 + 2 + 2 - 9 + 76)^4$$

$$2998219536 := (29 + 98 + 2 + 1 + 95 + 3 + 6)^4 = (29 + 98 + 21 + 95 - 3 - 6)^4$$

$$3208542736 := (3 + 208 + 5 + 4 + 2 + 7 + 3 + 6)^4 = (3 + 208 + 5 + 4 + 27 - 3 - 6)^4$$

$$\begin{aligned}
3268147904 &:= (3 + 2 + 681 + 4 + 790 + 4)^3 &= (-3 + 2 - 6 + 8 + 1479 + 04)^3 \\
3276800000 &:= (3 + 2 + 7 + 68 + 00000)^5 &= (3 - 2 - 7 + 6 + 80 + 00000)^5 \\
3486784401 &:= (34 + 86 + 78 + 44 + 01)^4 &= (34 + 8 - 6 - 78 + 4 + 40 + 1)^{20} \\
3518743761 &:= (3 + 5 + 1 + 8 + 743 + 761)^3 &= (35 - 18 - 7 + 43 - 7 - 6 - 1)^6 \\
3544535296 &:= (35 + 4 + 4 + 53 + 52 + 96)^4 &= (3 + 544 - 5 + 3 - 5 - 296)^4 \\
3707398432 &:= (3 + 7 + 07 + 3 + 9 + 8 + 43 + 2)^5 &= (3 - 70 + 7 + 3 + 98 + 43 - 2)^5 \\
3722098081 &:= (3 + 72 + 2 + 09 + 80 + 81)^4 &= (3 + 72 + 20 - 9 + 80 + 81)^4 \\
3899547224 &:= (389 + 954 + 7 + 224)^3 &= (3 + 899 - 54 + 722 + 4)^3 \\
\\
4097152081 &:= (40 + 97 + 15 + 20 + 81)^4 &= (40 + 9 - 7 - 1 + 5 + 208 - 1)^4 \\
4256518564 &:= (42 + 5 + 65185 + 6 + 4)^2 &= (-4 + 2 - 5 + 65185 + 64)^2 \\
4294967296 &:= (42 + 9 + 4 + 96 + 7 + 2 + 96)^4 &= (42 + 9 + 4 + 9 - 67 + 2 + 9 - 6)^{32} \\
4314825152 &:= (43 + 1482 + 51 + 52)^3 &= (-4 + 3 + 1482 - 5 + 152)^3 \\
4499860561 &:= (4 + 4 + 99 + 86 + 05 + 61)^4 &= (44 - 9 + 98 + 60 + 5 + 61)^4 \\
4711998736 &:= (47 + 119 + 9 + 8 + 73 + 6)^4 &= (47 + 119 + 98 + 7 - 3 - 6)^4 \\
4767078987 &:= (4 + 7 + 670 + 7 + 8 + 987)^3 &= (-4 + 7 - 6 + 707 - 8 + 987)^3 \\
4921675101 &:= (4 + 921 + 675 + 101)^3 &= (-4 + 9216 - 7510 - 1)^3 \\
\\
4931550625 &:= (4 + 93 + 155 + 06 + 2 + 5)^4 &= (4 + 931 + 5 - 50 - 625)^4 \\
5158686976 &:= (51 + 58 + 68 + 6 + 9 + 76)^4 &= (51 + 58 + 6 + 86 - 9 + 76)^4 \\
5584059449 &:= (5 + 5 + 8 + 40 + 5 + 9 + 4 + 4 + 9)^5 &= (5 + 5 + 8 + 40 + 5 - 9 + 44 - 9)^5 \\
5887339441 &:= (58 + 87 + 33 + 94 + 4 + 1)^4 &= (-58 - 8 - 7 - 3 + 394 - 41)^4 \\
6178857875 &:= (61 + 7 + 885 + 7 + 875)^3 &= (-6 + 1788 + 57 + 8 - 7 - 5)^3 \\
6240321451 &:= (62 + 4 + 03 + 2 + 14 + 5 + 1)^5 &= (62 + 4 + 032 + 1 - 4 - 5 + 1)^5 \\
6414247921 &:= (64 + 142 + 47 + 9 + 21)^4 &= (-641 + 4 + 2 + 4 - 7 + 921)^4 \\
6690585616 &:= (66 + 90 + 58 + 56 + 16)^4 &= (6 - 6 + 905 - 8 + 5 - 616)^4 \\
\\
7269949696 &:= (72 + 6 + 99 + 4 + 96 + 9 + 6)^4 &= (7 + 2 - 6 + 994 - 9 - 696)^4 \\
7886150416 &:= (7 + 88 + 6 + 150 + 41 + 6)^4 &= (788 + 6 + 1 - 504 + 1 + 6)^4 \\
8208541201 &:= (8 + 2 + 085 + 4 + 1 + 201)^4 &= (-8 + 20 + 85 + 4 - 1 + 201)^4 \\
8303765625 &:= (8 + 3 + 03 + 7 + 6 + 5 + 6 + 2 + 5)^6 &= (83 - 03 + 7 - 6 - 5 - 6 - 25)^6 \\
9039207968 &:= (9 + 039 + 20 + 7 + 9 + 6 + 8)^5 &= (90 - 3 + 92 - 079 + 6 - 8)^5 \\
9509900499 &:= (9 + 50 + 9 + 9 + 004 + 9 + 9)^5 &= (950 - 9 - 900 + 49 + 9)^5 \\
9597924961 &:= (95 + 9 + 7 + 92 + 49 + 61)^4 &= (9 + 5 - 9 + 7 - 9 + 249 + 61)^4 \\
9718142104 &:= (9 + 7 + 1 + 8 + 1 + 4 + 2104)^3 &= (-9 + 7 + 18 + 14 + 2104)^3 \\
9911994481 &:= (99 + 11 + 99448 + 1)^2 &= (99119 - 9 + 448 + 1)^2
\end{aligned}$$

6.2 11 Digits Equalities

$$\begin{aligned}
 10355301121 &:= (1 + 03 + 5 + 5 + 301 + 1 + 2 + 1)^4 = (1 + 035 - 5 + 301 - 12 - 1)^4 \\
 &= (-1 + 0355 - 30 - 1 - 1 - 2 - 1)^4 \\
 &= (10 + 35 - 5 + 301 - 1 - 21)^4 \\
 &= (-103 + 5 - 5 + 301 + 121)^4.
 \end{aligned}$$

$$\begin{aligned}
 10460353203 &:= (1 + 04 + 6 + 03 + 5 + 3 + 2 + 03)^7 = (1 + 04 - 6 + 03 + 5 + 3 + 20 - 3)^7 \\
 &= (10 + 4 - 60 - 3 + 53 + 20 + 3)^7 \\
 &= (10 - 4 + 6 + 035 + 3 - 20 - 3)^7 \\
 &= (1 + 04 - 6 + 03 + 5 - 3 + 2 - 03)^{21} \\
 &= (10 + 4 - 60 + 35 - 3 + 20 - 3)^{21} \\
 &= (10 - 46 + 03 + 53 - 20 + 3)^{21}.
 \end{aligned}$$

$$\begin{aligned}
 10750371856 &:= (107 + 50 + 3 + 71 + 85 + 6)^4 = (10 + 7503 - 7185 - 6)^4 \\
 &= (1 - 07 + 5 + 0371 + 8 - 56)^4 \\
 &= (10 + 7 + 503 - 7 - 185 - 6)^4 \\
 &= (-107 + 503 - 71 + 8 - 5 - 6)^4.
 \end{aligned}$$

$$\begin{aligned}
 11019960576 &:= (1 + 1 + 0199 + 60 + 57 + 6)^4 = (1 + 10 + 19 - 9 + 60 - 57 - 6)^8 \\
 &= (1 + 101 + 99 + 60 + 57 + 6)^4 \\
 &= (1 + 101 - 9 - 9 - 60 - 5 - 7 + 6)^8 \\
 &= (11 + 01 - 9 + 96 - 05 - 76)^8 \\
 &= (110 + 1 + 9 + 9 - 60 - 57 + 6)^8.
 \end{aligned}$$

$$11105365924 := (1 + 1 + 105365 + 9 + 2 + 4)^2 = (1 + 1 + 105365 - 9 + 24)^2.$$

$$11405819251 := (1 + 1405 + 819 + 25 + 1)^3 = (1 + 1405 - 81 + 925 + 1)^3.$$

$$\begin{aligned}
 11574317056 &:= (1 + 1 + 57 + 43 + 170 + 56)^4 \\
 &:= (1 + 157 + 43 + 1 + 70 + 56)^4 = (1 + 1 + 5 + 7 - 4 + 317 - 05 + 6)^4 \\
 &= (1 + 157 + 4 - 3 + 170 + 5 - 6)^4 \\
 &= (11 + 5 + 7 + 431 - 70 - 56)^4.
 \end{aligned}$$

$$\begin{aligned}
 12230590464 &:= (1 + 2230 + 59 + 04 + 6 + 4)^3 = (-12 + 2305 + 9 + 04 - 6 + 4)^3 \\
 &= (12 - 2 + 30 + 5 + 9 + 04 - 6 - 4)^6 \\
 &= (122 - 3 + 05 - 90 + 4 + 6 + 4)^6 \\
 &= (1 - 22 - 305 - 90 + 464)^6.
 \end{aligned}$$

$$\begin{aligned}
12246522625 &:= (1 + 2 + 24 + 6 + 5 + 2262 + 5)^3 \\
&:= (1 + 22 + 4 + 6 + 5 + 2262 + 5)^3 \\
&:= (1 + 2246 + 5 + 2 + 26 + 25)^3 \\
&:= (1 + 2246 + 5 + 22 + 6 + 25)^3 = (1 + 2246 + 5 - 2 - 2 + 62 - 5)^3 \\
&= (1 - 2 - 2 + 46 + 5 + 2262 - 5)^3.
\end{aligned}$$

$$\begin{aligned}
12296370321 &:= (1 + 2 + 296 + 3 + 7 + 03 + 21)^4 \\
&:= (1 + 229 + 6 + 3 + 70 + 3 + 21)^4 \\
&:= (1 + 229 + 63 + 7 + 032 + 1)^4 = (1 + 2 + 296 - 3 + 70 - 32 - 1)^4 \\
&= (1 + 22 - 9 - 6 - 3 + 7 + 0321)^4 \\
&= (-12 + 296 + 370 - 321)^4 \\
&= (12 - 2 + 9 + 63 - 70 + 321)^4.
\end{aligned}$$

$$\begin{aligned}
12444741136 &:= (1 + 244 + 4 + 7 + 41 + 1 + 36)^4 \\
&:= (1 + 244 + 4 + 74 + 1 + 1 + 3 + 6)^4 \\
&:= (1 + 244 + 47 + 4 + 1 + 1 + 36)^4 = (1 + 2 - 4 - 4 + 474 + 1 - 136)^4 \\
&= (12 + 444 - 7 + 4 - 113 - 6)^4 \\
&= (1 - 24 - 44 - 7 + 411 + 3 - 6)^4.
\end{aligned}$$

$$\begin{aligned}
12503322161 &:= (125 + 03 + 32 + 2161)^3 \\
&:= (125 + 033 + 2 + 2161)^3 = (1 + 2503 + 32 - 216 + 1)^3.
\end{aligned}$$

$$\begin{aligned}
12535672267 &:= (1 + 2 + 5 + 35 + 6 + 7 + 2267)^3 = (1 - 2 + 53 + 5 + 6 - 7 + 2267)^3 \\
&= (125 + 3 - 5 - 67 + 2267)^3.
\end{aligned}$$

$$12681938368 := (12 + 6 + 8 + 1938 + 368)^3 = (-1 + 2681 + 9 + 3 + 8 - 368)^3.$$

$$\begin{aligned}
12897917761 &:= (1 + 2 + 8 + 9 + 79 + 177 + 61)^4 \\
&:= (1 + 2 + 8 + 97 + 91 + 77 + 61)^4 \\
&:= (1 + 289 + 7 + 9 + 17 + 7 + 6 + 1)^4 \\
&:= (12 + 89 + 7 + 91 + 77 + 61)^4 \\
&:= (128 + 9 + 7 + 9 + 177 + 6 + 1)^4 \\
&:= (128 + 97 + 91 + 7 + 7 + 6 + 1)^4 = (1 + 28 - 9 + 79 + 177 + 61)^4 \\
&= (12 + 89 + 7 - 9 + 177 + 61)^4 \\
&= (128 - 9 + 79 + 1 + 77 + 61)^4.
\end{aligned}$$

$$13549359104 := (1354 + 935 + 91 + 04)^3 = (1354 + 935 - 9 + 104)^3.$$

$$\begin{aligned}
13680577296 &:= (1 + 36 + 80 + 57 + 72 + 96)^4 \\
&:= (13 + 6 + 8 + 05 + 7 + 7 + 296)^4 = (1 + 368 - 057 + 7 + 29 - 6)^4 \\
&= (1 - 3 + 6 - 8 + 057 - 7 + 296)^4 \\
&= (136 + 80 + 57 + 72 - 9 + 6)^4 \\
&= (-13 - 6 + 80 + 577 - 296)^4.
\end{aligned}$$

$$\begin{aligned}
13841287201 &:= (1 + 3 + 8 + 41 + 2 + 87 + 201)^4 \\
&:= (1 + 3 + 8 + 41 + 287 + 2 + 01)^4 \\
&:= (1 + 38 + 4 + 12 + 87 + 201)^4 \\
&:= (138 + 4 + 128 + 72 + 01)^4 = (1 + 38 + 412 - 87 - 20 - 1)^4 \\
&= (13 + 8 + 412 - 87 - 2 - 01)^4 \\
&= (138 + 4 + 1 - 2 + 8 - 7 + 201)^4 \\
&= (1 + 3 + 8 + 4 + 1 + 28 + 7 - 2 - 01)^6 \\
&= (138 - 4 + 1 - 287 + 201)^6 \\
&= (13 - 84 + 128 - 7 - 2 + 01)^6 \\
&= (1 + 3 - 84 + 1 + 2 + 87 - 2 - 01)^{12} \\
&= (13 - 84 - 12 + 87 + 2 + 01)^{12} \\
&= (138 - 41 - 2 - 87 - 2 + 01)^{12}.
\end{aligned}$$

$$14014952531 := (1401 + 4 + 952 + 53 + 1)^3 = (1 - 40 + 14 - 95 + 2531)^3.$$

$$\begin{aligned}
14025517307 &:= (1 + 4 + 02 + 5 + 51 + 7 + 30 + 7)^5 \\
&:= (1 + 4 + 02 + 55 + 1 + 7 + 30 + 7)^5 \\
&:= (1 + 40 + 2 + 5 + 5 + 17 + 30 + 7)^5 \\
&:= (14 + 02 + 5 + 5 + 1 + 73 + 07)^5 \\
&:= (14 + 025 + 51 + 7 + 3 + 07)^5 = (1 + 40 - 2 + 55 + 17 + 3 - 07)^5 \\
&= (140 + 2 - 55 - 17 + 30 + 7)^5 \\
&= (14 - 02 + 55 + 17 + 30 - 7)^5.
\end{aligned}$$

$$14049858997 := (1404 + 98 + 5 + 899 + 7)^3 = (1404 - 9 + 8 + 5 + 8 + 997)^3.$$

$$\begin{aligned}
14331199589 &:= (14 + 331 + 1995 + 89)^3 = (1 + 433 + 1 + 1995 + 8 - 9)^3 \\
&= (1433 + 1 + 1 + 995 + 8 - 9)^3.
\end{aligned}$$

$$\begin{aligned}
14331920656 &:= (1 + 4 + 3 + 319 + 2 + 06 + 5 + 6)^4 \\
&:= (1 + 43 + 31 + 9 + 206 + 56)^4 = (1 + 433 - 1 - 92 + 06 + 5 - 6)^4 \\
&= (1 - 4 + 331 - 9 + 20 + 6 - 5 + 6)^4 \\
&= (1 - 43 + 319 - 2 + 065 + 6)^4 \\
&= (14 - 3 - 319 - 2 + 0656)^4.
\end{aligned}$$

$$14688124849 := (1468 + 8 + 124 + 849)^3 = (1 + 46 + 8 - 81 + 2484 - 9)^3.$$

$$\begin{aligned} 14693280768 &:= (1 + 4 + 6 + 9 + 3 + 2 + 8 + 07 + 68)^5 \\ &:= (1 + 4 + 69 + 3 + 2 + 8 + 07 + 6 + 8)^5 \\ &:= (1 + 46 + 9 + 3 + 28 + 07 + 6 + 8)^5 = (1 + 4 - 693 + 28 + 0768)^5 \\ &= (146 - 93 + 2 - 8 - 07 + 68)^5 \\ &= (14 - 6 - 9 - 32 + 80 - 7 + 68)^5. \end{aligned}$$

$$\begin{aligned} 14835483601 &:= (14 + 8 + 354 + 8 - 36 + 01)^4 \\ &:= (148 + 3 + 54 + 83 + 60 + 1)^4 = (1 + 4 + 8 + 354 - 8 - 3 - 6 - 01)^4 \\ &= (1 + 4 - 83 + 5 + 483 - 60 - 1)^4 \end{aligned}$$

$$\begin{aligned} 15142552424 &:= (1 + 5 + 14 + 25 + 5 + 2424)^3 \\ &:= (15 + 1 + 4 + 25 + 5 + 2424)^3 = (1 + 51 - 4 + 2 + 5 - 5 + 2424)^3. \end{aligned}$$

$$15179306176 := (1517 + 930 + 6 + 17 + 6)^3 = (-1 - 517 + 9 + 3061 - 76)^3.$$

$$\begin{aligned} 15308412587 &:= (1530 + 841 + 25 + 87)^3 = (-15 + 3084 - 1 + 2 - 587)^3 \\ &= (-153 + 08 + 41 + 2587)^3. \end{aligned}$$

$$\begin{aligned} 15352201216 &:= (153 + 52 + 20 + 121 + 6)^4 = (1 + 535 + 2 - 201 + 21 - 6)^4 \\ &= (153 - 5 + 220 - 1 - 21 + 6)^4 \\ &= (15 + 352 + 201 - 216)^4. \end{aligned}$$

$$\begin{aligned} 15386239549 &:= (1 + 5 + 3 + 8 + 6 + 23 + 9 + 5 + 49)^5 \\ &:= (1 + 5 + 3 + 8 + 62 + 3 + 9 + 5 + 4 + 9)^5 \\ &:= (1 + 5 + 38 + 6 + 2 + 39 + 5 + 4 + 9)^5 \\ &:= (1 + 5 + 3 + 86 + 2 + 3 - 9 + 5 + 4 + 9)^5 \\ &:= (15 + 3 + 8 + 6 + 2 + 3 + 9 + 54 + 9)^5 \\ &:= (15 + 38 + 6 + 23 + 9 + 5 + 4 + 9)^5 = (1 + 5 + 386 - 239 + 5 - 49)^5 \\ &= (1 + 53 + 86 - 2 - 39 + 5 - 4 + 9)^5 \\ &= (15 + 38 + 62 + 39 - 54 + 9)^5 \\ &= (153 - 8 - 6 + 23 - 9 + 5 - 49)^5. \end{aligned}$$

$$\begin{aligned} 15882300625 &:= (1 + 5 + 8 + 8 + 2 + 300 + 6 + 25)^4 \\ &:= (1 + 5 + 88 + 230 + 06 + 25)^4 = (1 + 5 - 8 - 8 - 2 + 300 + 62 + 5)^4 \\ &= (1 - 5 + 88 + 2 + 300 - 6 - 25)^4 \\ &= (-158 - 82 - 30 + 0625)^4. \end{aligned}$$

$$\begin{aligned}
 16426010896 &:= (1 + 64 + 260 + 10 + 8 + 9 + 6)^4 = (1 + 6 + 4 + 260 - 1 - 08 + 96)^4 \\
 &= (1 + 64 - 2 - 601 + 0896)^4 \\
 &= (16 + 426 - 01 - 089 + 6)^4.
 \end{aligned}$$

$$\begin{aligned}
 16983563041 &:= (16 + 9 + 8 + 3 + 5 - 63 + 041)^8 \\
 &:= (169 + 83 + 5 + 63 + 041)^4 = (1 + 69 - 8 - 3 + 5 - 6 + 304 - 1)^4 \\
 &= (16 + 983 - 5 - 630 - 4 + 1)^4 \\
 &= (16 - 9 - 8 + 356 + 3 + 04 - 1)^4 \\
 &= (1 + 6 + 98 + 3 - 56 - 30 - 4 + 1)^8 \\
 &= (16 + 98 - 35 - 63 + 04 - 1)^8 \\
 &= (169 - 83 - 56 + 30 - 41)^8.
 \end{aligned}$$

$$17253512704 := (17 + 2535 + 1 + 27 + 04)^3 = (1 - 72 - 53 + 5 - 1 + 2704)^3.$$

$$\begin{aligned}
 17596287801 &:= (1759 + 6 + 28 + 7 + 801)^3 = (1 + 759 + 62 + 8 - 780 + 1)^6 \\
 &= (17 - 59 + 6 + 2 + 8 + 78 - 01)^6 \\
 &= (175 - 96 - 28 - 7 + 8 - 01)^6.
 \end{aligned}$$

$$18129265883 := (1 + 812 + 926 + 5 + 883)^3 = (-18 - 1 + 2 - 9 + 2658 - 8 + 3)^3.$$

$$\begin{aligned}
 18141126721 &:= (1 + 81 + 4 + 11 + 267 + 2 + 1)^4 \\
 &:= (181 + 4 + 112 + 67 + 2 + 1)^4 = (18 + 1 + 411 + 2 + 6 - 72 + 1)^4 \\
 &= (1 + 8 + 1 + 411 - 26 - 7 - 21)^4 \\
 &= (1 - 81 + 411 + 2 + 6 + 7 + 21)^4.
 \end{aligned}$$

$$\begin{aligned}
 18337088853 &:= (1833 + 708 + 8 + 85 + 3)^3 \\
 &:= (1833 + 708 + 88 + 5 + 3)^3 = (1833 - 70 - 8 + 885 - 3)^3.
 \end{aligned}$$

$$18525482136 := (1 + 85 + 2548 + 2 + 1 + 3 + 6)^3$$

$$18525482136 := (1 + 85 + 2548 + 21 - 3 - 6)^3$$

$$18525482136 := (1852 + 5 + 4 + 821 - 36)^3.$$

$$\begin{aligned}
 18539817921 &:= (1 + 85 + 3 + 98 + 179 + 2 + 1)^4 \\
 &:= (18 + 53 + 98 + 179 + 21)^4 \\
 &:= (185 + 3 + 98 + 1 + 79 + 2 + 1)^4 = (1 + 8 + 539 - 81 - 7 - 92 + 1)^4 \\
 &= (18 + 539 - 8 - 179 - 2 + 1)^4 \\
 &= (185 + 3 + 98 - 1 - 7 + 92 - 1)^4 \\
 &= (185 + 3 - 9 + 8 + 179 + 2 + 1)^4.
 \end{aligned}$$

$$19486825371 := (1948 + 682 + 53 + 7 + 1)^3 = (1 + 94 - 8 + 68 + 2537 - 1)^3$$

$$\begin{aligned} 19987173376 &:= (1 + 9 - 9 + 8 + 7 + 17 + 337 + 6)^4 \\ &:= (1 + 99 + 87 + 173 + 3 + 7 + 6)^4 \\ &:= (19 + 98 + 7 + 173 + 3 + 76)^4 \\ &:= (199 + 87 + 1 + 7 + 3 + 3 + 76)^4 \\ &:= (199 + 87 + 1 + 73 + 3 + 7 + 6)^4 = (1 - 99 + 87 + 1 + 7 + 3 + 376)^4 \\ &= (19 - 9 - 8 + 71 - 73 + 376)^4 \\ &= (19 - 9 - 8 + 717 - 337 - 6)^4. \end{aligned}$$

$$\begin{aligned} 20301732352 &:= (2 + 0301 + 73 + 2352)^3 \\ &:= (203 + 0173 + 2352)^3 = (2030 - 1 + 732 - 35 + 2)^3. \end{aligned}$$

$$\begin{aligned} 20415837456 &:= (204 + 1 + 5 + 83 + 74 + 5 + 6)^4 \\ &:= (2 + 0415 - 83 - 7 + 45 + 6)^4 = (-204 + 1 + 583 - 7 + 4 - 5 + 6)^4 \\ &= (20 - 4 + 1 - 58 - 37 + 456)^4. \end{aligned}$$

$$\begin{aligned} 20632736881 &:= (2 + 06 + 3 + 273 + 6 + 8 + 81)^4 \\ &:= (2 + 06 + 3 + 273 + 6 + 88 + 1)^4 \\ &:= (20 + 6 + 3 + 273 + 68 + 8 + 1)^4 \\ &:= (20 + 6 + 327 + 3 + 6 + 8 + 8 + 1)^4 \\ &:= (20 + 63 + 273 + 6 + 8 + 8 + 1)^4 \\ &:= (206 + 3 + 2 + 73 + 6 + 8 + 81)^4 \\ &:= (206 + 3 + 2 + 73 + 6 + 88 + 1)^4 = (2 + 06 + 3 + 2 + 7 + 368 - 8 - 1)^4 \\ &= (20 - 6 - 327 + 3 + 688 + 1)^4 \\ &= (20 - 63 - 27 + 368 + 81)^4. \end{aligned}$$

$$20706256936 := (2070 + 625 + 6 + 9 + 36)^3 = (207 + 06 + 2569 - 36)^3.$$

$$\begin{aligned} 21003416576 &:= (2 + 1 + 003 + 41 + 6 + 57 + 6)^5 \\ &:= (2 + 1 + 0034 + 1 + 65 + 7 + 6)^5 \\ &:= (2 + 1 + 0034 + 16 + 57 + 6)^5 \\ &:= (2 + 10 + 03 + 4 + 16 + 5 + 76)^5 \\ &:= (2 + 10 + 034 + 1 + 6 + 57 + 6)^5 \\ &:= (21 + 003 + 4 + 1 + 6 + 5 + 76)^5 = (2 + 100 - 3 + 41 - 6 - 5 - 7 - 6)^5 \\ &= (21 - 003 + 41 + 6 + 57 - 6)^5 \\ &= (2 - 1 - 003 + 41 + 6 - 5 + 76)^5 \\ &= (210 - 03 - 4 - 16 + 5 - 76)^5. \end{aligned}$$

$$\begin{aligned}
21293813776 &:= (2 + 129 + 38 + 137 + 76)^4 \\
&:= (212 + 9 + 3 + 8 + 137 + 7 + 6)^4 = (21 + 29 - 38 - 1 + 377 - 6)^4 \\
&= (212 + 93 - 8 - 1 + 3 + 7 + 76)^4 \\
&= (21 - 29 + 381 + 3 + 7 - 7 + 6)^4 \\
&= (2 - 1 - 2 - 9 - 381 - 3 + 776)^4.
\end{aligned}$$

$$21531355768 := (2153 + 1 + 3 + 557 + 68)^3 = (215 + 3135 - 576 + 8)^3.$$

$$\begin{aligned}
21924480357 &:= (2 + 1 + 9 + 2 + 4 + 4 + 80 + 3 + 5 + 7)^5 \\
&:= (2 + 19 + 2 + 4 + 48 + 035 + 7)^5 \\
&:= (2 + 19 + 2 + 44 + 8 + 035 + 7)^5 \\
&:= (2 + 19 + 24 + 4 + 8 + 03 + 57)^5 \\
&:= (21 + 9 + 24 + 48 + 03 + 5 + 7)^5 &= (2 - 1 + 92 + 44 + 8 - 035 + 7)^5 \\
& &= (219 + 24 - 4 - 80 - 35 - 7)^5 \\
& &= (21 - 9 - 244 - 8 + 0357)^5.
\end{aligned}$$

$$21970650625 := (219 + 70 + 65 + 06 + 25)^4 = (-21 - 97 - 06 + 506 - 2 + 5)^4$$

$$\begin{aligned}
22164361129 &:= (2 + 2164 + 3 + 611 + 29)^3 = (22 + 1 - 64 + 3 + 61 + 1 + 29)^6 \\
&= (2 - 21 + 6 - 43 + 6 + 112 - 9)^6 \\
&= (221 + 64 - 361 + 129)^6 \\
&= (2216 - 4 - 3 + 611 - 2 - 9)^3.
\end{aligned}$$

$$\begin{aligned}
22354272513 &:= (2 + 23 + 54 + 2725 + 13)^3 \\
&:= (22 + 3 + 54 + 2725 + 13)^3 \\
&:= (223 + 54 + 27 + 2513)^3 = (2 + 2 + 3542 - 725 - 1 - 3)^3.
\end{aligned}$$

$$\begin{aligned}
22430753361 &:= (2 + 2 + 4 + 3 + 07 + 5 + 3 + 361)^4 \\
&:= (2 + 2 + 4 + 30 + 7 + 5 + 336 + 1)^4 \\
&:= (2 + 2 + 4 + 307 + 5 + 3 + 3 + 61)^4 \\
&:= (2 + 243 + 075 + 3 + 3 + 61)^4 &= (2 + 2 + 430 - 75 - 33 + 61)^4 \\
& &= (22 - 4 + 3 + 07 - 5 + 3 + 361)^4 \\
& &= (2 - 24 - 3 + 075 + 336 + 1)^4.
\end{aligned}$$

$$\begin{aligned}
22663495936 &:= (2 + 2 + 6 + 6 + 349 + 5 + 9 + 3 + 6)^4 \\
&:= (2 + 266 + 3 + 4 + 9 + 5 + 93 + 6)^4 \\
&:= (2 + 266 + 3 + 4 + 95 + 9 + 3 + 6)^4 \\
&:= (2 + 266 + 3 + 49 + 59 + 3 + 6)^4 \\
&:= (226 + 6 + 3 + 49 + 5 + 93 + 6)^4 \\
&:= (226 + 63 + 49 + 5 + 9 + 36)^4 &= (22 + 6 + 6 + 349 + 5 + 9 - 3 - 6)^4 \\
& &= (2 + 2 + 6 - 63 - 495 + 936)^4 \\
& &= (226 + 6 + 34 + 95 - 9 + 36)^4.
\end{aligned}$$

$$\begin{aligned}
22785532875 &:= (2 + 2785 + 5 + 3 + 28 + 7 + 5)^3 \\
&:= (2278 + 5 + 532 + 8 + 7 + 5)^3 = (2278 + 553 - 2 + 8 - 7 + 5)^3 \\
&= (2 - 27 - 8 - 5 - 5 + 3 + 2875)^3.
\end{aligned}$$

$$\begin{aligned}
22809653056 &:= (2 + 2809 + 6 + 5 + 3 + 05 + 6)^3 \\
&:= (2280 + 9 + 6 + 530 + 5 + 6)^3 = (2 + 2809 - 6 + 5 - 30 + 56)^3 \\
&= (-228 + 09 - 6 + 5 + 3056)^3.
\end{aligned}$$

$$\begin{aligned}
22877577568 &:= (2 + 2 + 8 + 7 + 7 + 5 + 7 + 7 + 5 + 68)^5 = (2 + 287 - 75 - 77 - 5 - 6 - 8)^5 \\
&= (22 + 87 + 757 - 756 + 8)^5 \\
&= (2 - 28 + 77 + 57 + 7 + 5 + 6 - 8)^5 \\
&= (22 - 8 - 7 - 7 + 57 + 75 - 6 - 8)^5.
\end{aligned}$$

$$\begin{aligned}
23372600161 &:= (2 + 3 + 372 + 6 + 001 + 6 + 1)^4 = (2 + 337 - 2 - 6 - 001 + 61)^4 \\
&= (233 - 7 - 2 + 6 + 00161)^4.
\end{aligned}$$

$$23887872000 := (2 + 3 + 88 + 787 + 2000)^3 = (-2 + 3 + 8 + 878 - 7 + 2000)^3.$$

$$\begin{aligned}
24098215696 &:= (2 + 4 + 098 + 215 + 69 + 6)^4 \\
&:= (2 + 40 + 98 + 2 + 156 + 96)^4 = (2 + 409 + 8 - 21 + 5 + 6 - 9 - 6)^4 \\
&= (-24 + 0982 - 1 - 569 + 6)^4 \\
&= (240 - 9 + 8 + 2 + 1 + 56 + 96)^4 \\
&= (-2 - 409 + 821 + 5 - 6 - 9 - 6)^4.
\end{aligned}$$

$$\begin{aligned}
24363778699 &:= (2436 + 377 + 8 + 69 + 9)^3 \\
24363778699 &:= (2436 + 377 + 86 + 9 - 9)^3 = (-24 + 3637 - 7 - 8 - 699)^3.
\end{aligned}$$

$$\begin{aligned}
24591257856 &:= (24 + 5 + 91 + 257 + 8 + 5 + 6)^4 \\
&:= (245 + 9 + 1 + 2 + 5 + 78 + 56)^4 = (2 - 4 + 591 - 257 + 8 + 56)^4 \\
&= (245 - 9 + 1 + 25 + 78 + 56)^4 \\
&= (2 - 459 + 1 - 2 + 5 - 7 + 856)^4.
\end{aligned}$$

$$\begin{aligned}
24794911296 &:= (2 + 4 + 7 + 9 + 4 + 9 + 1 + 1 + 2 + 9 + 6)^6 = (24 + 79 + 49 + 1 - 1 - 2 - 96)^6 \\
&= (247 + 94 + 9 - 1 + 1 - 296)^6 \\
&= (24 - 79 - 4 - 9 - 1 + 129 - 6)^6.
\end{aligned}$$

$$\begin{aligned}
24840596881 &:= (248 + 4 + 05 - 9 + 68 + 81)^4 \\
&:= (248 + 40 + 5 + 9 + 6 + 8 + 81)^4 = (2 + 484 - 05 - 9 - 68 - 8 + 1)^4 \\
&= (248 + 40 + 5 + 9 + 6 + 88 + 1)^4 \\
&= (2 - 4 - 8 + 405 - 9 - 6 + 8 + 8 + 1)^4.
\end{aligned}$$

$$\begin{aligned}
26376683281 &:= (2 + 6 + 37 + 6 + 68 + 3 + 281)^4 \\
&:= (2 + 6 + 37 + 66 + 8 + 3 + 281)^4 \\
&:= (26 + 3 + 76 + 6 + 8 + 3 + 281)^4 \\
&:= (263 + 7 + 6 + 6 + 8 + 32 + 81)^4 = (2 + 6 + 376 + 68 + 32 - 81)^4 \\
&= (263 + 76 + 68 + 3 + 2 - 8 - 1)^4 \\
&= (26 - 3 - 7 + 66 - 8 + 328 + 1)^4 \\
&= (263 - 76 - 68 + 3 + 281)^4.
\end{aligned}$$

$$27189441343 := (2 + 718 + 944 + 1343)^3 = (2718 - 9 - 44 - 1 + 343)^3.$$

$$\begin{aligned}
27512614111 &:= (2 + 7 + 5 + 1 + 2 + 6 + 1 + 4 + 1 + 1 + 1)^7 = (27 + 5 - 126 + 14 + 111)^7 \\
&= (275 + 1 - 261 + 4 + 11 + 1)^7 \\
&= (27 - 51 + 26 - 1 + 41 - 11)^7.
\end{aligned}$$

$$\begin{aligned}
27625773167 &:= (276 + 2577 + 3 + 167)^3 = (2 - 76 + 2 + 5 - 77 + 3167)^3 \\
&= (-2762 + 5773 - 1 + 6 + 7)^3.
\end{aligned}$$

$$\begin{aligned}
27982932961 &:= (2 + 7 + 9 + 8 + 293 + 29 + 61)^4 \\
&:= (2 + 7 + 9 + 82 + 9 + 3 + 296 + 1)^4 \\
&:= (27 + 9 + 8 + 29 + 329 + 6 + 1)^4 \\
&:= (27 + 9 + 8 + 293 + 2 + 9 + 61)^4 \\
&:= (279 + 8 + 29 + 3 + 29 + 61)^4 \\
&:= (279 + 82 + 9 + 3 + 29 + 6 + 1)^4 = (27 - 9 + 82 + 9 + 3 + 296 + 1)^4 \\
&= (279 + 8 + 2 - 9 + 32 + 96 + 1)^4 \\
&= (27 - 9 + 8 + 2 - 9 + 329 + 61)^4.
\end{aligned}$$

$$\begin{aligned}
28122197921 &:= (2 + 812 + 2197 + 9 + 21)^3 \\
&:= (28 + 1 + 2219 + 792 + 1)^3 \\
&:= (2812 + 2 + 197 + 9 + 21)^3 = (2 - 81 + 2 + 2197 + 921)^3.
\end{aligned}$$

$$\begin{aligned}
28813025536 &:= (2 + 8 + 8 + 1 + 302 + 55 + 36)^4 \\
&:= (2 + 8 + 8 + 130 + 255 + 3 + 6)^4 \\
&:= (2 + 8 + 81 + 30 + 255 + 36)^4 \\
&:= (2 + 8 + 81 + 302 + 5 + 5 + 3 + 6)^4 \\
&:= (2 + 88 + 1 + 30 + 255 + 36)^4 \\
&:= (2 + 88 + 1 + 302 + 5 + 5 + 3 + 6)^4 \\
&:= (288 + 1 + 30 + 2 + 55 + 36)^4 = (288 + 130 + 25 + 5 - 36)^4 \\
&= (28 - 8 - 1 + 302 + 55 + 36)^4 \\
&= (2 - 88 - 13 - 025 + 536)^4.
\end{aligned}$$

$$28934443000 := (2 + 8 + 9 + 3 + 44 + 4 + 3000)^3 = (28 - 9 + 3 + 44 + 4 + 3000)^3.$$

$$\begin{aligned} 29132817533 &:= (2 - 9 + 1328 + 1753 + 3)^3 \\ &:= (2913 + 2 + 81 + 75 + 3 + 3)^3 = (291 - 3 + 2817 + 5 - 33)^3. \end{aligned}$$

$$29161230552 := (2 + 9 + 1 + 6 + 1 + 2 + 3055 + 2)^3 = (29 - 16 + 12 + 3055 - 2)^3.$$

$$\begin{aligned} 29376588816 &:= (293 + 7 + 6 + 5 + 8 + 8 + 81 + 6)^4 \\ &:= (293 + 7 + 6 + 5 + 8 + 88 + 1 + 6)^4 \\ &:= (293 + 76 + 5 + 8 + 8 + 8 + 16)^4 = (29 + 376 - 58 - 8 + 81 - 6)^4 \\ &= (-2 - 93 - 76 + 588 - 8 - 1 + 6)^4. \end{aligned}$$

$$\begin{aligned} 29661450625 &:= (296 + 6 + 1 + 45 + 062 + 5)^4 \\ &:= (296 + 61 + 45 + 06 + 2 + 5)^4 = (29 + 6 - 61 + 450 - 6 + 2 - 5)^4 \\ &= (296 + 61 - 4 + 5 + 062 - 5)^4 \\ &= (-2 - 966 + 1450 - 62 - 5)^4. \end{aligned}$$

$$29675828736 := (2967 + 58 + 28 + 7 + 36)^3 = (296 - 75 + 8 + 2873 - 6)^3.$$

$$\begin{aligned} 29704593673 &:= (2970 + 4 + 5 + 9 + 36 + 73)^3 \\ &:= (2970 + 45 + 9 + 3 + 67 + 3)^3 = (2970 - 45 + 93 + 6 + 73)^3. \end{aligned}$$

$$\begin{aligned} 29906468864 &:= (2990 + 6 + 4 + 6 + 8 + 86 + 4)^3 = (2990 - 6 - 4 + 68 - 8 + 64)^3 \\ 29964315016 &:= (2996 + 43 + 1 + 50 + 16)^3 = (-29 - 9 + 6 + 4 + 3150 - 16)^3. \end{aligned}$$

$$\begin{aligned} 30167363897 &:= (3016 + 7 + 3 + 63 + 8 + 9 + 7)^3 \\ &:= (3016 + 7 + 36 + 38 + 9 + 7)^3 = (3016 + 7 + 3 - 6 - 3 + 89 + 7)^3. \end{aligned}$$

$$30429771848 := (3042 + 9 + 7 + 7 + 1 + 8 + 48)^3 = (3042 + 9 + 77 - 18 + 4 + 8)^3.$$

$$\begin{aligned} 30517578125 &:= (3 + 05 + 1 + 7 + 5 + 78 + 1 + 25)^5 \\ &:= (3 + 05 + 1 + 75 + 7 + 8 + 1 + 25)^5 \\ &:= (3 + 05 + 17 + 5 + 78 + 12 + 5)^5 \\ &:= (30 + 5 + 1 + 7 + 57 + 8 + 12 + 5)^5 \\ &:= (30 + 51 + 7 + 5 + 7 + 8 + 12 + 5)^5 = (3051 + 7 + 57 + 8 - 1 - 2 + 5)^3 \\ &= (30 + 5 + 175 - 78 - 12 + 5)^5 \\ &= (3 - 05 - 1 - 7 - 5 + 7 + 8 + 125)^5 \\ &= (305 - 17 - 57 - 81 - 25)^5 \\ &= (3 + 05 + 1 + 7 + 5 - 7 + 8 - 12 - 5)^{15} \\ &= (30 + 5 + 17 + 5 - 78 + 1 + 25)^{15} \\ &= (3 - 051 - 7 - 57 - 8 + 125)^{15}. \end{aligned}$$

$$\begin{aligned}
30528476176 &:= (30 + 5 + 284 + 76 + 17 + 6)^4 \\
&:= (30 + 52 + 84 + 76 + 176)^4 \\
&:= (305 + 2 + 8 + 4 + 76 + 17 + 6)^4 \\
&:= (305 + 2 + 84 + 7 + 6 + 1 + 7 + 6)^4 \\
&:= (305 + 28 + 4 + 7 + 61 + 7 + 6)^4 = (30 + 528 + 4 - 7 - 61 - 76)^4 \\
&= (-3 - 052 + 8 + 476 - 17 + 6)^4 \\
&= (305 - 2 - 8 - 47 - 6 + 176)^4.
\end{aligned}$$

$$30693697091 := (3069 + 36 + 9 + 7 + 09 + 1)^3 = (3069 + 3 + 6 - 9 + 70 - 9 + 1)^3.$$

$$\begin{aligned}
30723115968 &:= (3072 + 31 + 1 + 5 + 9 + 6 + 8)^3 = (30 - 72 + 3115 - 9 + 68)^3 \\
&= (3072 - 31 + 159 - 68)^3.
\end{aligned}$$

$$\begin{aligned}
30988732221 &:= (30 + 9 + 8 + 873 + 2221)^3 \\
&:= (3098 + 8 + 7 + 3 + 2 + 2 + 21)^3 \\
&:= (3098 + 8 + 7 + 3 + 2 + 22 + 1)^3 \\
&:= (3098 + 8 + 7 + 3 + 22 + 2 + 1)^3 = (3 - 098 + 8 + 7 + 3222 - 1)^3.
\end{aligned}$$

$$31018339288 := (3101 + 8 + 3 + 3 + 9 + 2 + 8 + 8)^3 = (3101 + 83 + 3 - 9 - 28 - 8)^3.$$

$$\begin{aligned}
31414372081 &:= (31 + 4 + 1 + 4 + 372 + 08 + 1)^4 \\
&:= (314 + 14 + 3 + 7 + 2 + 081)^4 = (3 + 1 + 41 + 437 + 20 - 81)^4 \\
&= (314 + 1 + 43 + 72 - 08 - 1)^4 \\
&= (31 - 414 + 3 + 720 + 81)^4.
\end{aligned}$$

$$\begin{aligned}
31524548679 &:= (3 + 15 + 2454 + 8 + 679)^3 = (3152 + 45 - 48 - 6 + 7 + 9)^3 \\
&= (3152 - 4 - 54 - 8 - 6 + 79)^3.
\end{aligned}$$

$$\begin{aligned}
31757969376 &:= (3 + 1 + 7 + 5 + 7 + 9 + 6 + 9 + 3 + 76)^5 \\
&:= (3 + 1 + 7 + 5 + 79 + 6 + 9 + 3 + 7 + 6)^5 \\
&:= (3 + 1 + 75 + 7 + 9 + 6 + 9 + 3 + 7 + 6)^5 \\
&:= (3 + 17 + 5 + 7 + 9 + 69 + 3 + 7 + 6)^5 = (3 + 1 + 7 + 5 + 7 + 96 - 9 + 3 + 7 + 6)^5 \\
&= (31 + 7 + 5 + 7 - 9 + 69 + 3 + 7 + 6)^5 \\
&= (3 - 17 + 5 - 796 + 937 - 6)^5.
\end{aligned}$$

$$\begin{aligned}
32015587041 &:= (320 + 1 + 5 + 5 + 87 + 04 + 1)^4 \\
&:= (320 + 15 + 5 + 8 + 70 + 4 + 1)^4 = (-3 - 20 - 1 + 558 - 70 - 41)^4.
\end{aligned}$$

$$32309356625 := (3 + 2 + 3093 + 56 + 6 + 25)^3 = (3230 + 9 + 3 - 56 + 6 - 2 - 5)^3.$$

$$\begin{aligned}
32319410176 &:= (3 + 231 + 9 + 4 + 1 + 0176)^4 \\
&:= (3 + 231 + 9 + 4 + 101 + 76)^4 \\
&:= (323 + 1 + 9 + 4 + 10 + 1 + 76)^4 \\
&:= (323 + 19 + 4 + 1 + 01 + 76)^4 = (-3 + 231 + 94 + 101 + 7 - 6)^4 \\
&= (32 + 3 - 19 + 410 - 1 - 7 + 6)^4 \\
&= (323 - 1 + 94 + 10 - 1 - 7 + 6)^4.
\end{aligned}$$

$$\begin{aligned}
32645273536 &:= (3 + 2645 + 2 + 7 + 3 + 536)^3 = (3264 + 5 + 2 - 73 - 5 - 3 + 6)^3 \\
&= (3264 + 52 - 73 - 53 + 6)^3 \\
&= (-326 - 4 - 5 + 2 - 7 + 3536)^3 \\
&= (3264 - 5 + 2 - 73 + 5 - 3 + 6)^3.
\end{aligned}$$

$$\begin{aligned}
33038369407 &:= (3 + 3 + 03 + 8 + 3 + 6 + 94 + 07)^5 \\
&:= (3 + 3 + 038 + 3 + 69 + 4 + 07)^5 \\
&:= (3 + 30 + 3 + 8 + 3 + 69 + 4 + 07)^5 \\
&:= (3 + 30 + 38 + 36 + 9 + 4 + 07)^5 \\
&:= (33 + 03 + 8 + 3 + 69 + 4 + 07)^5 \\
&:= (33 + 038 + 36 + 9 + 4 + 07)^5 = (3 + 30 - 3 - 836 + 940 - 7)^5 \\
&= (-330 + 38 - 3 + 6 + 9 + 407)^5 \\
&= (33 - 03 - 8 + 3 + 69 + 40 - 7)^5.
\end{aligned}$$

$$33138024128 := (3 + 3138 + 02 + 41 + 28)^3 = (3313 - 80 + 2 + 4 + 1 - 28)^3.$$

$$\begin{aligned}
33168984597 &:= (3 + 3168 + 9 + 8 + 4 + 5 + 9 + 7)^3 = (3 + 3168 + 98 - 4 - 59 + 7)^3 \\
&= (3316 - 8 - 98 - 4 + 5 + 9 - 7)^3.
\end{aligned}$$

$$\begin{aligned}
33243864241 &:= (3 + 3 + 2 + 4 + 386 + 4 + 24 + 1)^4 \\
&:= (3 + 3 + 24 + 386 + 4 + 2 + 4 + 1)^4 \\
&:= (3 + 324 + 3 + 8 + 6 + 42 + 41)^4 \\
&:= (3 + 324 + 3 + 8 + 64 + 24 + 1)^4 \\
&:= (3 + 324 + 3 + 86 + 4 + 2 + 4 + 1)^4 \\
&:= (332 + 4 + 38 + 6 + 4 + 2 + 41)^4 \\
&:= (332 + 4 + 38 + 6 + 42 + 4 + 1)^4 = (33 + 243 - 86 - 4 + 241)^4 \\
&= (332 - 4 + 38 + 64 + 2 - 4 - 1)^4 \\
&= (3 - 3 - 2 - 4 + 386 + 42 + 4 + 1)^4 \\
&= (33 - 243 - 8 + 642 + 4 - 1)^4.
\end{aligned}$$

$$\begin{aligned}
33417362861 &:= (3 + 341 + 7 + 3 + 6 + 2861)^3 = (334 + 17 + 3 + 6 + 2861)^3 \\
&= (3341 - 73 - 62 + 8 + 6 + 1)^3.
\end{aligned}$$

$$\begin{aligned}
34828517376 &:= (3 + 4 + 8 + 28 + 5 + 1 + 7 + 376)^4 \\
&:= (3 + 48 + 285 + 17 + 3 + 76)^4 \\
&:= (348 + 2 + 8 + 51 + 7 + 3 + 7 + 6)^4 \\
&:= (348 + 28 + 5 + 1 + 7 + 37 + 6)^4 = (3 + 482 + 8 - 5 + 17 + 3 - 76)^4 \\
&= (348 + 2 + 8 - 5 - 1 + 7 - 3 + 76)^4 \\
&= (34 - 8 - 28 + 51 + 7 + 376)^4.
\end{aligned}$$

$$\begin{aligned}
35152125121 &:= (3 + 5 + 152 + 1 + 251 + 21)^4 \\
&:= (35 + 152 + 125 + 121)^4 \\
&:= (351 + 5 + 2 + 1 + 2 + 51 + 21)^4 \\
&:= (351 + 5 + 21 + 2 + 51 + 2 + 1)^4 \\
&:= (351 + 52 + 1 + 2 + 5 + 1 + 21)^4 \\
&:= (351 + 52 + 1 + 25 + 1 + 2 + 1)^4 \\
&:= (351 + 52 + 12 + 5 + 12 + 1)^4 = (35 + 1 + 521 + 2 - 5 - 121)^4.
\end{aligned}$$

$$\begin{aligned}
36136489216 &:= (3 + 61 + 3 + 64 + 89 + 216)^4 \\
&:= (36 + 1 + 364 + 8 + 9 + 2 + 16)^4 \\
&:= (361 + 3 + 6 + 48 + 9 + 2 + 1 + 6)^4 \\
&:= (361 + 36 + 4 + 8 + 9 + 2 + 16)^4 = (3 + 61 + 364 + 8 + 9 - 2 - 1 - 6)^4 \\
&= (361 - 36 + 4 + 89 + 2 + 16)^4 \\
&= (3 - 61 - 3 - 6 + 489 - 2 + 16)^4 \\
&= (36 - 1 - 3 - 6 - 489 + 21 + 6)^4.
\end{aligned}$$

$$\begin{aligned}
37141383841 &:= (3 + 7 + 1 + 4 + 1 + 38 + 384 + 1)^4 \\
&:= (37 + 1 + 4 + 1 + 3 + 8 + 384 + 1)^4 \\
&:= (37 + 1 + 4 + 1 + 383 + 8 + 4 + 1)^4 \\
&:= (371 + 4 + 1 + 3 + 8 + 3 + 8 + 41)^4 \\
&:= (371 + 4 + 13 + 8 + 38 + 4 + 1)^4 \\
&:= (371 + 41 + 3 + 8 + 3 + 8 + 4 + 1)^4 = (3 - 71 + 413 + 8 + 3 + 84 - 1)^4 \\
&= (371 - 4 - 1 + 38 + 38 - 4 + 1)^4 \\
&= (3 - 7 - 14 - 1 - 383 + 841)^4.
\end{aligned}$$

$$\begin{aligned}
37822859361 &:= (3 + 7 + 8 + 22 + 8 + 5 - 93 + 61)^8 \\
&:= (3 + 78 + 2 + 285 + 9 + 3 + 61)^4 \\
&:= (378 + 2 + 2 + 8 + 5 + 9 + 36 + 1)^4 = (3 + 78 - 228 + 593 - 6 + 1)^4 \\
&= (37 + 8 - 2 + 28 + 5 + 9 - 3 - 61)^8 \\
&= (378 + 2 + 2 + 85 + 9 - 36 + 1)^4 \\
&= (378 + 2 - 2 + 8 + 5 - 9 - 361)^8 \\
&= (3 - 782 + 285 + 936 - 1)^4.
\end{aligned}$$

$$\begin{aligned}
38167092496 &:= (3 + 8 + 167 + 09 + 249 + 6)^4 \\
&:= (381 + 6 + 7 + 09 + 24 + 9 + 6)^4 = (38 + 1 + 6 - 7 - 092 + 496)^4 \\
&= (381 + 67 - 09 + 2 + 4 - 9 + 6)^4 \\
&= (3 - 8 - 1 - 6 + 709 - 249 - 6)^4.
\end{aligned}$$

$$\begin{aligned}
39213900625 &:= (39 + 2 + 1 + 390 + 06 + 2 + 5)^4 \\
&:= (392 + 1 + 39 + 006 + 2 + 5)^4 \\
&:= (392 + 13 + 9 + 006 + 25)^4 = (392 - 13 + 9 + 0062 - 5)^4 \\
&= (-39 - 2 - 139 + 00625)^4.
\end{aligned}$$

$$\begin{aligned}
40282095616 &:= (4 + 0282 + 095 + 61 + 6)^4 \\
&:= (402 + 8 + 2 + 09 + 5 + 6 + 16)^4 = (402 + 8 - 2 + 095 - 61 + 6)^4 \\
&= (40 - 2 + 8 - 209 - 5 + 616)^4.
\end{aligned}$$

$$\begin{aligned}
41371966801 &:= (413 + 7 + 1 + 9 + 6 + 6 + 8 + 01)^4 = (4 - 137 + 1 - 96 + 680 - 1)^4 \\
&= (413 - 71 + 96 + 6 + 8 - 01)^4.
\end{aligned}$$

$$\begin{aligned}
42483805456 &:= (4 + 2 + 4 + 8 + 380 + 5 + 45 + 6)^4 \\
&:= (4 + 2 + 48 + 380 + 5 + 4 + 5 + 6)^4 \\
&:= (42 + 4 + 8 + 380 + 5 + 4 + 5 + 6)^4 = (4 - 2 + 4 - 83 + 80 - 5 + 456)^4 \\
&= (424 + 8 - 3 + 80 - 54 + 5 - 6)^4.
\end{aligned}$$

$$\begin{aligned}
43204003424 &:= (4 + 32 + 040 + 034 + 24)^5 \\
&:= (43 + 2 + 040 + 03 + 42 + 4)^5 \\
&= (43 + 20 + 40 + 03 + 4 + 24)^5 = (432 + 040 - 0342 + 4)^5.
\end{aligned}$$

$$\begin{aligned}
43617904801 &:= (4 + 361 + 79 + 04 + 8 + 01)^4 \\
&:= (43 + 6 + 17 - 90 + 480 + 1)^4 = (4 + 361 + 7 + 90 + 4 - 8 - 01)^4 \\
&= (436 + 17 + 9 + 04 - 8 - 01)^4.
\end{aligned}$$

$$\begin{aligned}
44386483761 &:= (4 + 4 + 386 + 48 + 3 + 7 + 6 + 1)^4 \\
&:= (44 + 386 + 4 + 8 + 3 + 7 + 6 + 1)^4 = (4 + 4 + 386 - 4 + 83 - 7 - 6 - 1)^4 \\
&= (4 + 438 + 6 - 4 + 83 - 7 - 61)^4 \\
&= (443 - 86 - 4 + 8 + 37 + 61)^4.
\end{aligned}$$

$$\begin{aligned}
44840334375 &:= (4 + 4 + 8 + 4 + 03 + 34 + 3 + 75)^5 \\
&:= (4 + 4 + 8 + 4 + 033 + 4 + 3 + 75)^5 \\
&:= (4 + 4 + 8 + 40 + 3 + 34 + 37 + 5)^5 \\
&:= (4 + 4 + 8 + 40 + 33 + 4 + 37 + 5)^5 \\
&:= (4 + 48 + 4 + 03 + 34 + 37 + 5)^5 \\
&:= (4 + 48 + 4 + 033 + 4 + 37 + 5)^5 = (4 + 4 - 8 + 403 - 343 + 75)^5 \\
&= (44 + 8 + 4 + 03 + 34 + 37 + 5)^5 \\
&= (44 + 8 + 4 + 033 + 4 + 37 + 5)^5 \\
&= (44 + 8 + 40 - 33 + 4 - 3 + 75)^5.
\end{aligned}$$

$$\begin{aligned}
46525874176 &:= (4 + 6 + 5 + 2 + 5 + 87 + 4 + 17 + 6)^5 \\
&:= (4 + 6 + 5 + 2 + 58 + 7 + 41 + 7 + 6)^5 \\
&:= (4 + 6 + 5 + 25 + 8 + 7 + 4 + 1 + 76)^5 \\
&:= (4 + 6 + 5 + 25 + 8 + 74 + 1 + 7 + 6)^5 \\
&:= (4 + 6 + 52 + 5 + 8 + 7 + 41 + 7 + 6)^5 \\
&:= (4 + 65 + 25 + 8 + 7 + 4 + 17 + 6)^5 \\
&:= (46 + 5 + 2 + 58 + 7 + 4 + 1 + 7 + 6)^5 \\
&:= (46 + 52 + 5 + 8 + 7 + 4 + 1 + 7 + 6)^5 = (4 + 65 - 2 + 58 + 7 + 4 + 1 - 7 + 6)^5 \\
&= (46 + 5 + 258 + 7 - 4 - 176)^5 \\
&= (46 - 5 + 2 - 58 + 74 + 1 + 76)^5 \\
&= (4 - 65 + 258 - 7 - 41 - 7 - 6)^5.
\end{aligned}$$

$$\begin{aligned}
47156728336 &:= (4 + 7 + 156 + 7 + 283 + 3 + 6)^4 \\
&:= (4 + 71 + 5 + 67 + 283 + 36)^4 \\
&:= (47 + 1 + 5 + 67 + 2 + 8 + 336)^4 = (4 - 71 + 567 - 28 + 3 - 3 - 6)^4 \\
&= (471 - 5 - 67 + 28 + 3 + 36)^4.
\end{aligned}$$

$$\begin{aligned}
47359345032 &:= (4 + 7 + 3593 + 4 + 5 + 03 + 2)^3 \\
&:= (4 + 73 + 59 + 3450 + 32)^3 = (47 + 3593 - 4 - 50 + 32)^3.
\end{aligned}$$

$$\begin{aligned}
47971512576 &:= (4 + 79 + 71 + 51 + 257 + 6)^4 = (47 - 9 + 7 - 151 - 2 + 576)^4 \\
&= (4 - 7 - 97 - 1 + 5 - 12 + 576)^4 \\
&= (479 - 7 - 15 - 1 + 25 - 7 - 6)^4.
\end{aligned}$$

$$\begin{aligned}
48382841521 &:= (4 + 8 + 3 + 8 + 2 + 8 + 415 + 21)^4 \\
&:= (4 + 8 + 3 + 8 + 28 + 415 + 2 + 1)^4 \\
&:= (4 + 8 + 382 + 8 + 41 + 5 + 21)^4 \\
&:= (48 + 382 + 8 + 4 + 1 + 5 + 21)^4 = (4 + 8 - 3 + 8 - 28 - 41 + 521)^4 \\
&= (48 + 3 - 8 + 2 + 8 + 415 + 2 - 1)^4 \\
&= (48 + 382 - 8 + 41 + 5 + 2 - 1)^4 \\
&= (483 + 82 - 84 - 15 + 2 + 1)^4.
\end{aligned}$$

$$\begin{aligned}
49108313528 &:= (4 + 91 + 08 + 31 + 3528)^3 \\
&:= (49 + 1 + 083 + 1 + 3528)^3 = (4 - 9 + 108 + 31 + 3528)^3 \\
&= (491 + 08 + 3135 + 28)^3.
\end{aligned}$$

$$51312965696 := (5 + 1 + 3129 + 6 + 569 + 6)^3 = (51 + 3 + 1 + 2965 + 696)^3.$$

$$51395862232 := (-5 + 1 + 3958 - 6 + 2 - 232)^3 = (5 + 1395 + 86 + 2232)^3.$$

$$\begin{aligned}
52204938256 &:= (5 + 2 + 20 + 4 + 9 + 382 + 56)^4 \\
&:= (5 + 22 + 04 + 9 + 382 + 56)^4 \\
&:= (52 + 20 + 4 + 9 + 382 + 5 + 6)^4 = (522 + 04 + 9 - 38 - 25 + 6)^4 \\
&= (-5 - 2 - 2 + 049 + 382 + 56)^4 \\
&= (-52 - 2 + 0493 + 8 + 25 + 6)^4.
\end{aligned}$$

$$\begin{aligned}
52523350144 &:= (5 + 2 + 5 + 2 + 3 + 3 + 5 + 01 + 4 + 4)^7 = (5 + 2 + 523 - 3 - 501 + 4 + 4)^7 \\
&= (525 + 2 - 3 + 3 - 501 + 4 + 4)^7 \\
&= (52 - 5 - 23 - 35 + 01 + 44)^7.
\end{aligned}$$

$$52523718625 := (5 + 2 + 5 + 2 + 3718 + 6 + 2 + 5)^3 = (5 + 25 - 2 + 3718 + 6 - 2 - 5)^3.$$

$$\begin{aligned}
53527912321 &:= (5 + 3 + 52 + 7 + 91 + 2 + 321)^4 \\
&:= (5 + 35 + 27 + 91 + 2 + 321)^4 \\
&:= (5 + 352 + 7 + 91 + 2 + 3 + 21)^4 \\
&:= (5 + 352 + 7 + 91 + 23 + 2 + 1)^4 \\
&:= (5 + 352 + 79 + 1 + 23 + 21)^4 \\
&:= (5 + 352 + 79 + 12 + 32 + 1)^4 \\
&:= (53 + 5 + 2 + 7 + 91 + 2 + 321)^4 \\
&:= (53 + 5 + 279 + 123 + 21)^4 = (5 + 3 + 527 - 9 - 1 - 23 - 21)^4 \\
&= (53 + 527 - 91 - 2 - 3 - 2 - 1)^4 \\
&= (535 + 279 - 12 - 321)^4.
\end{aligned}$$

$$\begin{aligned}
54875873536 &:= (5 + 48 + 7 + 58 + 7 + 353 + 6)^4 = (5 + 4 + 8 + 7 + 5 - 8 - 73 + 536)^4 \\
&= (54 + 87 + 5 + 8 - 73 - 53 - 6)^8 \\
&= (54 + 87 - 5 + 8 - 7 + 353 - 6)^4 \\
&= (5 - 4 + 8 - 758 + 735 + 36)^8 \\
&= (548 + 7 + 5 - 87 + 3 + 5 - 3 + 6)^4 \\
&= (548 + 75 + 8 - 73 - 536)^8.
\end{aligned}$$

$$55132330616 := (551 + 3233 + 06 + 16)^3 = (5 + 513 - 2 + 3306 - 16)^3.$$

$$\begin{aligned}
56249134561 &:= (5 + 6 + 2 + 4 + 9 + 1 + 3 + 456 + 1)^4 \\
&:= (5 + 62 + 4 + 9 + 1 + 345 + 61)^4 &= (56 + 2 - 4 - 9 - 13 + 456 - 1)^4 \\
& &= (562 + 49 - 134 + 5 + 6 - 1)^4 \\
& &= (-56 - 2 - 49 - 1 + 34 + 561)^4.
\end{aligned}$$

$$\begin{aligned}
59072816401 &:= (59 + 07 + 2 + 8 + 16 + 401)^4 = (5 + 90 + 7 - 2 + 8 - 16 + 401)^4 \\
&= (590 - 7 + 2 - 81 - 6 - 4 - 01)^4.
\end{aligned}$$

$$\begin{aligned}
59797108943 &:= (5 + 9 + 7 + 9 + 7 + 1 + 08 + 94 + 3)^5 \\
&:= (5 + 9 + 7 + 9 + 7 + 10 + 89 + 4 + 3)^5 \\
&:= (5 + 9 + 7 + 97 + 1 + 08 + 9 + 4 + 3)^5 \\
&:= (5 + 97 + 9 + 7 + 1 + 08 + 9 + 4 + 3)^5 \\
&:= (5 + 97 + 97 - 108 + 9 + 43)^5 \\
&:= (59 + 7 + 9 + 7 + 1 + 08 + 9 + 43)^5 &= (59 - 7 + 9 - 7 - 10 + 8 + 94 - 3)^5 \\
& &= (59 - 797 - 10 + 894 - 3)^5.
\end{aligned}$$

$$\begin{aligned}
60037250625 &:= (6 + 00372 + 50 + 62 + 5)^4 \\
&:= (60 + 0372 + 50 + 6 + 2 + 5)^4 = (6 + 003 + 7 - 2 + 506 - 25)^4 \\
& &= (600 + 3 - 72 - 5 - 06 - 25)^4 \\
& &= (-60 - 03 - 72 + 5 + 0625)^4.
\end{aligned}$$

$$\begin{aligned}
61917364224 &:= (6 + 1 + 9 + 1 + 73 + 6 + 42 + 2 + 4)^5 \\
&:= (6 + 1 + 91 + 7 + 3 + 6 + 4 + 2 + 24)^5 \\
&:= (6 + 1 + 91 + 7 + 3 + 6 + 4 + 22 + 4)^5 \\
&:= (6 + 19 + 17 + 36 + 42 + 24)^5 \\
&:= (61 + 9 + 1 + 7 + 36 + 4 + 2 + 24)^5 \\
&:= (61 + 9 + 1 + 7 + 36 + 4 + 22 + 4)^5 \\
&:= (61 + 9 + 17 + 3 + 6 + 42 + 2 + 4)^5 &= (61 + 9 + 17 - 3 - 6 + 42 + 24)^5 \\
& &= (619 + 173 - 642 - 2 - 4)^5 \\
& &= (61 - 9 - 1 + 73 - 6 + 4 - 2 + 24)^5 \\
& &= (6 - 1 - 91 - 7 + 3 + 6 + 4 + 224)^5.
\end{aligned}$$

$$\begin{aligned}
62523502209 &:= (6 + 2 + 5 + 2 + 35 + 02 + 2 + 09)^6 \\
&:= (6 + 252 + 3502 + 209)^3 &= (6 - 25 + 23 + 50 - 2 + 20 - 9)^6 \\
& &= (62 - 5 + 235 - 0220 - 9)^6 \\
& &= (-625 - 23 + 502 + 209)^6.
\end{aligned}$$

$$\begin{aligned}
64097340625 &:= (6 + 4 + 09 + 73 + 40 + 6 + 2 + 5)^5 \\
&:= (6 + 4 + 097 + 3 + 4 + 06 + 25)^5 \\
&:= (6 + 40 + 9 + 73 + 4 + 06 + 2 + 5)^5 \\
&:= (64 + 09 + 7 + 34 + 06 + 25)^5 &= (640 + 9 - 73 - 406 - 25)^5 \\
& &= (64 - 09 + 73 - 40 + 62 - 5)^5 \\
& &= (6 - 409 - 73 - 4 + 0625)^5.
\end{aligned}$$

$$64192192064 := (6 + 4 + 1921 + 9 + 2064)^3 = (6 + 4192 - 192 - 06 + 4)^3.$$

$$\begin{aligned}
64524128256 &:= (6 + 45 + 2 + 412 + 8 + 25 + 6)^4 \\
&:= (6 + 452 + 4 + 1 + 2 + 8 + 25 + 6)^4 \\
&:= (6 + 452 + 4 + 1 + 28 + 2 + 5 + 6)^4 \\
&:= (64 + 5 + 2 + 412 + 8 + 2 + 5 + 6)^4 \\
&:= (64 + 52 + 4 + 128 + 256)^4 &= (6 + 4 + 524 + 1 - 28 - 2 + 5 - 6)^4 \\
& &= (64 + 524 - 1 - 2 - 82 - 5 + 6)^4 \\
& &= (645 + 2 + 4 - 128 - 25 + 6)^4.
\end{aligned}$$

$$\begin{aligned}
65037750625 &:= (6 + 5 + 0377 + 50 + 62 + 5)^4 \\
&:= (6 + 50 + 377 + 5 + 062 + 5)^4 \\
&:= (65 + 0377 + 50 + 6 + 2 + 5)^4 = (6 + 503 - 7 + 7 + 5 - 06 + 2 - 5)^4 \\
& &= (-6 - 50 + 3 + 77 + 506 - 25)^4.
\end{aligned}$$

$$\begin{aligned}
65939264000 &:= (6 + 5 + 9 + 3 + 9 + 2 + 6 + 4000)^3 \\
&:= (65 + 9 + 3926 + 40 + 00)^3 &= (6 + 5 + 9 + 3 - 9 + 26 + 4000)^3 \\
& &= (65 - 9 - 3 - 9 + 2 - 6 + 4000)^3.
\end{aligned}$$

$$\begin{aligned}
66597028096 &:= (66 + 59 + 7 + 0280 + 96)^4 = (6 + 65 - 9 + 70 + 280 + 96)^4 \\
& &= (665 - 970 - 2 + 809 + 6)^4.
\end{aligned}$$

$$\begin{aligned}
68184176641 &:= (6 + 8 + 1 + 8 + 417 + 6 + 64 + 1)^4 \\
&:= (6 + 8 + 1 + 8 + 417 + 66 + 4 + 1)^4 \\
&:= (68 + 1 + 8 + 417 + 6 + 6 + 4 + 1)^4 = (6 + 81 - 8 + 417 + 6 + 6 + 4 - 1)^4 \\
& &= (68 - 18 - 4 - 176 + 641)^4 \\
& &= (681 - 84 - 17 - 6 - 64 + 1)^4.
\end{aligned}$$

$$\begin{aligned}
68719476736 &:= (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6 = (-687 + 19 + 4767 + 3 - 6)^3 \\
& &= (6 + 87 + 1 + 9 + 476 - 73 + 6)^4 \\
& &= (68 + 7 - 1 - 9 + 476 + 7 - 36)^4 \\
& &= (687 - 1 - 94 - 7 + 6 - 73 - 6)^4.
\end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6 = (6 + 87 + 19 - 4 - 7 + 6 - 7 - 36)^6 \\ &= (68 + 7 + 1 - 9 - 4 - 7 + 6 - 7 + 3 + 6)^6 \\ &= (68 + 71 + 9 - 47 + 6 - 7 - 36)^6. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6 = (6 + 87 + 1 - 9 - 47 - 6 - 7 - 3 - 6)^9 \\ &= (68 + 7 + 19 - 47 - 67 + 36)^9 \\ &= (687 + 19 - 4 - 7 - 673 - 6)^9. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6 = (6 + 8 - 7 - 19 + 4 - 7 - 6 - 7 + 36)^{12} \\ &= (6 + 87 - 1 - 9 - 4 - 7 - 67 - 3 + 6)^{12} \\ &= (68 - 71 - 94 + 76 - 7 + 36)^{12}. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6 = (6 + 87 - 194 + 76 - 7 + 36)^{18} \\ &= (68 + 7 + 1 + 9 - 4 - 7 - 67 + 3 - 6)^{18} \\ &= (687 - 19 - 4 + 76 - 736)^{18}. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6 = (6 + 87 + 1 + 9 + 4 - 76 + 7 - 36)^{36} \\ &= (687 + 1 + 9 + 47 - 6 - 736)^{36} \\ &= (68 - 71 - 9 - 47 - 6 + 73 - 6)^{36}. \end{aligned}$$

$$69072400727 := (6 + 9 + 072 + 4007 + 2 + 7)^3 = (6 - 9 + 072 + 4007 + 27)^3.$$

$$\begin{aligned} 69257922561 &:= (6 + 9 + 257 + 9 + 225 + 6 + 1)^4 = (6 + 92 + 579 - 225 + 61)^4 \\ &= (692 - 5 + 79 + 2 - 256 + 1)^4 \\ &= (6 - 9 - 25 - 7 + 9 - 22 + 561)^4 \\ &= (692 - 57 - 92 - 25 - 6 + 1)^4. \end{aligned}$$

$$\begin{aligned} 69799526416 &:= (6 + 9 + 7 + 9 + 9 + 52 + 6 + 416)^4 \\ &:= (69 + 79 + 95 + 264 + 1 + 6)^4 = (6 + 979 - 9 - 52 + 6 - 416)^4 \\ &= (69 - 79 + 9 + 526 - 4 - 1 - 6)^4 \\ &= (697 - 9 + 95 - 264 + 1 - 6)^4. \end{aligned}$$

$$\begin{aligned} 71443409521 &:= (7 + 1 + 4 + 43 + 409 + 52 + 1)^4 \\ &:= (7 + 1 + 44 + 3 + 409 + 52 + 1)^4 \\ &:= (7 + 1 + 443 + 4 + 09 + 52 + 1)^4 \\ &:= (7 + 14 + 434 + 09 + 52 + 1)^4 \\ &:= (71 + 4 + 4 + 3 + 409 + 5 + 21)^4 \\ &:= (71 + 4 + 4 + 340 + 95 + 2 + 1)^4 \\ &:= (71 + 44 + 340 + 9 + 52 + 1)^4 = (71 + 443 - 4 - 09 - 5 + 21)^4 \\ &= (7 - 1 - 4 + 43 - 40 - 9 + 521)^4. \end{aligned}$$

$$\begin{aligned} 72407429632 &:= (72 + 4074 + 2 + 9 + 6 + 3 + 2)^3 = (72 + 4074 + 29 - 6 - 3 + 2)^3 \\ &= (7 - 2 + 4074 - 2 + 96 - 3 - 2)^3. \end{aligned}$$

$$\begin{aligned} 74247530256 &:= (7 + 4 + 2 + 475 + 3 + 025 + 6)^4 \\ &:= (7 + 4 + 247 + 5 + 3 + 0256)^4 \\ &:= (7 + 424 + 7 + 53 + 025 + 6)^4 \\ &:= (7 + 424 + 75 + 3 + 02 + 5 + 6)^4 = (7 + 424 + 75 - 3 + 025 - 6)^4 \\ &= (74 + 2 + 475 - 30 + 2 + 5 - 6)^4 \\ &= (742 + 4 + 7 - 5 + 30 - 256)^4. \end{aligned}$$

$$\begin{aligned} 74818113841 &:= (7 + 48 + 1 + 81 + 1 + 384 + 1)^4 \\ &:= (7 + 481 + 8 + 1 + 13 + 8 + 4 + 1)^4 \\ &:= (7 + 481 + 8 + 11 + 3 + 8 + 4 + 1)^4 = (7 + 481 + 81 - 13 + 8 - 41)^4 \\ &= (748 - 181 - 1 - 38 - 4 - 1)^4. \end{aligned}$$

$$\begin{aligned} 77199941512 &:= (7 + 71 + 9 + 9 + 9 + 4151 + 2)^3 \\ &:= (77 + 1 + 9 + 9 + 9 + 4151 + 2)^3 = (7 + 7 + 1 + 99 - 9 + 4151 + 2)^3. \end{aligned}$$

$$79502005521 := (7 + 9 + 502 + 005 + 5 + 2 + 1)^4 = (7 - 9 + 502 + 005 + 5 + 21)^4.$$

$$\begin{aligned} 80102584576 &:= (8 + 01 + 02 + 58 + 457 + 6)^4 = (8 + 01 + 02 + 584 - 57 - 6)^4 \\ &= (80 - 10 + 2 + 5 - 8 + 457 + 6)^4. \end{aligned}$$

$$\begin{aligned} 81136812032 &:= (8 + 1 + 1 + 3 + 6 + 8 + 120 + 3 + 2)^5 \\ &:= (8 + 1 + 1 + 3 + 6 + 81 + 20 + 32)^5 \\ &:= (8 + 1 + 1 + 36 + 81 + 20 + 3 + 2)^5 \\ &:= (8 + 113 + 6 + 8 + 12 + 03 + 2)^5 \\ &:= (8 + 113 + 6 - 8 - 1 + 2 + 032)^5 \\ &:= (81 + 1 + 3 + 6 + 8 + 1 + 20 + 32)^5 \\ &:= (81 + 1 + 36 + 8 + 1 + 20 + 3 + 2)^5 \\ &:= (81 + 13 + 6 + 8 + 12 + 032)^5 = (811 + 3 - 681 + 20 - 3 + 2)^5 \\ &= (81 - 13 + 68 + 1 + 20 - 3 - 2)^5. \end{aligned}$$

$$\begin{aligned} 81924750625 &:= (8 + 19 + 2 + 475 + 06 + 25)^4 = (8 + 1 + 92 - 47 + 506 - 25)^4 \\ &= (819 + 247 - 506 - 25)^4 \\ &= (81 - 92 - 4 - 75 + 0625)^4. \end{aligned}$$

$$\begin{aligned} 83625443117 &:= (8 + 36 + 2 + 5 + 4 + 4311 + 7)^3 = (8 - 3 - 6 + 2 + 54 + 4311 + 7)^3 \\ &= (8 - 3 - 62 + 5 + 4431 + 1 - 7)^3. \end{aligned}$$

$$\begin{aligned} 83777829136 &:= (83 + 77 + 78 + 291 + 3 + 6)^4 = (-8 + 377 - 7 + 82 + 91 - 3 + 6)^4 \\ &= (8377 - 7829 - 1 - 3 - 6)^4. \end{aligned}$$

$$\begin{aligned} 83841135993 &:= (8 + 3 + 8 + 4 + 11 + 35 - 9 + 93)^5 \\ &:= (8 + 3 + 84 + 1 + 1 + 35 + 9 + 9 + 3)^5 \\ &:= (83 + 8 + 4 + 1 + 1 + 35 + 9 + 9 + 3)^5 = (83 + 8 + 41 - 13 - 59 + 93)^5 \\ &= (-838 + 4 + 1 + 1 - 3 - 5 + 993)^5. \end{aligned}$$

$$\begin{aligned} 86617093024 &:= (8 + 6 + 6 + 1 + 70 + 9 + 30 + 24)^5 \\ &:= (8 + 6 + 6 + 17 + 093 + 024)^5 \\ &:= (8 + 66 + 17 + 09 + 30 + 24)^5 \\ &:= (86 + 6 + 17 + 09 + 30 + 2 + 4)^5 = (8 + 6 + 6 + 170 - 9 - 3 - 024)^5 \\ &= (86 + 61 + 70 - 9 - 30 - 24)^5 \\ &= (86 - 6 - 17 + 093 + 02 - 4)^5. \end{aligned}$$

$$87824421125 := (878 + 2442 + 1125)^3 = (8 - 7 + 8 - 2 + 4421 + 12 + 5)^3.$$

$$\begin{aligned} 87943022623 &:= (8 + 794 + 3022 + 623)^3 \\ &:= (87 + 9 + 4302 + 26 + 23)^3 = (87 - 9 + 4302 + 2 + 62 + 3)^3. \end{aligned}$$

$$\begin{aligned} 89434562048 &:= (8 + 9 + 4345 + 62 + 048)^3 \\ &:= (89 + 4345 + 6 + 20 + 4 + 8)^3 = (-8 + 9 - 43 + 4562 - 048)^3. \end{aligned}$$

$$\begin{aligned} 89526025681 &:= (8 + 9 + 5 + 260 + 256 + 8 + 1)^4 = (8 + 9 + 526 + 02 + 5 + 6 - 8 - 1)^4 \\ &= (-8 + 952 - 60 - 256 - 81)^4 \\ &= (89 - 52 + 602 - 5 - 6 - 81)^4. \end{aligned}$$

$$92982304900 := (9 + 2 + 9 + 8 + 2 + 304900)^2 = (-9 + 29 + 8 + 2 + 304900)^2.$$

$$\begin{aligned} 93519144481 &:= (9 + 3 + 5 + 1 + 9 + 1 + 44 + 481)^4 \\ &:= (9 + 3 + 5 + 1 + 9 + 1 + 444 + 81)^4 \\ &:= (9 + 3 + 519 + 1 + 4 + 4 + 4 + 8 + 1)^4 \\ &:= (9 + 35 + 1 + 9 + 14 + 4 + 481)^4 \\ &:= (9 + 35 + 19 + 1 + 4 + 4 + 481)^4 = (9 + 3 + 51 - 9 + 14 + 4 + 481)^4 \\ &= (93 + 5 + 1 + 91 + 444 - 81)^4 \\ &= (-9 - 3 - 51 - 9 + 144 + 481)^4. \end{aligned}$$

$$\begin{aligned} 94445023464 &:= (9 + 4 + 4450 + 23 + 4 + 64)^3 \\ &:= (9 + 4445 + 02 + 34 + 64)^3 = (9 + 44 + 4502 - 3 + 4 - 6 + 4)^3 \\ &= (-9 - 4 + 4 + 4 + 5023 - 464)^3. \end{aligned}$$

$$\begin{aligned} 95565066496 &:= (9 + 5 + 5 + 6 + 506 + 6 + 4 + 9 + 6)^4 = (9 + 5 + 565 - 06 - 6 + 4 - 9 - 6)^4 \\ &= (9 + 556 + 50 - 66 + 4 + 9 - 6)^4 \\ &= (9 - 55 - 65 + 0664 + 9 - 6)^4. \end{aligned}$$

$$\begin{aligned} 96947540496 &:= (9 + 6 + 9 + 475 + 4 + 049 + 6)^4 \\ &:= (9 + 6 + 9 + 475 + 40 + 4 + 9 + 6)^4 = (9 + 6 + 94 + 7 - 54 + 0496)^4 \\ &= (96 + 947 - 540 + 49 + 6)^4. \end{aligned}$$

$$\begin{aligned} 97644375361 &:= (9 + 7 + 64 + 43 + 75 + 361)^4 \\ &:= (9 + 7 + 64 + 437 + 5 + 36 + 1)^4 \\ &:= (97 + 6 + 4 + 437 + 5 + 3 + 6 + 1)^4 \\ &:= (97 + 6 + 44 + 375 + 36 + 1)^4 = (9 + 7 + 6 - 4 - 4 + 3 + 7 + 536 - 1)^4 \\ &= (97 - 6 + 443 - 7 - 5 + 36 + 1)^4 \\ &= (976 - 44 - 375 - 3 + 6 - 1)^4. \end{aligned}$$

$$97844723712 := (9 + 78 + 4472 + 37 + 12)^3 = (-97 - 8 - 4 + 4723 - 7 - 1 + 2)^3.$$

$$\begin{aligned} 99757432336 &:= (9 + 97 + 5 + 7 + 432 + 3 + 3 + 6)^4 \\ &:= (99 + 7 + 5 + 7 + 432 + 3 + 3 + 6)^4 \\ &:= (99 + 75 + 7 + 43 + 2 + 336)^4 = (9 + 97 + 57 + 432 + 3 - 36)^4 \\ &= (99 + 75 + 74 + 323 - 3 - 6)^4 \\ &= (-99 + 757 - 432 + 336)^4. \end{aligned}$$

7 All Numbers

This section brings all numbers with 11 digits. Numbers up to 10 digits can be seen in authors previous work [17]. We have divided this section in two subsections, one on positive sign expressions and another on positive and negative signs.

7.1 Positive Sign

$$\begin{aligned} 10000000000 &:= (10 + 000000000)^{10}. \\ &:= (100 + 00000000)^5. \\ &:= (100000 + 00000)^2. \end{aligned}$$

$$\begin{aligned} 11019960576 &:= (1 + 1 + 0199 + 60 + 57 + 6)^4. \\ &:= (1 + 101 + 99 + 60 + 57 + 6)^4. \end{aligned}$$

$$11048532544 := (1 + 104853 + 254 + 4)^2.$$

$$11105365924 := (1 + 1 + 105365 + 9 + 2 + 4)^2.$$

$$11405819251 := (1 + 1405 + 819 + 25 + 1)^3.$$

$$10355301121 := (1 + 03 + 5 + 5 + 301 + 1 + 2 + 1)^4.$$

$$10460353203 := (1 + 04 + 6 + 03 + 5 + 3 + 2 + 03)^7.$$

$$10720765125 := (107 + 2076 + 5 + 12 + 5)^3.$$

$$10750371856 := (107 + 50 + 3 + 71 + 85 + 6)^4.$$

$$11574317056 := (1 + 1 + 57 + 43 + 170 + 56)^4.$$

$$10999394884 := (1 + 09993 + 94884)^2.$$

$$:= (1 + 157 + 43 + 1 + 70 + 56)^4.$$

$$11821188952 := (1 + 18 + 2118 + 89 + 52)^3.$$

$$:= (11 + 8 + 2118 + 89 + 52)^3.$$

$$11961853903 := (1196 + 185 + 3 + 903)^3.$$

$$12003612721 := (1 + 20 + 036 + 1 + 272 + 1)^4.$$

$$12214672127 := (1 + 22 + 146 + 7 + 2127)^3.$$

$$:= (1 + 2214 + 6 + 72 + 1 + 2 + 7)^3.$$

$$:= (1 + 2214 + 67 + 2 + 12 + 7)^3.$$

$$:= (122 + 1 + 46 + 7 + 2127)^3.$$

$$12230590464 := (1 + 2230 + 59 + 04 + 6 + 4)^3.$$

$$12246522625 := (1 + 2 + 24 + 6 + 5 + 2262 + 5)^3.$$

$$:= (1 + 22 + 4 + 6 + 5 + 2262 + 5)^3.$$

$$:= (1 + 2246 + 5 + 2 + 26 + 25)^3.$$

$$:= (1 + 2246 + 5 + 22 + 6 + 25)^3.$$

$$12296370321 := (1 + 2 + 296 + 3 + 7 + 03 + 21)^4.$$

$$:= (1 + 229 + 6 + 3 + 70 + 3 + 21)^4.$$

$$:= (1 + 229 + 63 + 7 + 032 + 1)^4.$$

$$12444741136 := (1 + 244 + 4 + 7 + 41 + 1 + 36)^4.$$

$$:= (1 + 244 + 4 + 74 + 1 + 1 + 3 + 6)^4.$$

$$:= (1 + 244 + 47 + 4 + 1 + 1 + 36)^4.$$

$$12503322161 := (125 + 03 + 32 + 2161)^3.$$

$$:= (125 + 033 + 2 + 2161)^3.$$

$$12519490248 := (125 + 1949 + 0248)^3.$$

$$12535672267 := (1 + 2 + 5 + 35 + 6 + 7 + 2267)^3.$$

$$12681938368 := (12 + 6 + 8 + 1938 + 368)^3.$$

$$12897917761 := (1 + 2 + 8 + 9 + 79 + 177 + 61)^4.$$

$$:= (1 + 2 + 8 + 97 + 91 + 77 + 61)^4.$$

$$:= (1 + 289 + 7 + 9 + 17 + 7 + 6 + 1)^4.$$

$$:= (12 + 89 + 7 + 91 + 77 + 61)^4.$$

$$:= (128 + 9 + 7 + 9 + 177 + 6 + 1)^4.$$

$$:= (128 + 97 + 91 + 7 + 7 + 6 + 1)^4.$$

$$13549359104 := (1354 + 935 + 91 + 04)^3.$$

$$13680577296 := (1 + 36 + 80 + 57 + 72 + 96)^4.$$

$$13680577296 := (13 + 6 + 8 + 05 + 7 + 7 + 296)^4.$$

$$13737779875 := (1 + 3 + 737 + 779 + 875)^3.$$

$$13769379649 := (1 + 37693 + 79649)^2.$$

$$13841287201 := (1 + 3 + 8 + 41 + 2 + 87 + 201)^4.$$

$$:= (1 + 3 + 8 + 41 + 287 + 2 + 01)^4.$$

$$:= (1 + 38 + 4 + 12 + 87 + 201)^4.$$

$$:= (138 + 4 + 128 + 72 + 01)^4.$$

$$14014952531 := (1401 + 4 + 952 + 53 + 1)^3.$$

$$14025517307 := (1 + 4 + 02 + 5 + 51 + 7 + 30 + 7)^5.$$

$$:= (1 + 4 + 02 + 55 + 1 + 7 + 30 + 7)^5.$$

$$:= (1 + 40 + 2 + 5 + 5 + 17 + 30 + 7)^5.$$

$$:= (14 + 02 + 5 + 5 + 1 + 73 + 07)^5.$$

$$:= (14 + 025 + 51 + 7 + 3 + 07)^5.$$

$$14049858997 := (1404 + 98 + 5 + 899 + 7)^3.$$

$$14331199589 := (14 + 331 + 1995 + 89)^3.$$

$$14331920656 := (1 + 4 + 3 + 319 + 2 + 06 + 5 + 6)^4.$$

$$:= (1 + 43 + 31 + 9 + 206 + 56)^4.$$

$$14491091672 := (1449 + 1 + 0916 + 72)^3.$$

$$14688124849 := (1468 + 8 + 124 + 849)^3.$$

$$14693280768 := (1 + 4 + 6 + 9 + 3 + 2 + 8 + 07 + 68)^5.$$

$$:= (1 + 4 + 69 + 3 + 2 + 8 + 07 + 6 + 8)^5.$$

$$:= (1 + 46 + 9 + 3 + 28 + 07 + 6 + 8)^5.$$

$$14835483601 := (148 + 3 + 54 + 83 + 60 + 1)^4.$$

$$14850655912 := (1485 + 06 + 55 + 912)^3.$$

$$14937972841 := (1 + 49379 + 72841)^2.$$

$$14977894625 := (1497 + 7 + 8 + 946 + 2 + 5)^3.$$

$$:= (1497 + 7 + 894 + 62 + 5)^3.$$

$$15142552424 := (1 + 5 + 14 + 25 + 5 + 2424)^3.$$

$$:= (15 + 1 + 4 + 25 + 5 + 2424)^3.$$

$$15179306176 := (1517 + 930 + 6 + 17 + 6)^3.$$

$$15308412587 := (1530 + 841 + 25 + 87)^3.$$

$$15352201216 := (153 + 52 + 20 + 121 + 6)^4.$$

$$\begin{aligned}
15386239549 &:= (1 + 5 + 3 + 8 + 6 + 23 + 9 + 5 + 49)^5. \\
&:= (1 + 5 + 3 + 8 + 62 + 3 + 9 + 5 + 4 + 9)^5. \\
&:= (1 + 5 + 38 + 6 + 2 + 39 + 5 + 4 + 9)^5. \\
&:= (15 + 3 + 8 + 6 + 2 + 3 + 9 + 54 + 9)^5. \\
&:= (15 + 38 + 6 + 23 + 9 + 5 + 4 + 9)^5.
\end{aligned}$$

$$\begin{aligned}
15882300625 &:= (1 + 5 + 8 + 8 + 2 + 300 + 6 + 25)^4. \\
&:= (1 + 5 + 88 + 230 + 06 + 25)^4.
\end{aligned}$$

$$\begin{aligned}
16155901952 &:= (16 + 1 + 559 + 01952)^3. \\
&:= (16 + 1559 + 01 + 952)^3.
\end{aligned}$$

$$16175081889 := (1617 + 5 + 0818 + 89)^3.$$

$$\begin{aligned}
16367716819 &:= (1636 + 7 + 71 + 6 + 819)^3. \\
16367716819 &:= (1636 + 77 + 1 + 6 + 819)^3.
\end{aligned}$$

$$16426010896 := (1 + 64 + 260 + 10 + 8 + 9 + 6)^4.$$

$$16542390592 := (1 + 6 + 54 + 2390 + 5 + 92)^3.$$

$$16679103875 := (1667 + 9 + 1 + 03 + 875)^3.$$

$$16698695616 := (1669 + 869 + 5 + 6 + 1 + 6)^3.$$

$$16855982144 := (1685 + 5 + 9 + 821 + 44)^3.$$

$$16913002500 := (16 + 9 + 130025 + 00)^2.$$

$$16983563041 := (169 + 83 + 5 + 63 + 041)^4.$$

$$17213481368 := (1721 + 34 + 813 + 6 + 8)^3.$$

$$17253512704 := (17 + 2535 + 1 + 27 + 04)^3.$$

$$17413177681 := (174 + 131776 + 8 + 1)^2.$$

$$17596287801 := (1759 + 6 + 28 + 7 + 801)^3.$$

$$17759152529 := (1 + 7 + 7 + 59 + 1 + 5 + 2529)^3.$$

$$17800025131 := (17 + 80 + 002513 + 1)^3.$$

$$18129265883 := (1 + 812 + 926 + 5 + 883)^3.$$

$$\begin{aligned}
18141126721 &:= (1 + 81 + 4 + 11 + 267 + 2 + 1)^4. \\
&:= (181 + 4 + 112 + 67 + 2 + 1)^4.
\end{aligned}$$

$$\begin{aligned}
18337088853 &:= (1833 + 708 + 8 + 85 + 3)^3. \\
&:= (1833 + 708 + 88 + 5 + 3)^3.
\end{aligned}$$

$$18525482136 := (1 + 85 + 2548 + 2 + 1 + 3 + 6)^3.$$

$$\begin{aligned}
18539817921 &:= (1 + 85 + 3 + 98 + 179 + 2 + 1)^4. \\
&:= (18 + 53 + 98 + 179 + 21)^4. \\
&:= (185 + 3 + 98 + 1 + 79 + 2 + 1)^4.
\end{aligned}$$

$$19076968448 := (1907 + 69 + 684 + 4 + 8)^3.$$

$$19486825371 := (1948 + 682 + 53 + 7 + 1)^3.$$

$$19614002500 := (19 + 6 + 140025 + 00)^2.$$

$$19902511000 := (199 + 02511 + 000)^3.$$

$$\begin{aligned}
19987173376 &:= (1 + 99 + 87 + 173 + 3 + 7 + 6)^4. \\
&:= (19 + 98 + 7 + 173 + 3 + 76)^4. \\
&:= (199 + 87 + 1 + 7 + 3 + 3 + 76)^4. \\
&:= (199 + 87 + 1 + 73 + 3 + 7 + 6)^4.
\end{aligned}$$

$$\begin{aligned}
20301732352 &:= (2 + 0301 + 73 + 2352)^3. \\
&:= (203 + 0173 + 2352)^3.
\end{aligned}$$

$$20408122449 := (20408 + 122449)^2.$$

$$20415837456 := (204 + 1 + 5 + 83 + 74 + 5 + 6)^4.$$

$$20601435024 := (20 + 6 + 0143502 + 4)^2.$$

$$20632736881 := (2 + 06 + 3 + 273 + 6 + 8 + 81)^4.$$

$$:= (2 + 06 + 3 + 273 + 6 + 88 + 1)^4.$$

$$:= (20 + 6 + 3 + 273 + 68 + 8 + 1)^4.$$

$$:= (20 + 6 + 327 + 3 + 6 + 8 + 8 + 1)^4.$$

$$:= (20 + 63 + 273 + 6 + 8 + 8 + 1)^4.$$

$$:= (206 + 3 + 2 + 73 + 6 + 8 + 81)^4.$$

$$:= (206 + 3 + 2 + 73 + 6 + 88 + 1)^4.$$

$$20683643625 := (2068 + 3 + 6 + 43 + 625)^3.$$

$$:= (2068 + 3 + 643 + 6 + 25)^3.$$

$$20706256936 := (2070 + 625 + 6 + 9 + 36)^3.$$

$$21003416576 := (2 + 1 + 003 + 41 + 6 + 57 + 6)^5.$$

$$:= (2 + 1 + 0034 + 1 + 65 + 7 + 6)^5.$$

$$:= (2 + 1 + 0034 + 16 + 57 + 6)^5.$$

$$:= (2 + 10 + 03 + 4 + 16 + 5 + 76)^5.$$

$$:= (2 + 10 + 034 + 1 + 6 + 57 + 6)^5.$$

$$:= (21 + 003 + 4 + 1 + 6 + 5 + 76)^5.$$

$$21293813776 := (2 + 129 + 38 + 137 + 76)^4.$$

$$:= (212 + 9 + 3 + 8 + 137 + 7 + 6)^4.$$

$$21508145541 := (2150 + 81 + 4 + 5 + 541)^3.$$

$$21531355768 := (2153 + 1 + 3 + 557 + 68)^3.$$

$$\begin{aligned}
21924480357 &:= (2 + 1 + 9 + 2 + 4 + 4 + 80 + 3 + 5 + 7)^5. \\
&:= (2 + 19 + 2 + 4 + 48 + 035 + 7)^5. \\
&:= (2 + 19 + 2 + 44 + 8 + 035 + 7)^5. \\
&:= (2 + 19 + 24 + 4 + 8 + 03 + 57)^5. \\
&:= (21 + 9 + 24 + 48 + 03 + 5 + 7)^5.
\end{aligned}$$

$$\begin{aligned}
21948126201 &:= (21948 + 126201)^2. \\
21970650625 &:= (219 + 70 + 65 + 06 + 25)^4. \\
22117051943 &:= (2211 + 70 + 519 + 4 + 3)^3. \\
22164361129 &:= (2 + 2164 + 3 + 611 + 29)^3.
\end{aligned}$$

$$\begin{aligned}
22354272513 &:= (2 + 23 + 54 + 2725 + 13)^3. \\
&:= (22 + 3 + 54 + 2725 + 13)^3. \\
&:= (223 + 54 + 27 + 2513)^3.
\end{aligned}$$

$$\begin{aligned}
22430753361 &:= (2 + 2 + 4 + 3 + 07 + 5 + 3 + 361)^4. \\
&:= (2 + 2 + 4 + 30 + 7 + 5 + 336 + 1)^4. \\
&:= (2 + 2 + 4 + 307 + 5 + 3 + 3 + 61)^4. \\
&:= (2 + 243 + 075 + 3 + 3 + 61)^4.
\end{aligned}$$

$$\begin{aligned}
22545265625 &:= (2 + 2545 + 265 + 6 + 2 + 5)^3. \\
22569215976 &:= (22 + 569 + 2159 + 76)^3.
\end{aligned}$$

$$\begin{aligned}
22663495936 &:= (2 + 2 + 6 + 6 + 349 + 5 + 9 + 3 + 6)^4. \\
&:= (2 + 266 + 3 + 4 + 9 + 5 + 93 + 6)^4. \\
&:= (2 + 266 + 3 + 4 + 95 + 9 + 3 + 6)^4. \\
&:= (2 + 266 + 3 + 49 + 59 + 3 + 6)^4. \\
&:= (226 + 6 + 3 + 49 + 5 + 93 + 6)^4. \\
&:= (226 + 63 + 49 + 5 + 9 + 36)^4.
\end{aligned}$$

$$\begin{aligned}
22785532875 &:= (2 + 2785 + 5 + 3 + 28 + 7 + 5)^3. \\
&:= (2278 + 5 + 532 + 8 + 7 + 5)^3.
\end{aligned}$$

$$\begin{aligned}
22809653056 &:= (2 + 2809 + 6 + 5 + 3 + 05 + 6)^3. \\
&:= (2280 + 9 + 6 + 530 + 5 + 6)^3.
\end{aligned}$$

$$\begin{aligned}
22877577568 &:= (2 + 2 + 8 + 7 + 7 + 5 + 7 + 7 + 5 + 68)^5. \\
23246731864 &:= (2 + 3 + 2467 + 318 + 64)^3. \\
23372600161 &:= (2 + 3 + 372 + 6 + 001 + 6 + 1)^4. \\
23467349647 &:= (2346 + 7 + 3 + 496 + 4 + 7)^3. \\
23887872000 &:= (2 + 3 + 88 + 787 + 2000)^3. \\
23912763841 &:= (23 + 9 + 1 + 2763 + 84 + 1)^3.
\end{aligned}$$

$$\begin{aligned}
24098215696 &:= (2 + 4 + 098 + 215 + 69 + 6)^4. \\
&:= (2 + 40 + 98 + 2 + 156 + 96)^4.
\end{aligned}$$

$$\begin{aligned}
24313388273 &:= (2431 + 3 + 388 + 2 + 73)^3. \\
24363778699 &:= (2436 + 377 + 8 + 69 + 9)^3.
\end{aligned}$$

$$\begin{aligned}
24591257856 &:= (24 + 5 + 91 + 257 + 8 + 5 + 6)^4. \\
&:= (245 + 9 + 1 + 2 + 5 + 78 + 56)^4.
\end{aligned}$$

$$\begin{aligned}
24769410875 &:= (2476 + 9 + 410 + 8 + 7 + 5)^3. \\
24794911296 &:= (2 + 4 + 7 + 9 + 4 + 9 + 1 + 1 + 2 + 9 + 6)^6. \\
24820429213 &:= (2482 + 0429 + 2 + 1 + 3)^3.
\end{aligned}$$

$$\begin{aligned}
24840596881 &:= (248 + 40 + 5 + 9 + 6 + 8 + 81)^4. \\
24840596881 &:= (248 + 40 + 5 + 9 + 6 + 88 + 1)^4.
\end{aligned}$$

$$\begin{aligned}
25282750375 &:= (25 + 2827 + 5 + 03 + 75)^3. \\
&:= (2528 + 27 + 5 + 0375)^3.
\end{aligned}$$

$$25934336000 := (2593 + 4 + 3 + 360 + 00)^3.$$

$$\begin{aligned}
26376683281 &:= (2 + 6 + 37 + 6 + 68 + 3 + 281)^4. \\
&:= (2 + 6 + 37 + 66 + 8 + 3 + 281)^4. \\
&:= (26 + 3 + 76 + 6 + 8 + 3 + 281)^4. \\
&:= (263 + 7 + 6 + 6 + 8 + 32 + 81)^4.
\end{aligned}$$

$$26754163489 := (2 + 67 + 5 + 4 + 163489)^2.$$

$$27162324216 := (2716 + 232 + 42 + 16)^3.$$

$$27189441343 := (2 + 718 + 944 + 1343)^3.$$

$$27512614111 := (2 + 7 + 5 + 1 + 2 + 6 + 1 + 4 + 1 + 1 + 1)^7.$$

$$27625773167 := (276 + 2577 + 3 + 167)^3.$$

$$\begin{aligned}
27982932961 &:= (2 + 7 + 9 + 8 + 293 + 29 + 61)^4. \\
&:= (2 + 7 + 9 + 82 + 9 + 3 + 296 + 1)^4. \\
&:= (27 + 9 + 8 + 29 + 329 + 6 + 1)^4. \\
&:= (27 + 9 + 8 + 293 + 2 + 9 + 61)^4. \\
&:= (279 + 8 + 29 + 3 + 29 + 61)^4. \\
&:= (279 + 82 + 9 + 3 + 29 + 6 + 1)^4.
\end{aligned}$$

$$28122197921 := (2 + 812 + 2197 + 9 + 21)^3.$$

$$:= (28 + 1 + 2219 + 792 + 1)^3.$$

$$:= (2812 + 2 + 197 + 9 + 21)^3.$$

$$28167580224 := (28 + 167580 + 224)^2.$$

$$28177720507 := (2817 + 7 + 7 + 205 + 07)^3.$$

$$\begin{aligned}
28813025536 &:= (2 + 8 + 8 + 1 + 302 + 55 + 36)^4. \\
&:= (2 + 8 + 8 + 130 + 255 + 3 + 6)^4. \\
&:= (2 + 8 + 81 + 30 + 255 + 36)^4. \\
&:= (2 + 8 + 81 + 302 + 5 + 5 + 3 + 6)^4. \\
&:= (2 + 88 + 1 + 30 + 255 + 36)^4. \\
&:= (2 + 88 + 1 + 302 + 5 + 5 + 3 + 6)^4. \\
&:= (288 + 1 + 30 + 2 + 55 + 36)^4.
\end{aligned}$$

$$\begin{aligned}
28934443000 &:= (2 + 8 + 9 + 3 + 4 + 44 + 3000)^3. \\
&:= (2 + 8 + 9 + 3 + 44 + 4 + 3000)^3.
\end{aligned}$$

$$\begin{aligned}
29132817533 &:= (2913 + 2 + 81 + 75 + 3 + 3)^3. \\
29161230552 &:= (2 + 9 + 1 + 6 + 1 + 2 + 3055 + 2)^3. \\
29189662039 &:= (2918 + 96 + 6 + 20 + 39)^3.
\end{aligned}$$

$$\begin{aligned}
29376588816 &:= (293 + 7 + 6 + 5 + 8 + 8 + 81 + 6)^4. \\
&:= (293 + 7 + 6 + 5 + 8 + 88 + 1 + 6)^4. \\
&:= (293 + 7 + 6 + 5 + 88 + 8 + 1 + 6)^4. \\
&:= (293 + 76 + 5 + 8 + 8 + 8 + 16)^4.
\end{aligned}$$

$$29389200056 := (2938 + 92 + 00056)^3.$$

$$\begin{aligned}
29417779503 &:= (2941 + 7 + 7 + 79 + 50 + 3)^3. \\
&:= (2941 + 7 + 77 + 9 + 50 + 3)^3. \\
&:= (2941 + 77 + 7 + 9 + 50 + 3)^3.
\end{aligned}$$

$$29647082375 := (2964 + 7 + 082 + 37 + 5)^3.$$

$$\begin{aligned}
29661450625 &:= (296 + 6 + 1 + 45 + 062 + 5)^4. \\
&:= (296 + 61 + 45 + 06 + 2 + 5)^4.
\end{aligned}$$

$$29675828736 := (2967 + 58 + 28 + 7 + 36)^3.$$

$$\begin{aligned}
29704593673 &:= (2970 + 4 + 5 + 9 + 36 + 73)^3. \\
&:= (2970 + 45 + 9 + 3 + 67 + 3)^3.
\end{aligned}$$

$$29869171929 := (29 + 869 + 171929)^2.$$

$$\begin{aligned}
29906468864 &:= (2990 + 6 + 4 + 6 + 8 + 86 + 4)^3. \\
&:= (2990 + 6 + 4 + 6 + 88 + 6 + 4)^3.
\end{aligned}$$

$$\begin{aligned}
29935382625 &:= (2993 + 5 + 38 + 2 + 62 + 5)^3. \\
&:= (2993 + 53 + 8 + 26 + 25)^3.
\end{aligned}$$

$$29964315016 := (2996 + 43 + 1 + 50 + 16)^3.$$

$$30167363897 := (3016 + 7 + 3 + 63 + 8 + 9 + 7)^3.$$

$$30167363897 := (3016 + 7 + 36 + 38 + 9 + 7)^3.$$

$$30429771848 := (3042 + 9 + 7 + 7 + 1 + 8 + 48)^3.$$

$$30517578125 := (3 + 05 + 1 + 7 + 5 + 78 + 1 + 25)^5.$$

$$:= (3 + 05 + 1 + 75 + 7 + 8 + 1 + 25)^5.$$

$$:= (3 + 05 + 17 + 5 + 7 + 81 + 2 + 5)^5.$$

$$:= (3 + 05 + 17 + 5 + 78 + 12 + 5)^5.$$

$$:= (30 + 5 + 1 + 7 + 57 + 8 + 12 + 5)^5.$$

$$:= (30 + 5 + 17 + 57 + 8 + 1 + 2 + 5)^5.$$

$$:= (30 + 51 + 7 + 5 + 7 + 8 + 12 + 5)^5.$$

$$30528476176 := (30 + 5 + 284 + 76 + 17 + 6)^4.$$

$$:= (30 + 52 + 84 + 76 + 176)^4.$$

$$:= (305 + 2 + 8 + 4 + 76 + 17 + 6)^4.$$

$$:= (305 + 2 + 84 + 7 + 6 + 1 + 7 + 6)^4.$$

$$:= (305 + 28 + 4 + 7 + 61 + 7 + 6)^4.$$

$$30693697091 := (3069 + 36 + 9 + 7 + 09 + 1)^3.$$

$$30723115968 := (3072 + 31 + 1 + 5 + 9 + 6 + 8)^3.$$

$$30752553637 := (3075 + 2 + 5 + 5 + 3 + 6 + 37)^3.$$

$$:= (3075 + 2 + 5 + 5 + 36 + 3 + 7)^3.$$

$$30988732221 := (30 + 9 + 8 + 873 + 2221)^3.$$

$$:= (3098 + 8 + 7 + 3 + 2 + 2 + 21)^3.$$

$$:= (3098 + 8 + 7 + 3 + 2 + 22 + 1)^3.$$

$$:= (3098 + 8 + 7 + 3 + 22 + 2 + 1)^3.$$

$$31018339288 := (3101 + 8 + 3 + 3 + 9 + 2 + 8 + 8)^3.$$

$$31255875000 := (3125 + 5 + 8 + 7 + 5 + 000)^3.$$

$$31414372081 := (31 + 4 + 1 + 4 + 372 + 08 + 1)^4.$$

$$31414372081 := (314 + 14 + 3 + 7 + 2 + 081)^4.$$

$$31524548679 := (3 + 15 + 2454 + 8 + 679)^3.$$

$$31757969376 := (3 + 1 + 7 + 5 + 7 + 9 + 6 + 9 + 3 + 76)^5.$$

$$:= (3 + 1 + 7 + 5 + 79 + 6 + 9 + 3 + 7 + 6)^5.$$

$$:= (3 + 1 + 75 + 7 + 9 + 6 + 9 + 3 + 7 + 6)^5.$$

$$:= (3 + 17 + 5 + 7 + 9 + 69 + 3 + 7 + 6)^5.$$

$$\begin{aligned} 32015587041 &:= (320 + 1 + 5 + 5 + 87 + 04 + 1)^4. \\ &:= (320 + 15 + 5 + 8 + 70 + 4 + 1)^4. \end{aligned}$$

$$32309356625 := (3 + 2 + 3093 + 56 + 6 + 25)^3.$$

$$\begin{aligned} 32319410176 &:= (3 + 231 + 9 + 4 + 1 + 0176)^4. \\ &:= (3 + 231 + 9 + 4 + 101 + 76)^4. \\ &:= (323 + 1 + 9 + 4 + 10 + 1 + 76)^4. \\ &:= (323 + 19 + 4 + 1 + 01 + 76)^4. \end{aligned}$$

$$32645273536 := (3 + 2645 + 2 + 7 + 3 + 536)^3.$$

$$\begin{aligned} 33038369407 &:= (3 + 3 + 03 + 8 + 3 + 6 + 94 + 07)^5. \\ &:= (3 + 3 + 038 + 3 + 69 + 4 + 07)^5. \\ &:= (3 + 30 + 3 + 8 + 3 + 69 + 4 + 07)^5. \\ &:= (3 + 30 + 38 + 36 + 9 + 4 + 07)^5. \\ &:= (33 + 03 + 8 + 3 + 69 + 4 + 07)^5. \\ &:= (33 + 038 + 36 + 9 + 4 + 07)^5. \end{aligned}$$

$$33058148761 := (33058 + 148761)^2.$$

$$33138024128 := (3 + 3138 + 02 + 41 + 28)^3.$$

$$33168984597 := (3 + 3168 + 9 + 8 + 4 + 5 + 9 + 7)^3.$$

$$\begin{aligned} 33243864241 &:= (3 + 3 + 2 + 4 + 386 + 4 + 24 + 1)^4. \\ &:= (3 + 3 + 24 + 386 + 4 + 2 + 4 + 1)^4. \\ &:= (3 + 324 + 3 + 8 + 6 + 42 + 41)^4. \\ &:= (3 + 324 + 3 + 8 + 64 + 24 + 1)^4. \\ &:= (3 + 324 + 3 + 86 + 4 + 2 + 4 + 1)^4. \\ &:= (332 + 4 + 38 + 6 + 4 + 2 + 41)^4. \\ &:= (332 + 4 + 38 + 6 + 42 + 4 + 1)^4. \end{aligned}$$

$$\begin{aligned} 33417362861 &:= (3 + 341 + 7 + 3 + 6 + 2861)^3. \\ &:= (334 + 17 + 3 + 6 + 2861)^3. \end{aligned}$$

$$\begin{aligned} 34188010000 &:= (3 + 418 + 8 + 01 + 0000)^4. \\ &:= (341 + 8 + 80 + 1 + 0000)^4. \\ &:= (341 + 88 + 01 + 0000)^4. \end{aligned}$$

$$\begin{aligned} 34828517376 &:= (3 + 4 + 8 + 28 + 5 + 1 + 7 + 376)^4. \\ &:= (3 + 48 + 285 + 17 + 3 + 76)^4. \\ &:= (348 + 2 + 8 + 51 + 7 + 3 + 7 + 6)^4. \\ &:= (348 + 28 + 5 + 1 + 7 + 37 + 6)^4. \end{aligned}$$

$$35010152100 := (35010 + 152100)^2.$$

$$\begin{aligned} 35152125121 &:= (3 + 5 + 152 + 1 + 251 + 21)^4. \\ &:= (35 + 152 + 125 + 121)^4. \end{aligned}$$

$$:= (351 + 5 + 2 + 1 + 2 + 51 + 21)^4.$$

$$:= (351 + 5 + 21 + 2 + 51 + 2 + 1)^4.$$

$$:= (351 + 52 + 1 + 2 + 5 + 1 + 21)^4.$$

$$:= (351 + 52 + 1 + 25 + 1 + 2 + 1)^4.$$

$$:= (351 + 52 + 12 + 5 + 12 + 1)^4.$$

$$\begin{aligned} 36136489216 &:= (3 + 61 + 3 + 64 + 89 + 216)^4. \\ &:= (36 + 1 + 364 + 8 + 9 + 2 + 16)^4. \end{aligned}$$

$$:= (361 + 3 + 6 + 48 + 9 + 2 + 1 + 6)^4.$$

$$:= (361 + 36 + 4 + 8 + 9 + 2 + 16)^4.$$

$$36297569231 := (36 + 2975 + 69 + 231)^3.$$

$$36959313691 := (36 + 9 + 59 + 3136 + 91)^3.$$

$$\begin{aligned} 37141383841 &:= (3 + 7 + 1 + 4 + 1 + 38 + 384 + 1)^4. \\ &:= (37 + 1 + 4 + 1 + 3 + 8 + 384 + 1)^4. \end{aligned}$$

$$:= (37 + 1 + 4 + 1 + 383 + 8 + 4 + 1)^4.$$

$$:= (371 + 4 + 1 + 3 + 8 + 3 + 8 + 41)^4.$$

$$:= (371 + 4 + 13 + 8 + 38 + 4 + 1)^4.$$

$$:= (371 + 41 + 3 + 8 + 3 + 8 + 4 + 1)^4.$$

$$37192810472 := (37 + 19 + 2810 + 472)^3.$$

$$37822859361 := (3 + 78 + 2 + 285 + 9 + 3 + 61)^4.$$

$$:= (378 + 2 + 2 + 8 + 5 + 9 + 36 + 1)^4.$$

$$38167092496 := (3 + 8 + 167 + 09 + 249 + 6)^4.$$

$$:= (381 + 6 + 7 + 09 + 24 + 9 + 6)^4.$$

$$39213900625 := (39 + 2 + 1 + 390 + 06 + 2 + 5)^4.$$

$$:= (392 + 1 + 39 + 006 + 2 + 5)^4.$$

$$:= (392 + 13 + 9 + 006 + 25)^4.$$

$$40282095616 := (4 + 0282 + 095 + 61 + 6)^4.$$

$$:= (402 + 8 + 2 + 09 + 5 + 6 + 16)^4.$$

$$40283058752 := (4 + 02830 + 587 + 5 + 2)^3.$$

$$40318322589 := (4 + 03 + 1 + 832 + 2589)^3.$$

$$:= (4 + 03183 + 225 + 8 + 9)^3.$$

$$41320319076 := (4 + 1 + 3 + 203190 + 76)^2.$$

$$41371966801 := (413 + 7 + 1 + 9 + 6 + 6 + 8 + 01)^4.$$

$$\begin{aligned}
42483805456 &:= (4 + 2 + 4 + 8 + 380 + 5 + 45 + 6)^4. \\
&:= (4 + 2 + 48 + 380 + 5 + 4 + 5 + 6)^4. \\
&:= (42 + 4 + 8 + 380 + 5 + 4 + 5 + 6)^4.
\end{aligned}$$

$$42948542008 := (4 + 2948 + 542 + 008)^3.$$

$$\begin{aligned}
43204003424 &:= (4 + 32 + 040 + 034 + 24)^5. \\
&:= (43 + 2 + 040 + 03 + 42 + 4)^5. \\
&:= (43 + 20 + 40 + 03 + 4 + 24)^5.
\end{aligned}$$

$$43280521831 := (4 + 3280 + 5 + 218 + 3 + 1)^3.$$

$$43470165025 := (43470 + 165025)^2.$$

$$43617904801 := (4 + 361 + 79 + 04 + 8 + 01)^4.$$

$$\begin{aligned}
44386483761 &:= (4 + 4 + 386 + 48 + 3 + 7 + 6 + 1)^4. \\
&:= (44 + 386 + 4 + 8 + 3 + 7 + 6 + 1)^4.
\end{aligned}$$

$$\begin{aligned}
44840334375 &:= (4 + 4 + 8 + 4 + 03 + 34 + 3 + 75)^5. \\
&:= (4 + 4 + 8 + 4 + 033 + 4 + 3 + 75)^5. \\
&:= (4 + 4 + 8 + 40 + 3 + 34 + 37 + 5)^5. \\
&:= (4 + 4 + 8 + 40 + 33 + 4 + 37 + 5)^5. \\
&:= (4 + 48 + 4 + 03 + 34 + 37 + 5)^5. \\
&:= (4 + 48 + 4 + 033 + 4 + 37 + 5)^5. \\
&:= (44 + 8 + 4 + 03 + 34 + 37 + 5)^5. \\
&:= (44 + 8 + 4 + 033 + 4 + 37 + 5)^5.
\end{aligned}$$

$$45652403224 := (45 + 65 + 240 + 3224)^3.$$

$$45959653368 := (45 + 95 + 9 + 65 + 3368)^3.$$

$$46345650688 := (4 + 6 + 3456 + 50 + 68 + 8)^3.$$

$$\begin{aligned}
46525874176 &:= (4 + 6 + 5 + 2 + 5 + 87 + 4 + 17 + 6)^5. \\
&:= (4 + 6 + 5 + 2 + 58 + 7 + 41 + 7 + 6)^5. \\
&:= (4 + 6 + 5 + 25 + 8 + 7 + 4 + 1 + 76)^5. \\
&:= (4 + 6 + 5 + 25 + 8 + 74 + 1 + 7 + 6)^5. \\
&:= (4 + 6 + 52 + 5 + 8 + 7 + 41 + 7 + 6)^5. \\
&:= (4 + 65 + 25 + 8 + 7 + 4 + 17 + 6)^5. \\
&:= (46 + 5 + 2 + 58 + 7 + 4 + 1 + 7 + 6)^5. \\
&:= (46 + 52 + 5 + 8 + 7 + 4 + 1 + 7 + 6)^5.
\end{aligned}$$

$$46582157241 := (46 + 58 + 215724 + 1)^2.$$

$$\begin{aligned}
47156728336 &:= (4 + 7 + 156 + 7 + 283 + 3 + 6)^4. \\
&:= (4 + 71 + 5 + 67 + 283 + 36)^4. \\
&:= (47 + 1 + 5 + 67 + 2 + 8 + 336)^4.
\end{aligned}$$

$$\begin{aligned}
47359345032 &:= (4 + 7 + 3593 + 4 + 5 + 03 + 2)^3. \\
&:= (4 + 73 + 59 + 3450 + 32)^3.
\end{aligned}$$

$$47753129152 := (477 + 5 + 3129 + 15 + 2)^3.$$

$$47971512576 := (4 + 79 + 71 + 51 + 257 + 6)^4.$$

$$\begin{aligned}
48382841521 &:= (4 + 8 + 3 + 8 + 2 + 8 + 415 + 21)^4. \\
&:= (4 + 8 + 3 + 8 + 28 + 415 + 2 + 1)^4. \\
&:= (4 + 8 + 382 + 8 + 41 + 5 + 21)^4. \\
&:= (48 + 382 + 8 + 4 + 1 + 5 + 21)^4.
\end{aligned}$$

$$49108313528 := (4 + 91 + 08 + 31 + 3528)^3.$$

$$:= (49 + 1 + 083 + 1 + 3528)^3.$$

$$:= (491 + 08 + 3135 + 28)^3.$$

$$49836032000 := (49 + 8 + 3603 + 20 + 00)^3.$$

$$50284268371 := (5 + 02842 + 6 + 837 + 1)^3.$$

$$50982270912 := (5 + 0982 + 2709 + 12)^3.$$

$$51312965696 := (5 + 1 + 3129 + 6 + 569 + 6)^3.$$

$$:= (51 + 3 + 1 + 2965 + 696)^3.$$

$$51395862232 := (5 + 1395 + 86 + 2232)^3.$$

$$51686703125 := (516 + 8 + 6 + 70 + 3125)^3.$$

$$52204938256 := (5 + 2 + 20 + 4 + 9 + 382 + 56)^4.$$

$$:= (5 + 22 + 04 + 9 + 382 + 56)^4.$$

$$:= (52 + 20 + 4 + 9 + 382 + 5 + 6)^4.$$

$$52523350144 := (5 + 2 + 5 + 2 + 3 + 3 + 5 + 01 + 4 + 4)^7.$$

$$52523718625 := (5 + 2 + 5 + 2 + 3718 + 6 + 2 + 5)^3.$$

$$52861038777 := (5 + 2861 + 03 + 877 + 7)^3.$$

$$53527912321 := (5 + 3 + 52 + 7 + 91 + 2 + 321)^4.$$

$$:= (5 + 35 + 27 + 91 + 2 + 321)^4.$$

$$:= (5 + 352 + 7 + 91 + 2 + 3 + 21)^4.$$

$$:= (5 + 352 + 7 + 91 + 23 + 2 + 1)^4.$$

$$:= (5 + 352 + 79 + 1 + 23 + 21)^4.$$

$$:= (5 + 352 + 79 + 12 + 32 + 1)^4.$$

$$:= (53 + 5 + 2 + 7 + 91 + 2 + 321)^4.$$

$$:= (53 + 5 + 279 + 123 + 21)^4.$$

$$54875873536 := (5 + 48 + 7 + 58 + 7 + 353 + 6)^4.$$

$$55132330616 := (551 + 3233 + 06 + 16)^3.$$

$$56249134561 := (5 + 6 + 2 + 4 + 9 + 1 + 3 + 456 + 1)^4.$$

$$:= (5 + 62 + 4 + 9 + 1 + 345 + 61)^4.$$

$$59072816401 := (59 + 07 + 2 + 8 + 16 + 401)^4.$$

$$59797108943 := (5 + 9 + 7 + 9 + 7 + 1 + 08 + 94 + 3)^5.$$

$$:= (5 + 9 + 7 + 9 + 7 + 10 + 89 + 4 + 3)^5.$$

$$:= (5 + 9 + 7 + 97 + 1 + 08 + 9 + 4 + 3)^5.$$

$$:= (5 + 97 + 9 + 7 + 1 + 08 + 9 + 4 + 3)^5.$$

$$:= (59 + 7 + 9 + 7 + 1 + 08 + 9 + 43)^5.$$

$$60037250625 := (6 + 00372 + 50 + 62 + 5)^4.$$

$$:= (60 + 0372 + 50 + 6 + 2 + 5)^4.$$

$$60837567237 := (60 + 8 + 3756 + 72 + 37)^3.$$

$$61917364224 := (6 + 1 + 9 + 1 + 73 + 6 + 42 + 2 + 4)^5.$$

$$:= (6 + 1 + 91 + 7 + 3 + 6 + 4 + 2 + 24)^5.$$

$$:= (6 + 1 + 91 + 7 + 3 + 6 + 4 + 22 + 4)^5.$$

$$:= (6 + 19 + 17 + 36 + 42 + 24)^5.$$

$$:= (61 + 9 + 1 + 7 + 36 + 4 + 2 + 24)^5.$$

$$:= (61 + 9 + 1 + 7 + 36 + 4 + 22 + 4)^5.$$

$$:= (61 + 9 + 17 + 3 + 6 + 42 + 2 + 4)^5.$$

$$62416028224 := (6 + 241602 + 8224)^2.$$

$$62523502209 := (6 + 2 + 5 + 2 + 35 + 02 + 2 + 09)^6.$$

$$:= (6 + 252 + 3502 + 209)^3.$$

$$64097340625 := (6 + 4 + 09 + 73 + 40 + 6 + 2 + 5)^5.$$

$$:= (6 + 4 + 097 + 3 + 4 + 06 + 25)^5.$$

$$:= (6 + 40 + 9 + 73 + 4 + 06 + 2 + 5)^5.$$

$$:= (64 + 09 + 7 + 34 + 06 + 25)^5.$$

$$64192192064 := (6 + 4 + 1921 + 9 + 2064)^3.$$

$$64524128256 := (6 + 45 + 2 + 412 + 8 + 25 + 6)^4.$$

$$:= (6 + 452 + 4 + 1 + 2 + 8 + 25 + 6)^4.$$

$$:= (6 + 452 + 4 + 1 + 28 + 2 + 5 + 6)^4.$$

$$:= (64 + 5 + 2 + 412 + 8 + 2 + 5 + 6)^4.$$

$$:= (64 + 52 + 4 + 128 + 256)^4.$$

$$65037750625 := (6 + 5 + 0377 + 50 + 62 + 5)^4.$$

$$:= (6 + 50 + 377 + 5 + 062 + 5)^4.$$

$$:= (65 + 0377 + 50 + 6 + 2 + 5)^4.$$

$$65597103937 := (6 + 5 + 5 + 9 + 71 + 03937)^3.$$

$$:= (65 + 5 + 9 + 7 + 10 + 3937)^3.$$

$$65939264000 := (6 + 5 + 9 + 3 + 9 + 2 + 6 + 4000)^3.$$

$$:= (65 + 9 + 3926 + 40 + 00)^3.$$

$$66597028096 := (66 + 59 + 7 + 0280 + 96)^4.$$

$$66824563112 := (66 + 824 + 56 + 3112)^3.$$

$$68184176641 := (6 + 8 + 1 + 8 + 417 + 6 + 64 + 1)^4.$$

$$:= (6 + 8 + 1 + 8 + 417 + 66 + 4 + 1)^4.$$

$$:= (68 + 1 + 8 + 417 + 6 + 6 + 4 + 1)^4.$$

$$68719476736 := (6 + 8 + 7 + 1 + 9 + 4 + 7 + 6 + 7 + 3 + 6)^6.$$

$$69072400727 := (6 + 9 + 072 + 4007 + 2 + 7)^3.$$

$$69173457625 := (6 + 9 + 1 + 7 + 3457 + 625)^3.$$

$$69257922561 := (6 + 9 + 257 + 9 + 225 + 6 + 1)^4.$$

$$69799526416 := (6 + 9 + 7 + 9 + 9 + 52 + 6 + 416)^4.$$

$$:= (69 + 79 + 95 + 264 + 1 + 6)^4.$$

$$70087408867 := (7 + 008 + 7 + 4088 + 6 + 7)^3.$$

$$71443409521 := (7 + 1 + 4 + 43 + 409 + 52 + 1)^4.$$

$$:= (7 + 1 + 44 + 3 + 409 + 52 + 1)^4.$$

$$:= (7 + 1 + 443 + 4 + 09 + 52 + 1)^4.$$

$$:= (7 + 14 + 434 + 09 + 52 + 1)^4.$$

$$:= (71 + 4 + 4 + 3 + 409 + 5 + 21)^4.$$

$$:= (71 + 4 + 4 + 340 + 95 + 2 + 1)^4.$$

$$:= (71 + 44 + 340 + 9 + 52 + 1)^4.$$

$$72407429632 := (72 + 4074 + 2 + 9 + 6 + 3 + 2)^3.$$

$$73770933384 := (73 + 770 + 9 + 3338 + 4)^3.$$

$$73823714875 := (7 + 382 + 3714 + 87 + 5)^3.$$

$$74247530256 := (7 + 4 + 2 + 475 + 3 + 025 + 6)^4.$$

$$:= (7 + 4 + 247 + 5 + 3 + 0256)^4.$$

$$:= (7 + 424 + 7 + 53 + 025 + 6)^4.$$

$$:= (7 + 424 + 75 + 3 + 02 + 5 + 6)^4.$$

$$74818113841 := (7 + 48 + 1 + 81 + 1 + 384 + 1)^4.$$

$$:= (7 + 481 + 8 + 1 + 13 + 8 + 4 + 1)^4.$$

$$:= (7 + 481 + 8 + 11 + 3 + 8 + 4 + 1)^4.$$

$$75740658391 := (7 + 57 + 4065 + 8 + 3 + 91)^3.$$

$$76024275625 := (76 + 024 + 275625)^2.$$

$$76225024000 := (7 + 6 + 225 + 02 + 4000)^3.$$

$$77199941512 := (7 + 71 + 9 + 9 + 9 + 4151 + 2)^3.$$

$$:= (77 + 1 + 9 + 9 + 9 + 4151 + 2)^3.$$

$$79119341757 := (7 + 9 + 1 + 1 + 93 + 4175 + 7)^3.$$

$$:= (7 + 91 + 1 + 9 + 3 + 4175 + 7)^3.$$

$$79174644184 := (79 + 17 + 4 + 6 + 4 + 4184)^3.$$

$$79502005521 := (7 + 9 + 502 + 005 + 5 + 2 + 1)^4.$$

$$80102584576 := (8 + 01 + 02 + 58 + 457 + 6)^4.$$

$$80612837776 := (80 + 61 + 283777 + 6)^2.$$

$$:= (8 + 1 + 1 + 3 + 6 + 8 + 120 + 3 + 2)^5.$$

$$:= (8 + 1 + 1 + 3 + 6 + 81 + 20 + 32)^5.$$

$$:= (8 + 1 + 1 + 36 + 81 + 20 + 3 + 2)^5.$$

$$:= (8 + 113 + 6 + 8 + 12 + 03 + 2)^5.$$

$$:= (81 + 1 + 3 + 6 + 8 + 1 + 20 + 32)^5.$$

$$:= (81 + 1 + 36 + 8 + 1 + 20 + 3 + 2)^5.$$

$$:= (81 + 13 + 6 + 8 + 12 + 032)^5.$$

$$81924750625 := (8 + 19 + 2 + 475 + 06 + 25)^4.$$

$$83625443117 := (8 + 36 + 2 + 5 + 4 + 4311 + 7)^3.$$

$$83777829136 := (83 + 77 + 78 + 291 + 3 + 6)^4.$$

$$83841135993 := (8 + 3 + 84 + 1 + 1 + 35 + 9 + 9 + 3)^5.$$

$$:= (83 + 8 + 4 + 1 + 1 + 35 + 9 + 9 + 3)^5.$$

$$84258095104 := (8 + 4258 + 09 + 5 + 104)^3.$$

$$84720204288 := (8 + 4 + 72 + 020 + 4288)^3.$$

$$86233722632 := (8 + 623 + 3722 + 63 + 2)^3.$$

$$86617093024 := (8 + 6 + 6 + 1 + 70 + 9 + 30 + 24)^5.$$

$$:= (8 + 6 + 6 + 17 + 093 + 024)^5.$$

$$:= (8 + 66 + 17 + 09 + 30 + 24)^5.$$

$$:= (86 + 6 + 17 + 09 + 30 + 2 + 4)^5.$$

$$87824421125 := (878 + 2442 + 1125)^3.$$

$$87943022623 := (8 + 794 + 3022 + 623)^3.$$

$$:= (87 + 9 + 4302 + 26 + 23)^3.$$

$$89434562048 := (8 + 9 + 4345 + 62 + 048)^3.$$

$$:= (89 + 4345 + 6 + 20 + 4 + 8)^3.$$

$$89526025681 := (8 + 9 + 5 + 260 + 256 + 8 + 1)^4.$$

$$90639863488 := (9 + 06 + 3 + 986 + 3488)^3.$$

$$:= (9 + 06 + 3986 + 3 + 488)^3.$$

$$:= (906 + 3 + 9 + 86 + 3488)^3.$$

$$91064263499 := (910 + 64 + 26 + 3499)^3.$$

$$91185763501 := (911 + 8 + 5 + 76 + 3501)^3.$$

$$92713643576 := (927 + 13 + 6 + 4 + 3576)^3.$$

$$92982304900 := (9 + 2 + 9 + 8 + 2 + 304900)^2.$$

$$93329542656 := (9 + 3329 + 542 + 656)^3.$$

$$93519144481 := (9 + 3 + 5 + 1 + 9 + 1 + 44 + 481)^4.$$

$$:= (9 + 3 + 5 + 1 + 9 + 1 + 444 + 81)^4.$$

$$:= (9 + 3 + 519 + 1 + 4 + 4 + 4 + 8 + 1)^4.$$

$$:= (9 + 35 + 1 + 9 + 14 + 4 + 481)^4.$$

$$:= (9 + 35 + 19 + 1 + 4 + 4 + 481)^4.$$

$$93824221184 := (938 + 2422 + 1184)^3.$$

$$93886178625 := (9 + 3886 + 17 + 8 + 625)^3.$$

$$94382820377 := (9 + 4382 + 82 + 03 + 77)^3.$$

$$94445023464 := (9 + 4 + 4450 + 23 + 4 + 64)^3.$$

$$:= (9 + 4445 + 02 + 34 + 64)^3.$$

$$95565066496 := (9 + 5 + 5 + 6 + 506 + 6 + 4 + 9 + 6)^4.$$

$$96310294921 := (9 + 6 + 310294 + 9 + 21)^2.$$

$$96947540496 := (9 + 6 + 9 + 475 + 4 + 049 + 6)^4.$$

$$:= (9 + 6 + 9 + 475 + 40 + 4 + 9 + 6)^4.$$

$$97644375361 := (9 + 7 + 64 + 43 + 75 + 361)^4.$$

$$:= (9 + 7 + 64 + 437 + 5 + 36 + 1)^4.$$

$$:= (97 + 6 + 4 + 437 + 5 + 3 + 6 + 1)^4.$$

$$:= (97 + 6 + 44 + 375 + 36 + 1)^4.$$

$$97844723712 := (9 + 78 + 4472 + 37 + 12)^3.$$

$$97908438529 := (97 + 90 + 8 + 4385 + 29)^3.$$

$$99757432336 := (9 + 97 + 5 + 7 + 432 + 3 + 3 + 6)^4.$$

$$:= (99 + 7 + 5 + 7 + 432 + 3 + 3 + 6)^4.$$

$$:= (99 + 75 + 7 + 43 + 2 + 336)^4.$$

7.2 Positive and Negative Signs

$$10000200001 := (100002 - 00001)^2.$$

$$10001800081 := (100018 - 0008 - 1)^2.$$

$$10002000100 := (100020 - 0010 + 0)^2.$$

$$10002200121 := (100022 - 0012 + 1)^2.$$

$$10002800196 := (100028 + 001 - 9 - 6)^2.$$

$$10007201296 := (100072 - 01 - 29 - 6)^2.$$

$$10008801936 := (100088 + 01 - 9 - 36)^2.$$

$$10009002025 := (100090 - 020 - 25)^2.$$

$$10011003025 := (100110 - 030 - 25)^2.$$

$$10011603364 := (100116 + 03 + 3 - 64)^2.$$

$$10012603969 := (100126 - 03 + 9 - 69)^2.$$

$$10015205776 := (100152 - 05 - 77 + 6)^2.$$

$$10015606084 := (100156 + 06 - 084)^2.$$

$$10016406724 := (100164 - 06 - 72 - 4)^2.$$

$$10017207396 := (100172 + 07 + 3 - 96)^2.$$

$$10018208281 := (100182 - 082 - 8 - 1)^2.$$

$$:= (100182 - 08 - 2 - 81)^2.$$

$$10019809801 := (100198 - 098 - 01)^2.$$

$$10020010000 := (100200 - 100 + 00)^2.$$

$$10020210201 := (100202 - 102 + 01)^2.$$

$$10021011025 := (-1002 + 101102 + 5)^2.$$

$$10021811881 := (100218 - 118 + 8 + 1)^2.$$

$$10022812996 := (100228 - 129 + 9 + 6)^2.$$

$$10024615129 := (100246 + 1 + 5 - 129)^2.$$

$$10026217161 := (100262 + 1 - 71 - 61)^2.$$

$$10026817956 := (100268 + 1 - 79 - 56)^2.$$

$$10039639204 := (100396 - 3 + 9 - 204)^2.$$

$$10043046225 := (100430 + 4 + 6 - 225)^2.$$

$$10047055225 := (100470 - 5 - 5 - 225)^2.$$

$$10057482369 := (100574 + 82 - 369)^2.$$

$$10059488209 := (100594 - 88 - 209)^2.$$

$$10068918336 := (100689 - 1 - 8 - 336)^2.$$

$$10074538384 := (100745 + 3 + 8 - 384)^2.$$

$$10104873529 := (101048 + 7 - 3 - 529)^2.$$

$$10120963609 := (101209 + 6 - 3 - 609)^2.$$

$$10137469225 := (101374 - 692 - 2 + 5)^2.$$

$$10137670596 := (101376 - 705 + 9 + 6)^2.$$

$$10147842125 := (-10 - 1 + 47 + 8 - 4 + 2125)^3.$$

$$10161244809 := (101612 + 4 - 4 - 809)^2.$$

$$10161648025 := (101616 - 4 - 802 - 5)^2.$$

$$10165680625 := (101656 - 806 - 25)^2.$$

$$10190094916 := (101900 - 949 + 1 - 6)^2.$$

$$10192719681 := (101927 - 1 - 968 + 1)^2.$$

$$10225861129 := (102258 - 6 - 1129)^2.$$

$$\begin{aligned} 10226063376 &:= (1 + 02 + 2 - 60 - 6 + 3 + 376)^4. \\ &:= (-1 + 02 - 2 - 6 - 06 + 337 - 6)^4. \\ &:= (10 + 226 + 06 + 3 - 3 + 76)^4. \\ &:= (1 - 02 + 260 + 63 - 3 - 7 + 6)^4. \end{aligned}$$

$$\begin{aligned} 10355301121 &:= (1 + 035 - 5 + 301 - 12 - 1)^4. \\ &:= (-1 + 0355 - 30 - 1 - 1 - 2 - 1)^4. \\ &:= (10 + 35 - 5 + 301 - 1 - 21)^4. \\ &:= (-103 + 5 - 5 + 301 + 121)^4. \end{aligned}$$

$$10391151969 := (103911 - 5 - 1969)^2.$$

$$\begin{aligned} 10460353203 &:= (10 + 4 - 60 - 3 + 53 + 20 + 3)^7. \\ &:= (10 - 4 + 6 + 035 + 3 - 20 - 3)^7. \\ &:= (1 + 04 - 6 + 03 + 5 + 3 + 20 - 3)^7. \\ &:= (1 + 04 - 6 + 03 + 5 - 3 + 2 - 03)^{21}. \\ &:= (10 + 4 - 60 + 35 - 3 + 20 - 3)^{21}. \\ &:= (10 - 46 + 03 + 53 - 20 + 3)^{21}. \end{aligned}$$

$$\begin{aligned} 10510100501 &:= (1 + 051 + 0100 - 50 - 1)^5. \\ &:= (105 + 1 + 01 - 005 - 01)^5. \\ &:= (10 - 510 + 100 + 501)^5. \end{aligned}$$

$$10517853871 := (105 - 1785 + 3871)^3.$$

$$10567428804 := (105674 - 2880 + 4)^2.$$

$$\begin{aligned} 10604499373 &:= (1 + 060 + 44 - 99 + 3 + 7 - 3)^9. \\ &:= (10 + 60 - 44 + 9 - 9 - 3 - 7 - 3)^9. \\ &:= (1060 - 44 - 993 - 7 - 3)^9. \end{aligned}$$

$$10617447681 := (-10 - 61 - 7 + 4 + 476 - 81)^4.$$

$$:= (1061 - 744 + 7 + 6 - 8 - 1)^4.$$

$$10671096601 := (-10 + 6710 + 96601)^2.$$

$$10750371856 := (10 + 7 + 503 - 7 - 185 - 6)^4.$$

$$:= (10 + 7503 - 7185 - 6)^4.$$

$$:= (1 - 07 + 5 + 0371 + 8 - 56)^4.$$

$$:= (-107 + 503 - 71 + 8 - 5 - 6)^4.$$

$$10779215329 := (-1 + 07 + 79 + 2153 - 29)^3.$$

$$:= (1 + 077 - 9 - 2 - 1 - 5 - 3 - 2 - 9)^6.$$

$$:= (10 - 7 + 7 + 9 + 2 - 15 + 32 + 9)^6.$$

$$:= (107 + 7 - 92 + 1 + 53 - 29)^6.$$

$$:= (1 - 077 + 9 - 215 + 329)^6.$$

$$10823192128 := (108 - 2 - 31 + 9 + 2128)^3.$$

$$10884540241 := (108 - 84 + 540 - 241)^4.$$

$$10896752313 := (10 - 8 - 96 - 7 + 5 + 2313)^3.$$

$$11012193721 := (-1 + 101219 + 3721)^2.$$

$$11019960576 := (1 + 10 + 19 - 9 + 60 - 57 - 6)^8.$$

$$:= (1 + 101 - 9 - 9 - 60 - 5 - 7 + 6)^8.$$

$$:= (11 + 01 - 9 + 96 - 05 - 76)^8.$$

$$:= (110 + 1 + 9 + 9 - 60 - 57 + 6)^8.$$

$$11033611681 := (-1 + 103361 + 1681)^2.$$

$$11040808032 := (11 + 04 + 080 + 8 - 03 + 2)^5.$$

$$:= (1 - 10 + 40 - 8 + 080 - 3 + 2)^5.$$

$$:= (110 - 40 + 80 - 80 + 32)^5.$$

$$11044538649 := (-1 + 104453 - 8 + 649)^2.$$

$$11050634884 := (-1 + 105063 + 48 + 8 + 4)^2.$$

$$11050845129 := (-1 + 105084 + 51 - 2 - 9)^2.$$

$$11051265625 := (1 + 105126 - 5 + 6 + 2 - 5)^2.$$

$$11060939241 := (1 + 106093 - 924 + 1)^2.$$

$$11105365924 := (1 + 1 + 105365 - 9 + 24)^2.$$

$$11134383337 := (-1113 + 4 - 3 + 8 + 3337)^3.$$

$$11154105769 := (-1 - 1 - 154 + 105769)^2.$$

$$11156640625 := (-111 + 5 + 6 - 6 + 406 + 25)^4.$$

$$:= (-11 - 1 - 56 - 6 + 406 - 2 - 5)^4.$$

$$11224377919 := (11 + 2243 - 7 - 7 + 9 - 1 - 9)^3.$$

$$11225826304 := (112258 - 2 - 6304)^2.$$

$$11284642907 := (-1128 + 464 + 2907)^3.$$

$$11294588176 := (11 + 294 + 5 + 8 + 8 - 1 + 7 - 6)^4.$$

$$:= (112 + 9 + 45 - 8 - 8 + 176)^4.$$

$$11299742784 := (-11 + 2997 + 42 - 784)^3.$$

$$11405819251 := (1 + 1405 - 81 + 925 + 1)^3.$$

$$11417777316 := (114177 - 7 - 7316)^2.$$

$$11419273321 := (114192 - 7332 + 1)^2.$$

$$11433811041 := (1 + 1 - 43 + 381 - 10 - 4 + 1)^4.$$

$$:= (1 + 143 - 3 + 81 + 104 + 1)^4.$$

$$:= (-11 + 4 + 338 + 1 - 10 + 4 + 1)^4.$$

$$11436248277 := (-1 + 1436 + 2 - 4 + 827 - 7)^3.$$

$$11573848728 := (1 + 1573 + 8 - 48 + 728)^3.$$

$$11574317056 := (1 + 1 + 5 + 7 - 4 + 317 - 05 + 6)^4.$$

$$:= (1 + 157 + 4 - 3 + 170 + 5 - 6)^4.$$

$$:= (11 + 5 + 7 + 431 - 70 - 56)^4.$$

$$11592740743 := (-1 + 15 + 92 + 740 - 743)^5.$$

$$:= (11 - 5 - 9 + 2 - 7 + 40 + 74 - 3)^5.$$

$$:= (115 - 92 + 74 + 07 - 4 + 3)^5.$$

$$11666192832 := (-11 + 66 - 619 + 2832)^3.$$

$$11681631109 := (1168 + 1 - 6 - 3 + 1109)^3.$$

$$11712548511 := (-1 - 1 + 7125 - 4851 - 1)^3.$$

$$11716114081 := (11 + 716 + 11 - 408 - 1)^4.$$

$$11830695361 := (118306 - 9536 - 1)^2.$$

$$11914842304 := (1 - 19 - 14 + 8 + 4 + 2304)^3.$$

$$11963109376 := (1 - 1 + 9 - 6 - 3 + 109376)^2.$$

$$12024728171 := (1 + 2024 - 7 + 281 - 7 - 1)^3.$$

$$12056247757 := (-1 + 2056 + 247 - 7 + 5 - 7)^3.$$

$$12087822375 := (1 + 2 - 08 + 7 - 82 + 2375)^3.$$

$$12101100025 := (1 - 2 - 1 + 0110002 + 5)^2.$$

$$12149330176 := (1 + 21 + 4 + 9 - 3 + 301 - 7 + 6)^4.$$

$$:= (12 + 14 + 9 - 3 + 301 - 7 + 6)^4.$$

$$:= (121 + 4 - 93 + 301 - 7 + 6)^4.$$

$$12166529024 := (1 + 216 - 6 + 5 + 2 - 90 - 24)^5.$$

$$:= (12 - 1 + 6 + 6 - 5 + 2 + 90 - 2 - 4)^5.$$

$$:= (1 - 2 - 166 + 5 + 290 - 24)^5.$$

$$:= (121 - 66 + 52 - 9 + 02 + 4)^5.$$

$$\begin{aligned}
12230590464 &:= (1 + 2 - 2 + 30 + 59 - 046 + 4)^6. \\
&:= (-12 + 2305 + 9 + 04 - 6 + 4)^3. \\
&:= (12 - 2 + 30 + 5 + 9 + 04 - 6 - 4)^6. \\
&:= (122 - 3 + 05 - 90 + 4 + 6 + 4)^6. \\
&:= (1 - 22 - 305 - 90 + 464)^6.
\end{aligned}$$

$$\begin{aligned}
12246522625 &:= (1 + 2246 + 5 - 2 - 2 + 62 - 5)^3. \\
&:= (1 - 2 - 2 + 46 + 5 + 2262 - 5)^3.
\end{aligned}$$

$$12262468616 := (1 + 2262 + 46 + 8 - 6 + 1 - 6)^3.$$

$$12294402112 := (1 + 2294 + 4 - 02 - 1 + 12)^3.$$

$$\begin{aligned}
12296370321 &:= (1 + 2 + 296 - 3 + 70 - 32 - 1)^4. \\
&:= (1 + 22 - 9 - 6 - 3 + 7 + 0321)^4. \\
&:= (-12 + 296 + 370 - 321)^4. \\
&:= (12 - 2 + 9 + 63 - 70 + 321)^4.
\end{aligned}$$

$$\begin{aligned}
12342406231 &:= (1 + 2342 - 40 + 6 - 2 + 3 + 1)^3. \\
&:= (-123 + 4 + 2406 + 23 + 1)^3.
\end{aligned}$$

$$12358435328 := (1 + 2358 - 43 + 5 - 3 + 2 - 8)^3.$$

$$12374478297 := (1 + 2374 - 47 + 82 - 97)^3.$$

$$12390535144 := (-1 + 2390 + 5 - 35 - 1 - 44)^3.$$

$$\begin{aligned}
12422690496 &:= (1 + 2422 - 6 - 9 + 04 - 96)^3. \\
&:= (-12 + 4 + 2269 + 049 + 6)^3. \\
&:= (124 - 2 + 2690 - 496)^3.
\end{aligned}$$

$$\begin{aligned}
12444741136 &:= (1 + 2 - 4 - 4 + 474 + 1 - 136)^4. \\
&:= (12 + 444 - 7 + 4 - 113 - 6)^4. \\
&:= (1 - 24 - 44 - 7 + 411 + 3 - 6)^4.
\end{aligned}$$

$$12487168000 := (1 + 2487 - 168 + 000)^3.$$

$$12503322161 := (1 + 2503 + 32 - 216 + 1)^3.$$

$$\begin{aligned}
12535672267 &:= (1 - 2 + 53 + 5 + 6 - 7 + 2267)^3. \\
&:= (125 + 3 - 5 - 67 + 2267)^3.
\end{aligned}$$

$$12571118641 := (1 + 257 + 111864 - 1)^2.$$

$$\begin{aligned}
12594450625 &:= (1 + 259 + 44 + 50 + 6 - 25)^4. \\
&:= (1 - 25 - 94 + 450 + 6 + 2 - 5)^4. \\
&:= (-125 - 9 - 44 + 506 + 2 + 5)^4.
\end{aligned}$$

$$12681938368 := (-1 + 2681 + 9 + 3 + 8 - 368)^3.$$

$$\begin{aligned}
12745506816 &:= (1 + 274 + 5 - 5 + 068 - 1 - 6)^4. \\
&:= (-12 - 7 + 45 - 506 + 816)^4. \\
&:= (1 - 27 + 455 - 06 - 81 - 6)^4. \\
&:= (-1 - 274 + 550 + 68 - 1 - 6)^4.
\end{aligned}$$

$$\begin{aligned}
12762815625 &:= (1 + 2 + 7 + 6 + 28 - 1 + 5 + 62 - 5)^5. \\
&:= (1 + 2 + 76 - 28 + 1 + 56 + 2 - 5)^5. \\
&:= (1 + 2 - 7 + 6 - 28 + 156 - 25)^5. \\
&:= (12 + 7 + 62 - 8 + 1 + 56 - 25)^5. \\
&:= (127 - 6 - 28 + 15 - 6 - 2 + 5)^5.
\end{aligned}$$

$$12796484219 := (1279 + 648 + 421 - 9)^3.$$

$$12862247607 := (-1 - 2 + 86 + 2247 + 6 + 07)^3.$$

$$12878723584 := (12 - 8 - 7 - 8 - 7 + 2358 + 4)^3.$$

$$\begin{aligned}
12897917761 &:= (1 + 28 - 9 + 79 + 177 + 61)^4. \\
&:= (12 + 89 + 7 - 9 + 177 + 61)^4. \\
&:= (128 - 9 + 79 + 1 + 77 + 61)^4.
\end{aligned}$$

$$12928235923 := (12 + 9 - 28 + 2359 - 2 - 3)^3.$$

$$12961139409 := (12 - 96 + 113940 - 9)^2.$$

$$\begin{aligned}
13051691536 &:= (1 + 305 + 16 + 9 - 1 + 5 - 3 + 6)^4. \\
&:= (1305 - 16 - 915 - 36)^4.
\end{aligned}$$

$$\begin{aligned}
13060694016 &:= (1 + 3 + 060 - 69 + 4 + 01 + 6)^{13}. \\
&:= (1 + 30 - 60 + 6 + 9 + 4 + 016)^{13}. \\
&:= (13 + 06 - 069 + 40 + 16)^{13}. \\
&:= (13 - 060 + 6 - 9 + 40 + 16)^{13}.
\end{aligned}$$

$$13094193293 := (-1 - 3 - 0941 + 9 + 3293)^3.$$

$$13141183225 := (-1 + 31411 + 83225)^2.$$

$$\begin{aligned}
13206836241 &:= (1 + 320 - 6 + 83 - 62 + 4 - 1)^4. \\
&:= (13 + 206 + 83 - 6 + 2 + 41)^4. \\
&:= (132 - 06 + 8 - 36 + 241)^4.
\end{aligned}$$

$$13211204544 := (-1 + 321 - 1 + 2045 + 4 - 4)^3.$$

$$13227977125 := (13 + 2279 + 77 - 1 + 2 - 5)^3.$$

$$13244763896 := (1 + 3 + 2447 + 6 - 3 + 8 - 96)^3.$$

$$13363360000 := (13 + 363 - 36 + 0000)^4.$$

$$\begin{aligned}
13382255776 &:= (1 + 338 + 2 - 255 + 7 + 7 + 6)^5. \\
&:= (13 + 3 - 82 + 255 - 77 - 6)^5. \\
&:= (133 - 82 + 2 - 5 + 57 + 7 - 6)^5.
\end{aligned}$$

$$13413413376 := (-1341 + 341 + 3376)^3.$$

$$13430356633 := (1 + 3 + 4 + 3035 - 663 - 3)^3.$$

$$13464285939 := (-1 - 3 - 464 + 2859 - 3 - 9)^3.$$

$$13492928512 := (1 + 3 + 4 + 92 + 9 - 28 - 51 - 2)^7.$$

$$:= (13 + 4 + 92 + 9 - 2 - 85 - 1 - 2)^7.$$

$$:= (134 + 9 + 2 - 92 - 8 - 5 - 12)^7.$$

$$:= (13 - 49 + 29 + 28 - 5 + 12)^7.$$

$$:= (1 - 349 + 292 + 85 + 1 - 2)^7.$$

$$13498272341 := (1 + 3 + 49 - 8 + 2 - 7 + 2341)^3.$$

$$13521270961 := (1 + 352 - 1 - 2 + 7 - 09 - 6 - 1)^4.$$

$$:= (13 + 5 + 2 - 1 + 270 - 9 + 61)^4.$$

$$:= (1 - 352 + 1 - 270 + 961)^4.$$

$$13532315887 := (-1 + 35 + 3231 + 5 - 887)^3.$$

$$13549359104 := (1354 + 935 - 9 + 104)^3.$$

$$13661168161 := (1 - 3 + 66 + 116816 + 1)^2.$$

$$13669062471 := (1 + 3 + 6 + 6 - 90 - 6 + 2471)^3.$$

$$13680577296 := (1 + 368 - 057 + 7 + 29 - 6)^4.$$

$$13680577296 := (1 - 3 + 6 - 8 + 057 - 7 + 296)^4.$$

$$13680577296 := (136 + 80 + 57 + 72 - 9 + 6)^4.$$

$$13680577296 := (-13 - 6 + 80 + 577 - 296)^4.$$

$$13772224773 := (1 + 3 - 77 - 2 - 2 + 2477 - 3)^3.$$

$$:= (137 + 7 + 2 + 2247 + 7 - 3)^3.$$

$$13841287201 := (1 + 38 + 412 - 87 - 20 - 1)^4.$$

$$:= (13 + 8 + 412 - 87 - 2 - 01)^4.$$

$$:= (138 + 4 + 1 - 2 + 8 - 7 + 201)^4.$$

$$:= (1 + 3 + 8 + 4 + 1 + 28 + 7 - 2 - 01)^6.$$

$$:= (138 - 4 + 1 - 287 + 201)^6.$$

$$:= (13 - 84 + 128 - 7 - 2 + 01)^6.$$

$$:= (1 + 3 - 84 + 1 + 2 + 87 - 2 - 01)^{12}.$$

$$:= (13 - 84 - 12 + 87 + 2 + 01)^{12}.$$

$$:= (138 - 41 - 2 - 87 - 2 + 01)^{12}.$$

$$13893235264 := (-1 - 38 + 93 + 2352 - 6 + 4)^3.$$

$$13927939416 := (-1 + 39 + 2793 - 9 - 416)^3.$$

$$13962701312 := (1 + 3 + 9 + 6 + 2701 - 312)^3.$$

$$13967221489 := (139672 - 21489)^2.$$

$$14003408896 := (1 + 4 + 00340 - 8 - 8 + 9 + 6)^4.$$

$$:= (1 + 400 + 34 - 088 - 9 + 6)^4.$$

$$14014952531 := (1 - 40 + 14 - 95 + 2531)^3.$$

$$14025517307 := (1 + 40 - 2 + 55 + 17 + 3 - 07)^5.$$

$$:= (140 + 2 - 55 - 17 + 30 + 7)^5.$$

$$:= (14 - 02 + 55 + 17 + 30 - 7)^5.$$

$$14049858997 := (1404 - 9 + 8 + 5 + 8 + 997)^3.$$

$$14084823375 := (1 - 4 + 084 - 8 + 2337 + 5)^3.$$

$$14088977809 := (-1 + 40889 + 77809)^2.$$

$$14102327296 := (1 + 4 - 10 + 2327 - 2 + 96)^3.$$

$$14119845713 := (-141 + 1984 + 571 + 3)^3.$$

$$14154926059 := (-141 - 5 - 49 + 2605 + 9)^3.$$

$$14166950625 := (1 + 416 + 6 - 9 - 50 + 6 - 25)^4.$$

$$:= (-1 + 416 - 695 + 0625)^4.$$

$$14242881024 := (1 + 4 + 2428 - 8 + 1 + 02 - 4)^3.$$

$$14331199589 := (1 + 433 + 1 + 1995 + 8 - 9)^3.$$

$$:= (1433 + 1 + 1 + 995 + 8 - 9)^3.$$

$$14331920656 := (1 + 433 - 1 - 92 + 06 + 5 - 6)^4.$$

$$:= (1 - 4 + 331 - 9 + 20 + 6 - 5 + 6)^4.$$

$$:= (1 - 43 + 319 - 2 + 065 + 6)^4.$$

$$:= (14 - 3 - 319 - 2 + 0656)^4.$$

$$14419882504 := (14 - 4 - 1 + 9 - 88 + 2504)^3.$$

$$14437662875 := (1 - 4 - 437 + 6 - 6 + 2875)^3.$$

$$14498327281 := (1 + 4 - 49 + 83 + 27 + 281)^4.$$

$$:= (1 + 449 + 8 - 32 - 72 - 8 + 1)^4.$$

$$:= (1 - 4 + 4 + 9 + 83 - 27 + 281)^4.$$

$$:= (14 - 4 - 9 + 83 + 272 - 8 - 1)^4.$$

$$14562534888 := (1 + 4 + 5 - 6 + 2534 - 88 - 8)^3.$$

$$14580432307 := (1 + 4 + 5 - 804 + 3230 + 7)^3.$$

$$:= (145 - 8 - 04 + 3 + 2307)^3.$$

$$14634212536 := (14 - 63 - 42 + 1 + 2536)^3.$$

$$14666178816 := (146 + 6 - 6 + 178 + 8 + 16)^4.$$

$$:= (1 - 466 + 6 - 17 + 8 + 816)^4.$$

$$14688124849 := (1 + 46 + 8 - 81 + 2484 - 9)^3.$$

$$\begin{aligned} 14693280768 &:= (1 + 4 - 693 + 28 + 0768)^5. \\ &:= (146 - 93 + 2 - 8 - 07 + 68)^5. \\ &:= (14 - 6 - 9 - 32 + 80 - 7 + 68)^5. \end{aligned}$$

$$14724139851 := (1 - 4 + 7 + 2413 - 9 - 8 + 51)^3.$$

$$\begin{aligned} 14832537993 &:= (1 + 4 + 8 + 3 + 2537 - 99 + 3)^3. \\ &:= (14 - 8 + 3253 - 799 - 3)^3. \end{aligned}$$

$$\begin{aligned} 14835483601 &:= (1 + 4 + 8 + 354 - 8 - 3 - 6 - 01)^4. \\ &:= (1 + 4 - 83 + 5 + 483 - 60 - 1)^4. \\ &:= (14 + 8 + 354 + 8 - 36 + 01)^4. \end{aligned}$$

$$14923275128 := (149 + 2327 - 5 + 1 - 2 - 8)^3.$$

$$14959673344 := (1495 + 967 - 3 - 3 + 4 + 4)^3.$$

$$15124197817 := (1 + 51 + 2419 - 7 - 8 + 17)^3.$$

$$15142552424 := (1 + 51 - 4 + 2 + 5 - 5 + 2424)^3.$$

$$15160921875 := (-1 - 5 + 1609 - 2 - 1 + 875)^3.$$

$$\begin{aligned} 15178486401 &:= (1 + 517 - 84 - 86 + 4 - 01)^4. \\ &:= (15 + 17 - 84 + 8 - 6 + 401)^4. \\ &:= (151 - 7 + 848 - 640 - 1)^4. \end{aligned}$$

$$15179306176 := (-1 - 517 + 9 + 3061 - 76)^3.$$

$$15289924168 := (1 - 5 - 2 + 89 - 9 + 2416 - 8)^3.$$

$$15308412587 := (-15 + 3084 - 1 + 2 - 587)^3.$$

$$15308412587 := (-153 + 08 + 41 + 2587)^3.$$

$$\begin{aligned} 15352201216 &:= (1 + 535 + 2 - 201 + 21 - 6)^4. \\ &:= (15 + 352 + 201 - 216)^4. \\ &:= (153 - 5 + 220 - 1 - 21 + 6)^4. \end{aligned}$$

$$15382515303 := (-1 + 5 - 38 + 2515 + 3 + 03)^3.$$

$$\begin{aligned} 15386239549 &:= (1 + 5 + 3 + 86 + 2 + 3 - 9 + 5 + 4 + 9)^5. \\ &:= (1 + 5 + 386 - 239 + 5 - 49)^5. \\ &:= (1 + 53 + 86 - 2 - 39 + 5 - 4 + 9)^5. \\ &:= (15 + 38 + 62 + 39 - 54 + 9)^5. \\ &:= (153 - 8 - 6 + 23 - 9 + 5 - 49)^5. \end{aligned}$$

$$15392124225 := (-153 - 9 + 2 + 124225)^2.$$

$$15438249000 := (15 - 4 - 3 - 8 + 2490 + 00)^3.$$

$$\begin{aligned} 15527402881 &:= (1 + 5 + 5 + 27 + 402 - 88 + 1)^4. \\ &:= (15 + 52 - 7 + 4 + 0288 + 1)^4. \end{aligned}$$

$$\begin{aligned} 15625000000 &:= (1 + 5 - 6 + 2500 + 0000)^3. \\ &:= (1 + 56 - 2 - 5 + 0000 + 00)^6. \\ &:= (1 - 5 + 6 - 2 + 50 + 00000)^6. \end{aligned}$$

$$\begin{aligned} 15681317527 &:= (-1 + 5 - 681 + 3175 - 2 + 7)^3. \\ &:= (1 - 56 + 813 + 1752 - 7)^3. \end{aligned}$$

$$\begin{aligned} 15704099856 &:= (-1 + 5 - 704 + 0998 + 56)^4. \\ &:= (15 - 70 + 409 + 9 - 8 + 5 - 6)^4. \end{aligned}$$

$$15813251000 := (1 - 5 + 8 - 1 - 3 + 2510 + 00)^3.$$

$$\begin{aligned} 15882300625 &:= (1 + 5 - 8 - 8 - 2 + 300 + 62 + 5)^4. \\ &:= (1 - 5 + 88 + 2 + 300 - 6 - 25)^4. \\ &:= (-158 - 82 - 30 + 0625)^4. \end{aligned}$$

$$15888972744 := (-158 - 88 + 9 + 7 + 2744)^3.$$

$$15926924096 := (1 + 5 + 92 + 6 + 9 + 2409 - 6)^3.$$

$$\begin{aligned} 15945922413 &:= (-1 - 5 + 94 + 5 + 9 + 2 + 2413)^3. \\ &:= (1594 - 5 + 922 + 4 - 1 + 3)^3. \end{aligned}$$

$$15964935832 := (1596 - 4 + 935 - 8 - 3 + 2)^3.$$

$$\begin{aligned} 16062013696 &:= (-16 + 06 + 2 + 01 + 369 - 6)^4. \\ &:= (-160 + 620 + 1 - 3 - 6 - 96)^4. \end{aligned}$$

$$\begin{aligned} 16079333824 &:= (1607 + 93 + 3 - 3 + 824)^3. \\ &:= (-1 - 60 - 793 + 3382 - 4)^3. \end{aligned}$$

$$\begin{aligned} 16105100000 &:= (1 - 6 + 10 + 5 + 100 + 000)^5. \\ &:= (1 - 6 + 105 + 10 + 0000)^5. \\ &:= (161 - 051 + 0000 + 0)^5. \end{aligned}$$

$$16117587576 := (16 + 1 + 1758 + 757 - 6)^3.$$

$$16121126961 := (1 - 6 + 12 + 1 + 126961)^2.$$

$$16136737183 := (1613 - 6 + 737 + 183)^3.$$

$$16232712768 := (-162 + 3 + 2712 - 7 - 6 - 8)^3.$$

$$\begin{aligned} 16243247601 &:= (1 + 6 + 24 + 324 + 7 - 6 + 01)^4. \\ &:= (162 + 4 + 3 + 247 - 60 + 1)^4. \\ &:= (16 - 243 - 24 + 7 + 601)^4. \end{aligned}$$

$$16251953437 := (16 + 2519 - 5 - 34 + 37)^3.$$

$$16271209304 := (1627 + 1 - 20 + 930 - 4)^3.$$

$$16329068153 := (1632 + 906 + 8 - 1 - 5 - 3)^3.$$

$$16406426421 := (-164 + 064 + 2642 - 1)^3.$$

$$16426010896 := (1 + 6 + 4 + 260 - 1 - 08 + 96)^4.$$

$$:= (1 + 64 - 2 - 601 + 0896)^4.$$

$$:= (16 + 426 - 01 - 089 + 6)^4.$$

$$16610312161 := (16 + 6 + 10 + 312 + 16 - 1)^4.$$

$$:= (1 - 6 + 610 - 31 - 216 + 1)^4.$$

$$:= (166 - 1 + 031 + 2 + 161)^4.$$

$$16620420608 := (-1662 + 04206 + 08)^3.$$

$$16737925112 := (1 + 67 - 3 - 7 - 9 + 2511 - 2)^3.$$

$$16836267547 := (-168 + 3 + 6 + 2675 + 47)^3.$$

$$16850581551 := (1 + 68 + 50 + 58 - 15 - 51)^5.$$

$$:= (1 - 6 + 8 + 5 + 058 - 1 - 5 + 51)^5.$$

$$:= (16 - 8 - 50 + 5 - 8 + 155 + 1)^5.$$

$$:= (168 - 5 - 05 + 8 + 1 - 55 - 1)^5.$$

$$16901300025 := (1 + 6 - 9 + 0130002 + 5)^2.$$

$$16915218263 := (1 + 691 + 52 + 1826 - 3)^3.$$

$$:= (1691 + 52 + 1 + 826 - 3)^3.$$

$$16983563041 := (1 + 69 - 8 - 3 + 5 - 6 + 304 - 1)^4.$$

$$:= (16 + 983 - 5 - 630 - 4 + 1)^4.$$

$$:= (16 - 9 - 8 + 356 + 3 + 04 - 1)^4.$$

$$:= (1 + 6 + 98 + 3 - 56 - 30 - 4 + 1)^8.$$

$$:= (16 + 9 + 8 + 3 + 5 - 63 + 041)^8.$$

$$:= (16 + 98 - 35 - 63 + 04 - 1)^8.$$

$$:= (169 - 83 - 56 + 30 - 41)^8.$$

$$17014253248 := (-1 + 7 - 014 + 2532 + 48)^3.$$

$$17172529936 := (17 + 17 - 2 - 5 + 299 + 36)^4.$$

$$:= (171 - 7 + 252 - 9 - 9 - 36)^4.$$

$$17179869184 := (1 + 7 - 179 - 8 + 6 + 91 + 84)^{34}.$$

$$:= (17 + 17 - 9 - 8 - 6 - 91 + 84)^{17}.$$

$$:= (17 - 1 + 79 - 86 - 91 + 84)^{34}.$$

$$:= (171 - 79 + 8 - 6 - 9 + 1 - 84)^{34}.$$

$$:= (17 - 17 - 98 + 6 + 9 + 1 + 84)^{34}.$$

$$:= (-171 - 7 - 9 - 8 + 6 + 9 + 184)^{17}.$$

$$:= (171 - 79 - 8 - 6 + 9 + 1 - 84)^{17}.$$

$$17249876309 := (1 + 7 + 249 + 87 - 6 - 309)^7.$$

$$:= (17 + 24 - 9 + 8 + 7 - 6 - 3 - 09)^7.$$

$$:= (1 - 72 + 4 - 9 + 8 + 76 + 30 - 9)^7.$$

$$17253512704 := (1 - 72 - 53 + 5 - 1 + 2704)^3.$$

$$17353862469 := (1735 + 3 + 862 + 4 - 6 - 9)^3.$$

$$17363069361 := (1 + 73 - 6 + 306 - 9 + 3 - 6 + 1)^4.$$

$$:= (17 + 363 - 06 - 9 + 3 - 6 + 1)^4.$$

$$:= (173 + 63 + 069 - 3 + 61)^4.$$

$$17414258688 := (1 + 7 - 4 - 14 + 2586 + 8 + 8)^3.$$

$$17434421857 := (-1 + 743 - 4 - 4 + 2 + 1857)^3.$$

$$:= (1743 - 4 - 4 + 2 - 1 + 857)^3.$$

$$17555190016 := (17 + 5 - 551 + 900 - 1 - 6)^4.$$

$$:= (-17 + 555 - 190 + 016)^4.$$

$$:= (1 - 7 + 555 - 190 - 01 + 6)^4.$$

$$17596287801 := (1 + 759 + 62 + 8 - 780 + 1)^6.$$

$$:= (17 - 59 + 6 + 2 + 8 + 78 - 01)^6.$$

$$:= (175 - 96 - 28 - 7 + 8 - 01)^6.$$

$$17613271225 := (1 - 7 + 6 + 132712 - 2 + 5)^2.$$

$$17623416832 := (17 + 62 - 3 - 4 + 16 - 8 + 32)^5.$$

$$:= (176 + 2 + 3 - 4 + 16 - 83 + 2)^5.$$

$$:= (1 - 762 + 34 + 1 + 6 + 832)^5.$$

$$:= (176 - 2 - 3 + 41 - 68 - 32)^5.$$

$$17718342543 := (1 - 771 + 834 + 2543)^3.$$

$$:= (1771 + 834 - 2 + 5 - 4 + 3)^3.$$

$$17748900625 := (1 + 77 + 4 + 8 + 900 - 625)^4.$$

$$17759152529 := (1 + 7 + 75 - 9 + 1 + 5 + 2529)^3.$$

$$17777155561 := (-1 + 77771 + 55561)^2.$$

$$17777955556 := (-1 + 77779 + 55556)^2.$$

$$17881958375 := (1788 - 1 - 9 + 5 + 837 - 5)^3.$$

$$17944209936 := (1 + 794 - 420 + 9 - 9 - 3 - 6)^4.$$

$$:= (17 + 9 + 442 - 099 + 3 - 6)^4.$$

$$:= (-179 - 442 + 0993 - 6)^4.$$

$$17964142659 := (1 + 7 - 9 + 6 - 41 - 4 + 2659)^3.$$

$$18025945848 := (18 + 02594 + 58 - 48)^3.$$

$$:= (1 - 8 + 02594 - 5 - 8 + 48)^3.$$

$$18129265883 := (-18 - 1 + 2 - 9 + 2658 - 8 + 3)^3.$$

$$18141126721 := (1 + 8 + 1 + 411 - 26 - 7 - 21)^4.$$

$$:= (18 + 1 + 411 + 2 + 6 - 72 + 1)^4.$$

$$:= (1 - 81 + 411 + 2 + 6 + 7 + 21)^4.$$

$$18295397875 := (1829 - 53 - 9 - 7 + 875)^3.$$

$$18337088853 := (1833 - 70 - 8 + 885 - 3)^3.$$

$$18339659776 := (1 + 8 - 3 + 396 - 5 - 9 - 7 - 7 - 6)^4.$$

$$:= (1 - 8 + 339 + 65 - 9 - 7 - 7 - 6)^4.$$

$$:= (-183 - 39 + 6 + 597 - 7 - 6)^4.$$

$$:= (-183 - 39 + 659 + 7 - 76)^4.$$

$$18357958072 := (1835 + 795 + 80 - 72)^3.$$

$$18378843119 := (-18 - 378 - 84 + 3119)^3.$$

$$18424351793 := (1 + 84 - 24 + 3 - 51 + 7 + 93)^5.$$

$$:= (18 + 42 + 4 + 3 + 51 + 7 - 9 - 3)^5.$$

$$:= (1 - 8 + 42 + 43 - 51 - 7 + 93)^5.$$

$$:= (184 + 24 - 3 - 5 - 1 + 7 - 93)^5.$$

$$:= (18 - 42 - 4 - 35 + 179 - 3)^5.$$

$$18454135716 := (184 - 54 + 135716)^2.$$

$$18462541707 := (1 - 8 + 46 + 2541 + 70 - 7)^3.$$

$$18525482136 := (1 + 85 + 2548 + 21 - 3 - 6)^3.$$

$$:= (1852 + 5 + 4 + 821 - 36)^3.$$

$$18539817921 := (1 + 8 + 539 - 81 - 7 - 92 + 1)^4.$$

$$:= (18 + 539 - 8 - 179 - 2 + 1)^4.$$

$$:= (185 + 3 + 98 - 1 - 7 + 92 - 1)^4.$$

$$:= (185 + 3 - 9 + 8 + 179 + 2 + 1)^4.$$

$$18651364900 := (-1 + 86 - 5 + 136490 + 0)^2.$$

$$18694022264 := (-1 - 8 + 6 - 9 + 402 + 2264)^3.$$

$$18842330781 := (1884 + 2 - 3 - 3 + 0781)^3.$$

$$18927429625 := (-1 + 8 + 9 + 2742 - 96 - 2 + 5)^3.$$

$$:= (-1 - 8 - 9 - 274 + 2962 - 5)^3.$$

$$18945044881 := (1 + 894 + 5 - 0448 - 81)^4.$$

$$:= (18 - 94 + 504 - 48 - 8 - 1)^4.$$

$$:= (1 - 8 - 9 - 450 - 44 + 881)^4.$$

$$18948744296 := (1894 + 874 - 4 - 2 - 96)^3.$$

$$19034163000 := (-1 + 90 - 3 - 416 + 3000)^3.$$

$$19150131456 := (19 + 1 + 50 - 1 + 314 - 5 - 6)^4.$$

$$:= (-191 + 501 + 3 - 1 + 4 + 56)^4.$$

$$:= (1 - 91 + 5 - 01 + 3 - 1 + 456)^4.$$

$$19162771776 := (-19 - 1 - 6 + 2771 + 7 - 76)^3.$$

$$:= (1 - 9 - 16 + 2771 - 77 + 6)^3.$$

$$19184262733 := (19 + 1 - 84 + 2 + 6 + 2733)^3.$$

$$19227292839 := (19 - 2 + 2729 - 28 - 39)^3.$$

$$19254145824 := (1 + 9 + 2 + 54 + 14 + 58 - 24)^5.$$

$$:= (1 + 92 + 5 - 4 - 14 + 58 - 24)^5.$$

$$:= (1 + 925 + 4 - 1 + 4 + 5 - 824)^5.$$

$$:= (19 + 254 - 145 - 8 - 2 - 4)^5.$$

$$:= (192 + 5 + 4 - 1 - 4 - 58 - 24)^5.$$

$$19270387241 := (1 - 9 + 2703 - 8 - 7 - 2 + 4 - 1)^3.$$

$$19313545987 := (1 - 9 + 3135 - 459 + 8 + 7)^3.$$

$$19356769125 := (19 + 3567 + 6 - 912 + 5)^3.$$

$$19356878641 := (-1 + 935 - 6 + 8 + 78 - 641)^4.$$

$$:= (19 + 356 + 8 + 7 - 8 - 6 - 4 + 1)^4.$$

$$:= (-193 + 568 + 7 - 8 - 6 + 4 + 1)^4.$$

$$19421724672 := (1 + 9 - 4 + 217 + 2467 - 2)^3.$$

$$19486825371 := (1 + 94 - 8 + 68 + 2537 - 1)^3.$$

$$19565295376 := (1 + 9 - 5 + 6 - 5 + 295 - 3 + 76)^4.$$

$$:= (1 + 95 - 6 + 5 - 2 - 95 + 376)^4.$$

$$:= (1 + 956 - 529 - 53 - 7 + 6)^4.$$

$$:= (1 - 9 + 5 - 652 + 953 + 76)^4.$$

$$:= (1 - 95 - 6 + 5 - 2 + 95 + 376)^4.$$

$$19573852375 := (1 - 9 - 57 + 385 + 2375)^3.$$

$$19601400025 := (1 - 9 + 6 + 0140002 + 5)^2.$$

$$19617462873 := (1 + 9 - 6 - 174 - 6 + 2873)^3.$$

$$:= (1961 + 746 + 2 - 8 - 7 + 3)^3.$$

$$19639292392 := (1 - 96 + 392 + 9 + 2392)^3.$$

$$19726772408 := (-1 + 972 - 677 + 2408)^3.$$

$$:= (1972 + 6 + 772 - 40 - 8)^3.$$

$$19770609664 := (1 + 9 + 7 + 7 + 060 - 96 + 64)^6.$$

$$:= (19 + 7 + 7 - 060 + 9 + 66 + 4)^6.$$

$$:= (-1 - 977 + 060 + 966 + 4)^6.$$

$$19773140689 := (-1 + 9 - 77 - 3 + 140689)^2.$$

$$19775390625 := (1 + 9 - 7 - 75 + 390 + 62 - 5)^4.$$

$$:= (-19 + 775 - 390 + 6 - 2 + 5)^4.$$

$$:= (197 - 753 + 906 + 25)^4.$$

$$19792552625 := (-19 + 79 + 25 - 5 + 2625)^3.$$

$$19811407009 := (-19 + 81 + 140700 - 9)^2.$$

$$19836487243 := (1983 - 6 + 487 + 243)^3.$$

$$19880486829 := (1988 + 048 + 682 - 9)^3.$$

$$19987173376 := (1 + 9 - 9 + 8 + 7 + 17 + 337 + 6)^4.$$

$$:= (1 - 99 + 87 + 1 + 7 + 3 + 376)^4.$$

$$:= (19 - 9 - 8 + 71 - 73 + 376)^4.$$

$$:= (19 - 9 - 8 + 717 - 337 - 6)^4.$$

$$20034997696 := (-20 + 03499 - 769 + 6)^3.$$

$$20057135813 := (2005 + 713 - 5 + 8 - 1 - 3)^3.$$

$$20079290232 := (-200 - 7 - 9 + 2902 + 32)^3.$$

$$20113571875 := (2 + 011 - 3 + 5 + 7 + 18 + 75)^5.$$

$$:= (2 + 0113 - 57 - 18 + 75)^5.$$

$$:= (20 + 113 + 5 + 7 - 18 - 7 - 5)^5.$$

$$:= (201 - 1 - 35 + 7 + 18 - 75)^5.$$

$$20168071048 := (2016 + 8 + 0710 - 4 - 8)^3.$$

$$20212559424 := (202 + 1 + 2559 - 42 + 4)^3.$$

$$20279414583 := (2 + 02794 - 14 - 58 + 3)^3.$$

$$20301732352 := (2030 - 1 + 732 - 35 + 2)^3.$$

$$20391167168 := (2039 + 1 - 16 + 716 - 8)^3.$$

$$20413566837 := (2041 + 3 + 5 - 6 + 683 + 7)^3.$$

$$20415837456 := (2 + 0415 - 83 - 7 + 45 + 6)^4.$$

$$:= (-204 + 1 + 583 - 7 + 4 - 5 + 6)^4.$$

$$:= (20 - 4 + 1 - 58 - 37 + 456)^4.$$

$$20435982904 := (-204 + 35 - 9 + 8 + 2904)^3.$$

$$20503329553 := (-2 - 0503 + 3295 - 53)^3.$$

$$20632736881 := (2 + 06 + 3 + 2 + 7 + 368 - 8 - 1)^4.$$

$$:= (20 - 6 - 327 + 3 + 688 + 1)^4.$$

$$:= (20 - 63 - 27 + 368 + 81)^4.$$

$$20661046784 := (2 + 066 + 10 + 4 + 6 - 78 + 4)^9.$$

$$:= (20 - 66 + 1 + 04 + 67 - 8 - 4)^9.$$

$$:= (-206 - 610 + 46 + 784)^9.$$

$$20706256936 := (207 + 06 + 2569 - 36)^3.$$

$$20728886723 := (-207 + 2888 + 67 + 2 - 3)^3.$$

$$20819570751 := (2081 + 9 + 5 + 707 - 51)^3.$$

$$20842283008 := (-208 - 42 + 2 - 8 + 3008)^3.$$

$$:= (-20 - 8 - 42 + 2830 - 08)^3.$$

$$20933297216 := (-209 + 3 - 3 + 2972 - 1 - 6)^3.$$

$$21003416576 := (2 + 100 - 3 + 41 - 6 - 5 - 7 - 6)^5.$$

$$:= (21 - 003 + 41 + 6 + 57 - 6)^5.$$

$$:= (2 - 1 - 003 + 41 + 6 - 5 + 76)^5.$$

$$:= (210 - 03 - 4 - 16 + 5 - 76)^5.$$

$$21047437081 := (2104 - 7 - 43 + 708 - 1)^3.$$

$$21071715921 := (210 - 7 + 171 - 5 - 9 + 21)^4.$$

$$21116119744 := (2111 + 611 - 9 + 7 + 44)^3.$$

$$21276960011 := (-2 - 1 + 2769 - 6 + 0011)^3.$$

$$21293813776 := (21 + 29 - 38 - 1 + 377 - 6)^4.$$

$$:= (212 + 93 - 8 - 1 + 3 + 7 + 76)^4.$$

$$:= (21 - 29 + 381 + 3 + 7 - 7 + 6)^4.$$

$$:= (2 - 1 - 2 - 9 - 381 - 3 + 776)^4.$$

$$21465180100 := (2 + 146518 - 010 + 0)^2.$$

$$21465473121 := (-2 + 146547 - 31 - 2 - 1)^2.$$

$$21466059169 := (2 + 146605 - 91 + 6 - 9)^2.$$

$$21517662721 := (2 + 1 + 517 - 66 + 2 - 72 - 1)^4.$$

$$:= (215 + 176 - 6 + 2 - 7 + 2 + 1)^4.$$

$$21531355768 := (215 + 3135 - 576 + 8)^3.$$

$$21554582687 := (-21 + 5 + 54 + 58 + 2687)^3.$$

$$21573146884 := (2 + 1 - 5 - 7 + 3 + 146884)^2.$$

$$21577826304 := (2157 + 7 - 8 + 2 + 630 - 4)^3.$$

$$21624363656 := (-2 - 1 - 6 + 2436 + 365 - 6)^3.$$

$$:= (2162 - 4 + 3 + 636 - 5 - 6)^3.$$

$$21743271936 := (217 + 4 + 3 - 27 + 193 - 6)^4.$$

$$:= (21 - 7 + 432 - 7 - 19 - 36)^4.$$

$$:= (217 - 4 + 3 - 2 + 71 + 93 + 6)^4.$$

$$21904993592 := (-2 + 1904 + 993 - 5 - 92)^3.$$

$$21924480357 := (2 - 1 + 92 + 44 + 8 - 035 + 7)^5.$$

$$:= (219 + 24 - 4 - 80 - 35 - 7)^5.$$

$$:= (21 - 9 - 244 - 8 + 0357)^5.$$

$$21928488399 := (2 + 1928 + 4 + 883 - 9 - 9)^3.$$

$$21970650625 := (-21 - 97 - 06 + 506 - 2 + 5)^4.$$

$$21975528401 := (2 - 1 + 9 + 7 - 55 + 2840 - 1)^3.$$

$$:= (21 + 9 - 75 + 5 + 2840 + 1)^3.$$

$$21999073608 := (2199 - 9 + 07 - 3 + 608)^3.$$

$$22093422616 := (220 + 9 + 3 - 42 + 2616)^3.$$

$$:= (2209 + 342 + 261 - 6)^3.$$

$$22164361129 := (22 + 1 - 64 + 3 + 61 + 1 + 29)^6.$$

$$:= (2 - 21 + 6 - 43 + 6 + 112 - 9)^6.$$

$$:= (221 + 64 - 361 + 129)^6.$$

$$:= (2216 - 4 - 3 + 611 - 2 - 9)^3.$$

$$22199808016 := (22 + 199 + 80 + 80 - 1 + 6)^4.$$

$$:= (221 + 9 - 9 + 80 + 80 - 1 + 6)^4.$$

$$22211737731 := (2 - 2 + 2117 - 37 + 731)^3.$$

$$22282929144 := (2 + 2 + 2829 - 29 + 14 - 4)^3.$$

$$22354272513 := (2 + 2 + 3542 - 725 - 1 - 3)^3.$$

$$22430753361 := (2 + 2 + 430 - 75 - 33 + 61)^4.$$

$$:= (22 - 4 + 3 + 07 - 5 + 3 + 361)^4.$$

$$:= (2 - 24 - 3 + 075 + 336 + 1)^4.$$

$$22449633661 := (2 + 2449 + 6 - 3 + 366 + 1)^3.$$

$$:= (2244 + 9 + 633 - 66 + 1)^3.$$

$$22521332224 := (2 + 2521 + 3 + 322 - 24)^3.$$

$$22615046689 := (2 - 2 + 6 + 150466 - 89)^2.$$

$$22663495936 := (2 + 2 + 6 - 63 - 495 + 936)^4.$$

$$:= (22 + 6 + 6 + 349 + 5 + 9 - 3 - 6)^4.$$

$$:= (226 + 6 + 34 + 95 - 9 + 36)^4.$$

$$22713274368 := (-2 + 27 - 1 - 3 + 2743 + 68)^3.$$

$$22761429704 := (2 + 2761 + 4 + 2 - 9 + 70 + 4)^3.$$

$$22785532875 := (2278 + 553 - 2 + 8 - 7 + 5)^3.$$

$$:= (2 - 27 - 8 - 5 - 5 + 3 + 2875)^3.$$

$$22809653056 := (2 + 2809 - 6 + 5 - 30 + 56)^3.$$

$$:= (-228 + 09 - 6 + 5 + 3056)^3.$$

$$22833790253 := (2 + 2833 - 7 + 9 - 02 + 5 - 3)^3.$$

$$22877577568 := (2 + 287 - 75 - 77 - 5 - 6 - 8)^5.$$

$$:= (22 + 87 + 757 - 756 + 8)^5.$$

$$:= (2 - 28 + 77 + 57 + 7 + 5 + 6 - 8)^5.$$

$$:= (22 - 8 - 7 - 7 + 57 + 75 - 6 - 8)^5.$$

$$22882115719 := (2 - 2882 - 1 + 1 + 5719)^3.$$

$$22898045041 := (-22 + 8 - 98 - 04 + 504 + 1)^4.$$

$$:= (2 - 2 + 898 - 04 - 504 - 1)^4.$$

$$22930509321 := (2 + 2930 + 5 - 093 - 2 - 1)^3.$$

$$22954731688 := (2 + 2954 - 7 - 3 - 16 - 88)^3.$$

$$:= (229 - 547 + 3168 - 8)^3.$$

$$22978971107 := (-2 + 2978 - 9 - 7 - 110 - 7)^3.$$

$$23271176375 := (2 - 3 + 2711 + 7 + 63 + 75)^3.$$

$$23295638016 := (2 - 3 + 2956 - 3 - 80 - 16)^3.$$

$$23372600161 := (2 + 337 - 2 - 6 - 001 + 61)^4.$$

$$:= (233 - 7 - 2 + 6 + 00161)^4.$$

$$23393656000 := (2 + 3393 + 65 - 600 + 0)^3.$$

$$23442767928 := (-2 - 3 + 4 - 4 + 2767 + 92 + 8)^3.$$

$$23491948544 := (2349 + 19 - 48 + 544)^3.$$

$$23612624896 := (2 + 36 + 1 + 262 - 4 + 89 + 6)^4.$$

$$:= (23 + 6 + 1 + 262 - 4 + 8 + 96)^4.$$

$$:= (236 + 1 + 2 + 62 - 4 + 89 + 6)^4.$$

$$23639903000 := (2 - 36 + 3 - 99 + 03000)^3.$$

$$23664622311 := (2 - 3 - 6 + 646 + 2231 + 1)^3.$$

$$23689358848 := (-23 - 689 + 3588 + 4 - 8)^3.$$

$$23854493601 := (-2 + 385 + 44 - 93 + 60 - 1)^4.$$

$$:= (2 - 3 + 8 - 5 + 449 + 3 - 60 - 1)^4.$$

$$:= (238 - 5 + 4 + 4 + 93 + 60 - 1)^4.$$

$$:= (23 - 8 - 54 + 493 - 60 - 1)^4.$$

$$23862997439 := (-2 + 3862 - 997 + 4 + 3 + 9)^3.$$

$$23863536599 := (-2 + 386 - 353 - 6 - 5 + 99)^5.$$

$$:= (23 + 8 + 6 + 35 + 3 - 6 + 59 - 9)^5.$$

$$:= (-238 - 6 + 3 - 5 + 365 - 9 + 9)^5.$$

$$23887872000 := (-2 + 3 + 8 + 878 - 7 + 2000)^3.$$

$$23937672968 := (2 - 3 - 93 + 7 - 6 + 7 + 2968)^3.$$

$$24098215696 := (2 + 409 + 8 - 21 + 5 + 6 - 9 - 6)^4.$$

$$:= (-24 + 0982 - 1 - 569 + 6)^4.$$

$$:= (240 - 9 + 8 + 2 + 1 + 56 + 96)^4.$$

$$:= (-2 - 409 + 821 + 5 - 6 - 9 - 6)^4.$$

$$24112521369 := (2411 + 2 + 521 - 36 - 9)^3.$$

$$24237932984 := (-2 + 42 - 37 - 93 + 2984)^3.$$

$$24288219136 := (24 + 2882 + 1 - 9 + 1 + 3 - 6)^3.$$

$$24343800625 := (2 + 434 - 38 - 006 - 2 + 5)^4.$$

$$24363778699 := (-24 + 3637 - 7 - 8 - 699)^3.$$

$$:= (2436 + 377 + 86 + 9 - 9)^3.$$

$$24415625025 := (-24 + 4 + 156250 + 25)^2.$$

$$24591257856 := (2 - 4 + 591 - 257 + 8 + 56)^4.$$

$$:= (245 - 9 + 1 + 25 + 78 + 56)^4.$$

$$:= (2 - 459 + 1 - 2 + 5 - 7 + 856)^4.$$

$$24718462497 := (2471 - 8 + 462 + 4 - 9 - 7)^3.$$

$$24794911296 := (24 + 79 + 49 + 1 - 1 - 2 - 96)^6.$$

$$:= (247 + 94 + 9 - 1 + 1 - 296)^6.$$

$$:= (24 - 79 - 4 - 9 - 1 + 129 - 6)^6.$$

$$24840596881 := (2 + 484 - 05 - 9 - 68 - 8 + 1)^4.$$

$$:= (248 + 4 + 05 - 9 + 68 + 81)^4.$$

$$:= (2 - 4 - 8 + 405 - 9 - 6 + 8 + 8 + 1)^4.$$

$$24948281448 := (-2 + 4 + 94 + 8 + 2814 - 4 + 8)^3.$$

$$25025203125 := (2 + 50 - 252 + 03125)^3.$$

$$25091827216 := (-2 + 50 + 91 - 8 + 272 + 1 - 6)^4.$$

$$:= (250 + 91 + 82 - 7 - 2 - 16)^4.$$

$$:= (-2 - 509 + 182 + 721 + 6)^4.$$

$$25128011089 := (-2 + 51 + 2801 - 10 + 89)^3.$$

$$25141590721 := (2 - 514 + 159072 + 1)^2.$$

$$25334470953 := (2533 - 4 + 470 - 9 - 53)^3.$$

$$25344958401 := (2 + 5 + 344 + 95 - 8 - 40 + 1)^4.$$

$$:= (2 + 5 - 3 - 449 + 5 + 840 - 1)^4.$$

$$:= (25 + 3 + 449 + 5 - 84 + 01)^4.$$

$$25398159424 := (-25 - 39 + 8 + 159424)^2.$$

$$25457159809 := (-254 + 5 - 7 + 159809)^2.$$

$$25516048384 := (2551 - 6 + 0483 - 84)^3.$$

$$25803133875 := (2580 - 3 - 1 - 3 + 387 - 5)^3.$$

$$25829338816 := (2 - 58 + 2933 - 8 + 81 + 6)^3.$$

$$:= (2 - 5829 - 33 + 8816)^3.$$

$$25856961601 := (2 + 5 - 8 + 569 - 6 - 160 - 1)^4.$$

$$:= (258 - 5 - 6 + 96 - 1 + 60 - 1)^4.$$

$$25937424601 := (2 + 593 - 7 - 4 - 2 - 460 - 1)^5.$$

$$:= (25 + 9 - 374 + 2 + 460 - 1)^5.$$

$$:= (259 + 3 - 74 - 2 - 4 - 60 - 1)^5.$$

$$:= (2593 - 7 - 4 - 2460 - 1)^5.$$

$$:= (2 + 59 - 37 - 4 + 2 - 4 - 6 - 01)^{10}.$$

$$:= (25 + 9 + 3 + 7 + 4 + 24 - 60 - 1)^{10}.$$

$$:= (2 - 593 + 7 - 4 + 2 - 4 + 601)^{10}.$$

$$25960629681 := (2 - 5 + 9 - 6 - 06 + 2968 - 1)^3.$$

$$26092364696 := (2 + 609 + 2364 + 6 - 9 - 6)^3.$$

$$:= (2609 + 2 + 364 + 6 - 9 - 6)^3.$$

$$26115852816 := (2 + 6 + 1158 + 52 - 816)^4.$$

$$:= (26 + 1 + 15 + 85 + 281 - 6)^4.$$

$$:= (261 + 158 - 5 - 28 + 16)^4.$$

$$26198073000 := (-26 - 19 + 8 + 07 + 3000)^3.$$

$$26277541317 := (2627 - 7 - 5 + 41 + 317)^3.$$

$$26304066424 := (-2 - 6 + 3040 - 6 - 6 - 42 - 4)^3.$$

$$:= (2630 + 406 - 64 - 2 + 4)^3.$$

$$26330609375 := (2 - 63 + 3060 - 9 - 3 - 7 - 5)^3.$$

$$26376683281 := (2 + 6 + 376 + 68 + 32 - 81)^4.$$

$$:= (263 + 76 + 68 + 3 + 2 - 8 - 1)^4.$$

$$:= (26 - 3 - 7 + 66 - 8 + 328 + 1)^4.$$

$$:= (263 - 76 - 68 + 3 + 281)^4.$$

$$26490242141 := (-2 - 64 + 902 + 4 + 2141)^3.$$

$$26639462656 := (2 + 66 + 394 + 6 - 2 - 6 - 56)^4.$$

$$26639462656 := (26 + 639 + 4 - 6 - 265 + 6)^4.$$

$$26784575488 := (-2678 + 4 + 5754 - 88)^3.$$

$$26904200625 := (2 + 6 - 90 + 420 + 062 + 5)^4.$$

$$27027081632 := (2 + 7 + 0270 + 8 - 163 - 2)^5.$$

$$:= (27 + 02 + 7 + 081 + 6 - 3 + 2)^5.$$

$$:= (270 - 2 + 7 + 08 - 163 + 2)^5.$$

$$:= (270 - 2 - 70 - 81 + 6 - 3 + 2)^5.$$

$$27135225125 := (-2 - 7 - 1 + 3522 - 512 + 5)^3.$$

$$27189441343 := (2718 - 9 - 44 - 1 + 343)^3.$$

$$27298090331 := (27 + 2980 + 9 - 03 - 3 + 1)^3.$$

$$27379766744 := (27 + 3797 - 66 - 744)^3.$$

$$27434308096 := (27 + 4 - 3 + 4 + 3080 - 96)^3.$$

$$27439591201 := (2 + 7 + 439 - 59 - 1 + 20 - 1)^4.$$

$$:= (27 - 4 + 3 - 9 + 591 - 201)^4.$$

$$:= (27 - 4 + 395 + 9 - 1 - 20 + 1)^4.$$

$$27512614111 := (27 + 5 - 126 + 14 + 111)^7.$$

$$27512614111 := (275 + 1 - 261 + 4 + 11 + 1)^7.$$

$$27512614111 := (27 - 51 + 26 - 1 + 41 - 11)^7.$$

$$27625773167 := (2 - 76 + 2 + 5 - 77 + 3167)^3.$$

$$27625773167 := (-2762 + 5773 - 1 + 6 + 7)^3.$$

$$27680640625 := (2 + 76 - 8 - 0640 + 625)^6.$$

$$27680640625 := (276 - 806 - 40 + 625)^6.$$

$$27710263296 := (2 - 7 + 710 + 2 - 6 + 3 - 296)^4.$$

$$:= (277 + 10 + 26 - 3 + 2 + 96)^4.$$

$$:= (277 - 102 - 63 + 296)^4.$$

$$27735580683 := (-2773 + 5 + 5806 - 8 - 3)^3.$$

$$27763077952 := (2 - 7 - 7 + 6 + 3077 + 9 - 52)^3.$$

$$27928443304 := (27 - 9 - 284 - 4 + 3304)^3.$$

$$27982932961 := (279 + 8 + 2 - 9 + 32 + 96 + 1)^4.$$

$$:= (27 - 9 + 8 + 2 - 9 + 329 + 61)^4.$$

$$:= (27 - 9 + 82 + 9 + 3 + 296 + 1)^4.$$

$$28094464000 := (-2 - 8 - 0944 - 6 + 4000)^3.$$

$$28122197921 := (2 - 81 + 2 + 2197 + 921)^3.$$

$$28153056843 := (2 + 8 - 1 + 5 + 3 - 05 + 68 + 43)^5.$$

$$:= (2 + 81 + 5 - 30 + 56 + 8 + 4 - 3)^5.$$

$$:= (28 - 15 + 30 + 5 + 68 + 4 + 3)^5.$$

$$28233316125 := (-282 + 3 + 3316 + 1 + 2 + 5)^3.$$

$$:= (2 - 82 - 33 + 3161 + 2 - 5)^3.$$

$$28456429877 := (2 + 8 + 4 - 5 + 64 + 2987 - 7)^3.$$

$$28534304241 := (2 + 8 - 5 + 3 + 430 - 4 - 24 + 1)^4.$$

$$:= (2 + 85 + 343 + 04 - 24 + 1)^4.$$

$$:= (-28 + 5 + 3 + 430 + 42 - 41)^4.$$

$$28568426193 := (2856 + 8 + 4 + 2 - 6 + 193)^3.$$

$$28793299625 := (2 - 8 + 7 + 93 + 2996 - 25)^3.$$

$$28813025536 := (288 + 130 + 25 + 5 - 36)^4.$$

$$:= (28 - 8 - 1 + 302 + 55 + 36)^4.$$

$$:= (2 - 88 - 13 - 025 + 536)^4.$$

$$28877930432 := (28 + 8 + 7 - 7 - 9 + 3043 - 2)^3.$$

$$28906177509 := (2890 + 6 + 177 + 5 - 09)^3.$$

$$28934443000 := (28 - 9 + 3 + 44 + 4 + 3000)^3.$$

$$28958169241 := (-28 + 958 + 169241)^2.$$

$$29047689224 := (2904 + 76 + 8 + 92 - 2 - 4)^3.$$

$$29093783761 := (2 + 9 + 09 + 378 + 3 + 7 + 6 - 1)^4.$$

$$:= (2 + 90 - 9 - 37 - 8 + 376 - 1)^4.$$

$$:= (290 + 93 + 7 + 8 + 3 + 7 + 6 - 1)^4.$$

$$:= (290 + 9 - 37 + 83 + 7 + 61)^4.$$

$$\begin{aligned} 29132817533 &:= (2 - 9 + 1328 + 1753 + 3)^3. \\ &:= (291 - 3 + 2817 + 5 - 33)^3. \end{aligned}$$

$$\begin{aligned} 29161230552 &:= (29 - 16 + 12 + 3055 - 2)^3. \\ 29281712161 &:= (2 - 92 - 8 + 171216 + 1)^2. \\ 29303572787 &:= (29 + 3035 + 7 + 27 - 8 - 7)^3. \end{aligned}$$

$$\begin{aligned} 29316250624 &:= (2 + 93 - 1 + 62 - 50 - 6 + 24)^5. \\ &:= (29 + 31 - 6 + 2 + 50 - 6 + 24)^5. \\ &:= (293 + 1 - 62 - 50 - 62 + 4)^5. \end{aligned}$$

$$\begin{aligned} 29376588816 &:= (29 + 376 - 58 - 8 + 81 - 6)^4. \\ &:= (-2 - 93 - 76 + 588 - 8 - 1 + 6)^4. \end{aligned}$$

$$\begin{aligned} 29446377472 &:= (2944 - 6 - 3 + 7 + 74 + 72)^3. \\ 29474993969 &:= (2947 + 49 + 9 - 3 + 96 - 9)^3. \end{aligned}$$

$$\begin{aligned} 29532282571 &:= (2953 + 2 - 2 + 82 + 57 - 1)^3. \\ &:= (295 - 3 + 228 + 2571)^3. \end{aligned}$$

$$\begin{aligned} 29661450625 &:= (29 + 6 - 61 + 450 - 6 + 2 - 5)^4. \\ &:= (296 + 61 - 4 + 5 + 062 - 5)^4. \\ &:= (-2 - 966 + 1450 - 62 - 5)^4. \end{aligned}$$

$$\begin{aligned} 29663172900 &:= (2 - 9 - 663 + 172900)^2. \\ 29675828736 &:= (296 - 75 + 8 + 2873 - 6)^3. \\ 29704593673 &:= (2970 - 45 + 93 + 6 + 73)^3. \\ 29733377192 &:= (-297 - 3 + 3377 + 19 + 2)^3. \\ 29906468864 &:= (2990 - 6 - 4 + 68 - 8 + 64)^3. \end{aligned}$$

$$\begin{aligned} 29948379136 &:= (2 + 9 + 9 + 483 + 7 - 91 + 3 - 6)^4. \\ &:= (29 - 9 + 483 - 79 + 1 - 3 - 6)^4. \\ &:= (299 - 4 + 8 - 3 + 79 + 1 + 36)^4. \end{aligned}$$

$$\begin{aligned} 29964315016 &:= (-29 - 9 + 6 + 4 + 3150 - 16)^3. \\ 29993266043 &:= (2999 - 3 + 2 + 66 + 043)^3. \\ 30109256631 &:= (3010 + 92 - 5 + 6 + 6 + 3 - 1)^3. \\ 30167363897 &:= (3016 + 7 + 3 - 6 - 3 + 89 + 7)^3. \\ 30196445544 &:= (3019 + 644 - 5 - 544)^3. \end{aligned}$$

$$\begin{aligned} 30225545875 &:= (30 + 2255 - 45 + 875)^3. \\ &:= (3022 + 55 - 45 + 8 + 75)^3. \end{aligned}$$

$$\begin{aligned} 30237384321 &:= (3 + 02 + 3 + 7 + 384 - 3 + 21)^4. \\ &:= (30 + 2 - 3 - 7 - 38 + 432 + 1)^4. \\ &:= (302 + 37 + 38 + 43 - 2 - 1)^4. \end{aligned}$$

$$\begin{aligned} 30254664896 &:= (3025 + 46 - 6 + 48 + 9 - 6)^3. \\ 30283802613 &:= (3028 + 3 + 80 + 2 + 6 + 1 - 3)^3. \end{aligned}$$

$$\begin{aligned} 30312959032 &:= (-30 + 3129 + 5 + 9 + 03 + 2)^3. \\ 30312959032 &:= (3031 + 29 + 59 - 03 + 2)^3. \end{aligned}$$

$$\begin{aligned} 30342134159 &:= (3034 - 2 - 13 + 41 + 59)^3. \\ 30429771848 &:= (3042 + 9 + 77 - 18 + 4 + 8)^3. \end{aligned}$$

$$\begin{aligned} 30459021867 &:= (3045 + 90 - 21 + 8 - 6 + 7)^3. \\ &:= (3045 - 9 + 02 + 18 + 67)^3. \end{aligned}$$

$$\begin{aligned} 30488290624 &:= (304 - 88 + 2906 - 2 + 4)^3. \\ &:= (3048 - 8 - 2 + 90 - 6 - 2 + 4)^3. \end{aligned}$$

$$\begin{aligned} 30517578125 &:= (3051 + 7 + 57 + 8 - 1 - 2 + 5)^3. \\ &:= (30 + 5 + 175 - 78 - 12 + 5)^5. \\ &:= (3 - 05 - 1 - 7 - 5 + 7 + 8 + 125)^5. \\ &:= (305 - 17 - 57 - 81 - 25)^5. \\ &:= (3 + 05 + 1 + 7 + 5 - 7 + 8 - 12 - 5)^{15}. \\ &:= (30 + 5 + 17 + 5 - 78 + 1 + 25)^{15}. \\ &:= (3 - 051 - 7 - 57 - 8 + 125)^{15}. \end{aligned}$$

$$\begin{aligned} 30528476176 &:= (30 + 528 + 4 - 7 - 61 - 76)^4. \\ &:= (-3 - 052 + 8 + 476 - 17 + 6)^4. \\ &:= (305 - 2 - 8 - 47 - 6 + 176)^4. \end{aligned}$$

$$\begin{aligned} 30546884376 &:= (3054 + 68 - 8 - 4 + 3 + 7 + 6)^3. \\ 30576209383 &:= (3057 + 6 + 20 + 9 + 38 - 3)^3. \end{aligned}$$

$$\begin{aligned} 30605553152 &:= (30 + 6 - 05 - 55 + 3152)^3. \\ &:= (3060 - 5 - 5 - 5 + 31 + 52)^3. \end{aligned}$$

$$\begin{aligned} 30634915689 &:= (3063 + 49 + 1 + 5 - 6 + 8 + 9)^3. \\ 30693697091 &:= (3069 + 3 + 6 - 9 + 70 - 9 + 1)^3. \end{aligned}$$

$$\begin{aligned} 30723115968 &:= (30 - 72 + 3115 - 9 + 68)^3. \\ &:= (3072 - 31 + 159 - 68)^3. \end{aligned}$$

$$\begin{aligned} 30752553637 &:= (3075 + 2 + 55 - 36 + 37)^3. \\ 30811485375 &:= (3081 + 1 + 4 + 8 + 53 - 7 - 5)^3. \end{aligned}$$

$$\begin{aligned} 30821664721 &:= (3 + 0821 + 66 - 472 + 1)^4. \\ &:= (30 + 82 - 166 + 472 + 1)^4. \\ &:= (308 + 2 - 1 + 66 + 47 - 2 - 1)^4. \end{aligned}$$

$$\begin{aligned} 30840979456 &:= (-30 + 8 + 4097 - 945 + 6)^3. \\ &:= (3 + 084 + 09 - 79 + 45 - 6)^6. \\ &:= (30 + 840 - 9 - 794 - 5 - 6)^6. \\ &:= (308 - 409 + 7 + 94 + 56)^6. \end{aligned}$$

$$30870492353 := (3087 - 04 + 92 - 35 - 3)^3.$$

$$30900024072 := (3090 - 0024 + 072)^3.$$

$$\begin{aligned} 30929574619 &:= (3092 + 9 - 5 + 7 + 46 - 1 - 9)^3. \\ &:= (3092 - 9 - 5 + 74 + 6 - 19)^3. \end{aligned}$$

$$30959144000 := (3095 - 9 + 14 + 40 + 00)^3.$$

$$30988732221 := (3 - 098 + 8 + 7 + 3222 - 1)^3.$$

$$31018339288 := (3101 + 83 + 3 - 9 - 28 - 8)^3.$$

$$31077609984 := (3107 + 7 + 60 - 9 - 9 - 8 - 4)^3.$$

$$31107273625 := (3110 - 7 + 2 + 7 + 36 + 2 - 5)^3.$$

$$31116960000 := (311 + 169 - 60 + 000)^4.$$

$$31136956136 := (3113 - 69 + 5 + 61 + 36)^3.$$

$$31166657523 := (3116 - 6 - 6 - 5 - 7 + 52 + 3)^3.$$

$$31196377792 := (3119 - 6 + 3 + 7 + 7 + 7 + 9 + 2)^3.$$

$$31226116949 := (3122 + 6 + 1 + 16 + 9 + 4 - 9)^3.$$

$$31285651951 := (3128 - 5 - 65 - 1 + 95 - 1)^3.$$

$$31315447808 := (-3 - 1315 + 4478 - 08)^3.$$

$$:= (3131 - 5 - 44 + 78 - 08)^3.$$

$$31345262577 := (3134 + 5 + 2 + 62 - 57 + 7)^3.$$

$$31375096264 := (3137 + 50 - 9 + 6 - 26 - 4)^3.$$

$$31381059609 := (3 + 1 - 38 - 1 + 059 - 6 - 09)^{11}.$$

$$:= (31 + 3 - 81 + 059 + 6 - 09)^{11}.$$

$$:= (3 - 138 + 10 + 59 + 60 + 9)^{22}.$$

$$:= (31 - 38 - 1 + 05 + 9 + 6 - 09)^{22}.$$

$$31404948875 := (3 - 1 + 4049 - 4 - 887 - 5)^3.$$

$$:= (3140 - 4 + 94 - 8 + 8 - 75)^3.$$

$$31414372081 := (3 + 1 + 41 + 437 + 20 - 81)^4.$$

$$:= (314 + 1 + 43 + 72 - 08 - 1)^4.$$

$$:= (31 - 414 + 3 + 720 + 81)^4.$$

$$31434820416 := (-314 + 3482 + 04 - 16)^3.$$

$$:= (3143 + 4 + 8 + 2 + 04 + 1 - 6)^3.$$

$$31464710893 := (3146 - 4 - 71 + 089 - 3)^3.$$

$$31494620312 := (3149 + 4 - 6 + 20 + 3 - 12)^3.$$

$$31524548679 := (3152 + 45 - 48 - 6 + 7 + 9)^3.$$

$$:= (3152 - 4 - 54 - 8 - 6 + 79)^3.$$

$$31554496000 := (3155 + 4 + 4 - 9 + 6 + 000)^3.$$

$$31584462281 := (3158 - 4 - 4 + 6 - 2 - 2 + 8 + 1)^3.$$

$$31614447528 := (3161 + 4 + 44 - 75 + 28)^3.$$

$$31644451747 := (3164 + 4 + 4 + 5 - 17 - 4 + 7)^3.$$

$$31704517125 := (3170 + 4 - 5 - 1 - 7 + 1 - 2 + 5)^3.$$

$$31713911056 := (-31 + 71 + 391 - 10 - 5 + 6)^4.$$

$$:= (317 + 1 + 3 - 9 - 1 + 105 + 6)^4.$$

$$:= (3 - 17 - 1 + 391 - 10 + 56)^4.$$

$$31734578296 := (3 + 1 - 7 + 3457 + 8 - 296)^3.$$

$$:= (3173 + 4 + 5 + 78 + 2 - 96)^3.$$

$$31757969376 := (3 + 1 + 7 + 5 + 7 + 96 - 9 + 3 + 7 + 6)^5.$$

$$:= (31 + 7 + 5 + 7 - 9 + 69 + 3 + 7 + 6)^5.$$

$$:= (3 - 17 + 5 - 796 + 937 - 6)^5.$$

$$31764658463 := (3176 - 4 - 6 - 58 - 4 + 63)^3.$$

$$31781975625 := (-3 + 178197 + 56 + 25)^2.$$

$$31782688729 := (3 + 178268 - 8 + 7 - 2 + 9)^2.$$

$$31783045284 := (3 + 178304 - 5 - 28 + 4)^2.$$

$$31794757632 := (3179 + 47 - 57 - 6 + 3 + 2)^3.$$

$$:= (3179 - 4 - 75 + 7 + 63 - 2)^3.$$

$$31824875809 := (3182 - 4 - 8 - 7 + 5 - 8 + 09)^3.$$

$$31885169211 := (3188 - 5 - 16 - 9 + 2 + 11)^3.$$

$$31915344448 := (3191 - 5 + 34 - 4 + 4 - 48)^3.$$

$$31945538717 := (3194 + 55 + 3 - 87 + 1 + 7)^3.$$

$$31975752024 := (3197 + 5 - 7 + 5 - 2 - 024)^3.$$

$$32005984375 := (3200 - 5 + 98 - 43 - 75)^3.$$

$$32015587041 := (-3 - 20 - 1 + 558 - 70 - 41)^4.$$

$$32036235776 := (3203 - 6 + 23 - 57 + 7 + 6)^3.$$

$$32096795752 := (3209 - 67 + 95 - 7 - 52)^3.$$

$$32127104339 := (3 + 2127 + 1043 - 3 + 9)^3.$$

$$:= (3212 - 71 - 04 + 3 + 39)^3.$$

$$32157432000 := (32 + 1 - 57 + 4 + 3200 + 0)^3.$$

$$:= (3 - 21 - 5 + 7 - 4 + 3200 + 0)^3.$$

$$:= (3215 - 7 + 4 - 32 + 000)^3.$$

$$32218144568 := (3221 + 8 + 1 + 4 - 4 - 56 + 8)^3.$$

$$32248529487 := (-3 + 2 + 248 - 5 + 2948 - 7)^3.$$

$$32248529487 := (3224 - 85 - 2 - 9 + 48 + 7)^3.$$

$$32278933504 := (3227 + 8 - 9 - 3 - 35 - 04)^3.$$

$$:= (3227 - 89 + 3 - 3 + 50 - 4)^3.$$

$$32309356625 := (3230 + 9 + 3 - 56 + 6 - 2 - 5)^3.$$

$$32319410176 := (-3 + 231 + 94 + 101 + 7 - 6)^4.$$

$$:= (32 + 3 - 19 + 410 - 1 - 7 + 6)^4.$$

$$:= (323 - 1 + 94 + 10 - 1 - 7 + 6)^4.$$

$$32339798856 := (-3 + 2339 - 7 + 9 - 8 + 856)^3.$$

$$:= (3233 - 97 + 98 + 8 - 56)^3.$$

$$32401800025 := (-32 + 40 + 180002 - 5)^2.$$

$$32431240269 := (3243 + 1 + 2 - 40 - 26 + 9)^3.$$

$$32492296871 := (3249 - 2 + 29 - 6 - 8 - 71)^3.$$

$$32522853888 := (-3 + 25 + 2285 - 3 + 888)^3.$$

$$:= (3252 + 28 - 5 - 3 + 8 - 88)^3.$$

$$32553430057 := (3255 - 34 - 30 - 05 + 7)^3.$$

$$32584025384 := (3258 - 40 - 25 - 3 + 8 - 4)^3.$$

$$32614639875 := (3261 + 4 + 6 - 3 + 9 - 87 + 5)^3.$$

$$32614639875 := (3261 - 46 + 3 - 98 + 75)^3.$$

$$32625390625 := (3 + 26 - 2 - 5 + 390 + 6 + 2 + 5)^4.$$

$$:= (3 + 2 - 62 - 53 - 90 + 625)^4.$$

$$:= (326 + 25 + 3 + 90 + 6 - 25)^4.$$

$$32645273536 := (3264 + 5 + 2 - 73 - 5 - 3 + 6)^3.$$

$$:= (3264 + 52 - 73 - 53 + 6)^3.$$

$$:= (-326 - 4 - 5 + 2 - 7 + 3536)^3.$$

$$:= (3264 - 5 + 2 - 73 + 5 - 3 + 6)^3.$$

$$32675926373 := (3267 + 5 + 9 - 2 - 6 - 3 - 73)^3.$$

$$:= (3267 + 5 - 9 - 26 - 37 - 3)^3.$$

$$32706598392 := (-3 + 2706 + 5 + 98 + 392)^3.$$

$$:= (3270 - 6 - 5 - 98 + 39 - 2)^3.$$

$$32737289599 := (3273 - 7 + 28 + 9 - 5 - 99)^3.$$

$$32798729601 := (3279 + 8 + 7 + 2 - 96 + 01)^3.$$

$$32829478408 := (3282 - 9 - 47 + 8 - 40 + 8)^3.$$

$$32860246427 := (3286 - 02 - 46 - 42 + 7)^3.$$

$$32891033664 := (3289 + 10 - 33 - 66 + 4)^3.$$

$$32921840125 := (3292 - 1 - 84 + 01 + 2 - 5)^3.$$

$$32933538576 := (3 + 2 - 93 + 353 + 85 + 76)^4.$$

$$:= (32 + 93 - 3 - 5 + 385 - 76)^4.$$

$$:= (329 + 33 - 5 - 3 + 85 - 7 - 6)^4.$$

$$32983510743 := (3 - 298 + 3510 - 7 - 4 + 3)^3.$$

$$33014374912 := (3301 - 4 - 37 - 49 - 1 - 2)^3.$$

$$33038369407 := (3 + 30 - 3 - 836 + 940 - 7)^5.$$

$$:= (-330 + 38 - 3 + 6 + 9 + 407)^5.$$

$$:= (33 - 03 - 8 + 3 + 69 + 40 - 7)^5.$$

$$33061785241 := (3306 + 178524 - 1)^2.$$

$$33138024128 := (3313 - 80 + 2 + 4 + 1 - 28)^3.$$

$$33168984597 := (3 + 3168 + 98 - 4 - 59 + 7)^3.$$

$$:= (3316 - 8 - 98 - 4 + 5 + 9 - 7)^3.$$

$$33199964344 := (3 + 3199 - 9 + 6 + 4 + 3 + 4 + 4)^3.$$

$$:= (3319 - 9 + 9 - 64 + 3 - 44)^3.$$

$$33230963375 := (3 + 3230 - 9 + 63 + 3 - 75)^3.$$

$$:= (3323 - 096 + 3 - 3 - 7 - 5)^3.$$

$$33243864241 := (33 + 243 - 86 - 4 + 241)^4.$$

$$:= (332 - 4 + 38 + 64 + 2 - 4 - 1)^4.$$

$$:= (3 - 3 - 2 - 4 + 386 + 42 + 4 + 1)^4.$$

$$:= (33 - 243 - 8 + 642 + 4 - 1)^4.$$

$$33261981696 := (3 + 3261 - 9 - 8 - 16 - 9 - 6)^3.$$

$$:= (3326 + 1 + 9 - 8 - 16 - 96)^3.$$

$$33293019313 := (3 + 3293 + 01 - 93 + 13)^3.$$

$$\begin{aligned} 33324076232 &:= (3 - 3 + 3240 - 7 + 6 - 23 + 2)^3. \\ &:= (33 + 3240 - 76 + 23 - 2)^3. \\ &:= (3332 - 40 - 7 - 62 - 3 - 2)^3. \end{aligned}$$

$$33417362861 := (3341 - 73 - 62 + 8 + 6 + 1)^3.$$

$$33542015625 := (3354 + 2 - 0156 + 25)^3.$$

$$\begin{aligned} 33556377856 &:= (335 + 5 - 6 + 37 - 7 + 8 + 56)^4. \\ &:= (33 - 55 - 6 + 377 + 85 - 6)^4. \\ &:= (-3355 - 6 + 3778 + 5 + 6)^4. \\ &:= (3 - 355 - 6 - 3 + 778 + 5 + 6)^4. \end{aligned}$$

$$\begin{aligned} 33573227176 &:= (33 - 57 + 3227 + 17 + 6)^3. \\ &:= (3 - 3 - 5 - 7 + 3227 + 17 - 6)^3. \end{aligned}$$

$$33604458083 := (3360 + 4 + 4 - 58 - 083)^3.$$

$$\begin{aligned} 33729575391 &:= (337 + 2957 - 53 - 9 - 1)^3. \\ &:= (3372 - 9 + 5 + 7 - 53 - 91)^3. \end{aligned}$$

$$33760903168 := (3 + 3 + 7 + 60 - 9 + 03168)^3.$$

$$33823616904 := (-33 + 8 + 2361 - 6 + 904)^3.$$

$$\begin{aligned} 33871089681 &:= (3 + 3 + 8 + 7 + 1089 - 681)^4. \\ &:= (338 + 71 + 089 - 68 - 1)^4. \end{aligned}$$

$$33917833053 := (3 - 3 + 9 + 178 - 3 + 3053)^3.$$

$$33980740919 := (3 - 39 - 807 + 4091 - 9)^3.$$

$$34075248488 := (3407 + 5 - 2 + 4 - 84 - 88)^3.$$

$$34106789907 := (3410 - 67 - 8 - 99 + 07)^3.$$

$$34138350784 := (3413 - 83 + 5 - 07 - 84)^3.$$

$$\begin{aligned} 34169931125 &:= (3 + 4169 - 931 + 1 - 2 + 5)^3. \\ &:= (34 - 1 + 6 + 99 + 3112 - 5)^3. \end{aligned}$$

$$34264788992 := (3426 + 4 + 7 - 88 - 9 - 92)^3.$$

$$\begin{aligned} 34296447249 &:= (3 + 42 + 96 - 44 + 7 + 2 - 49)^6. \\ &:= (342 + 9 + 6 - 44 - 7 - 249)^6. \\ &:= (34 - 29 - 6 - 4 + 47 + 24 - 9)^6. \end{aligned}$$

$$34328125000 := (-34 + 3281 - 2 + 5 + 000)^3.$$

$$\begin{aligned} 34359738368 &:= (3 + 4 - 3 - 5 + 973 - 836 - 8)^5. \\ &:= (3 + 43 - 59 - 7 - 3 + 83 + 68)^5. \end{aligned}$$

$$:= (-343 - 5 + 97 + 3 + 8 + 368)^5.$$

$$:= (34 - 35 + 973 - 836 - 8)^5.$$

$$:= (34 + 35 - 97 + 3 - 8 - 3 + 68)^7.$$

$$:= (34 - 3 + 59 - 73 + 83 - 68)^7.$$

$$:= (343 + 59 - 738 + 368)^7.$$

$$:= (3 - 4 - 359 + 7 + 383 - 6 + 8)^7.$$

$$:= (3 + 43 + 5 + 9 - 73 + 83 - 68)^{35}.$$

$$:= (3 - 4 + 359 + 7 - 3 + 8 - 368)^{35}.$$

$$:= (34 + 35 - 9 - 73 + 83 - 68)^{35}.$$

$$:= (34 - 35 + 97 + 3 - 83 - 6 - 8)^{35}.$$

$$34423275277 := (-3 + 4 + 423 + 2752 + 77)^3.$$

$$34507149121 := (3 + 450 - 71 + 49 - 1 + 2 - 1)^4.$$

$$:= (3 - 4 + 507 - 1 - 4 - 91 + 21)^4.$$

$$:= (345 - 07 - 1 + 4 + 91 - 2 + 1)^4.$$

$$34518601216 := (3451 - 8 - 60 - 121 - 6)^3.$$

$$34828517376 := (3 + 482 + 8 - 5 + 17 + 3 - 76)^4.$$

$$:= (348 + 2 + 8 - 5 - 1 + 7 - 3 + 76)^4.$$

$$:= (34 - 8 - 28 + 51 + 7 + 376)^4.$$

$$34837625096 := (3 - 4 + 8 + 3762 - 509 + 6)^3.$$

$$34869635163 := (-348 + 6 + 96 + 3516 - 3)^3.$$

$$34933714109 := (-3 - 49 + 3371 - 41 - 09)^3.$$

$$34965783000 := (349 - 6 + 5 - 78 + 3000)^3.$$

$$35152125121 := (35 + 1 + 521 + 2 - 5 - 121)^4.$$

$$35255286639 := (-3 + 5 + 2552 + 86 + 639)^3.$$

$$:= (352 + 55 + 2866 - 3 + 9)^3.$$

$$:= (3525 - 5 - 286 + 6 + 39)^3.$$

$$35287552000 := (3 + 5287 - 5 - 5 - 2000)^3.$$

$$:= (3528 + 7 - 55 - 200 + 0)^3.$$

$$35477982736 := (3 + 54 + 7 - 7 + 98 + 273 + 6)^4.$$

$$:= (35 + 477 - 9 + 8 + 2 - 73 - 6)^4.$$

$$:= (354 - 7 + 7 + 9 + 8 + 27 + 36)^4.$$

$$35546383872 := (3 + 55 - 4 - 638 + 3872)^3.$$

$$35546383872 := (3 - 554 + 6 + 3838 - 7 + 2)^3.$$

$$35578826569 := (-3 + 557 + 88 + 2656 - 9)^3.$$

$$:= (3557 + 8 - 8 - 265 + 6 - 9)^3.$$

$$35611289000 := (3 - 5611 - 2 + 8900 + 0)^3.$$

$$35723051649 := (3 + 57 + 2 - 3 + 051 + 6 + 4 + 9)^5.$$

$$:= (35 + 72 + 30 - 51 - 6 + 49)^5.$$

$$:= (357 - 230 + 5 - 16 + 4 + 9)^5.$$

$$35741336184 := (-3 - 57 + 4 + 1 + 3361 - 8 - 4)^3.$$

$$35773897375 := (3577 - 3 + 89 + 7 - 375)^3.$$

$$36002379608 := (3600 - 237 - 9 - 60 + 8)^3.$$

$$36101900025 := (3 + 6 - 1 + 0190002 - 5)^2.$$

$$36133376616 := (-36 + 1 + 3337 - 6 - 6 + 16)^3.$$

$$36136489216 := (3 + 61 + 364 + 8 + 9 - 2 - 1 - 6)^4.$$

$$:= (361 - 36 + 4 + 89 + 2 + 16)^4.$$

$$:= (3 - 61 - 3 - 6 + 489 - 2 + 16)^4.$$

$$:= (36 - 1 - 3 - 6 - 489 + 21 + 6)^4.$$

$$36198994112 := (3619 + 89 + 9 - 411 + 2)^3.$$

$$36231832629 := (36 - 2 - 3 - 1 + 8 + 3262 + 9)^3.$$

$$36330467328 := (3 - 6 + 3304 - 6 - 7 + 32 - 8)^3.$$

$$36363385297 := (36 - 3 - 6 + 3385 - 2 - 97)^3.$$

$$:= (3 - 636 - 3 + 3852 + 97)^3.$$

$$36396323144 := (-3 + 63 + 9 + 6 + 3231 + 4 + 4)^3.$$

$$:= (36 - 3 + 963 + 2314 + 4)^3.$$

$$:= (3639 - 6 - 3 + 2 - 314 - 4)^3.$$

$$36429280875 := (-3 + 6 + 429 + 2808 + 75)^3.$$

$$36469158961 := (3 + 6 + 469 + 1 - 58 + 9 + 6 + 1)^4.$$

$$:= (36 + 469 - 1 - 5 + 8 - 9 - 61)^4.$$

$$:= (364 - 6 + 91 + 58 - 9 - 61)^4.$$

$$36528273432 := (-3 + 65 + 2827 - 3 + 432)^3.$$

$$36594368000 := (-365 + 9 - 4 + 3680 + 00)^3.$$

$$36804120336 := (3 - 6 + 80 + 4 + 1 + 20 + 336)^4.$$

$$:= (368 + 041 + 2 + 033 - 6)^4.$$

$$:= (36 - 804 + 1203 - 3 + 6)^4.$$

$$36859543552 := (3685 + 9 - 5 - 4 - 355 - 2)^3.$$

$$36892780289 := (3689 + 2 + 7 - 80 - 289)^3.$$

$$36926037000 := (36 - 9 + 2603 + 700 + 0)^3.$$

$$37025927037 := (-3702 + 5 - 9 + 2 + 7037)^3.$$

$$37059263704 := (-3 + 705 - 9 + 2637 + 04)^3.$$

$$:= (-370 - 5 + 9 + 2 - 6 + 3704)^3.$$

$$:= (3705 - 9 - 2 + 6 - 370 + 4)^3.$$

$$37092620375 := (-3 + 709 + 2620 - 3 + 7 + 5)^3.$$

$$37125997056 := (37 + 1 + 2599 + 705 - 6)^3.$$

$$37129300000 := (-3 + 7 + 129 - 3 + 0000 + 0)^5.$$

$$37141383841 := (3 - 71 + 413 + 8 + 3 + 84 - 1)^4.$$

$$:= (371 - 4 - 1 + 38 + 38 - 4 + 1)^4.$$

$$:= (3 - 7 - 14 - 1 - 383 + 841)^4.$$

$$37293180821 := (-3 + 72 + 9 + 3180 + 82 + 1)^3.$$

$$37326677688 := (3 - 7 + 3266 - 7 - 7 + 6 + 88)^3.$$

$$37393731584 := (3739 - 3 + 7 - 315 - 84)^3.$$

$$37427288625 := (3 - 7 + 4 + 2728 - 8 + 625)^3.$$

$$37480960000 := (3 - 74 - 80 - 9 + 600 + 00)^4.$$

$$37822859361 := (3 + 7 + 8 + 22 + 8 + 5 - 93 + 61)^8.$$

$$:= (3 + 78 - 228 + 593 - 6 + 1)^4.$$

$$:= (37 + 8 - 2 + 28 + 5 + 9 - 3 - 61)^8.$$

$$:= (378 + 2 + 2 + 85 + 9 - 36 + 1)^4.$$

$$:= (378 + 2 - 2 + 8 + 5 - 9 - 361)^8.$$

$$:= (3 - 782 + 285 + 936 - 1)^4.$$

$$37933056000 := (-3 + 7 - 9 + 3305 + 60 + 00)^3.$$

$$37966934881 := (37 - 96 - 69 + 3488 + 1)^3.$$

$$38034753147 := (38 + 03475 - 3 - 147)^3.$$

$$38068692544 := (3 + 806 + 8 - 6 + 9 + 2544)^3.$$

$$:= (3 + 8 - 06 + 8 - 6 - 9 + 2 + 54 + 4)^6.$$

$$:= (3 - 80 + 686 - 9 + 2 - 544)^6.$$

$$:= (38 - 068 + 69 - 25 + 44)^6.$$

$$38136631896 := (-381 + 3663 + 1 + 89 - 6)^3.$$

$$38167092496 := (38 + 1 + 6 - 7 - 092 + 496)^4.$$

$$:= (381 + 67 - 09 + 2 + 4 - 9 + 6)^4.$$

$$:= (3 - 8 - 1 - 6 + 709 - 249 - 6)^4.$$

$$38306833811 := (3830 + 6 - 83 - 381 - 1)^3.$$

$$38340934848 := (38 + 3409 - 3 + 4 - 84 + 8)^3.$$

$$38443359375 := (3 + 8 + 4 - 4 + 3359 + 3 + 7 - 5)^3.$$

$$:= (3 + 84 - 433 - 5 - 9 + 375)^9.$$

$$:= (38 + 4 + 4 + 335 + 9 - 375)^9.$$

$$:= (384 - 433 - 5 - 9 + 3 + 75)^9.$$

$$38513670001 := (3 - 8 + 513 + 6 - 70 - 001)^4.$$

$$38579489651 := (3 + 85 + 79 - 4 - 89 + 6 + 51)^5.$$

$$:= (38 + 5 + 79 - 48 - 9 + 65 + 1)^5.$$

$$:= (385 - 7 - 94 - 89 - 65 + 1)^5.$$

$$38648755341 := (3864 - 87 - 55 - 341)^3.$$

$$38854881603 := (3885 - 488 - 1 - 6 - 03)^3.$$

$$38862602496 := (388 - 6 + 2 - 60 + 24 + 96)^4.$$

$$:= (3 - 88 - 62 + 602 + 4 - 9 - 6)^4.$$

$$38923752869 := (3 + 892 - 375 + 2869)^3.$$

$$:= (3892 + 3 + 7 - 528 + 6 + 9)^3.$$

$$39061739457 := (3906 - 17 - 39 - 457)^3.$$

$$39213900625 := (392 - 13 + 9 + 0062 - 5)^4.$$

$$:= (-39 - 2 - 139 + 00625)^4.$$

$$39269330199 := (3 + 92 - 6 + 9 + 3301 + 9 - 9)^3.$$

$$39373400808 := (3 + 9 - 3 - 7 + 3400 - 8 + 08)^3.$$

$$:= (39 - 37 + 3400 + 8 - 08)^3.$$

$$39442883264 := (-3 + 9 + 4 + 42 + 88 + 3264)^3.$$

$$39512447416 := (-3 + 951 + 2447 + 4 + 1 + 6)^3.$$

$$39567575056 := (3 + 9 + 5 - 6 - 7 - 57 + 505 - 6)^4.$$

$$:= (-39 + 56 - 75 - 7 + 505 + 6)^4.$$

$$:= (395 - 67 + 57 + 5 + 056)^4.$$

$$39922038025 := (-3992 + 203802 - 5)^2.$$

$$39923636481 := (3 + 992 + 3 - 636 + 4 + 81)^4.$$

$$:= (3 - 9 - 9 + 23 - 6 - 36 + 481)^4.$$

$$:= (399 - 2 + 36 - 3 - 64 + 81)^4.$$

$$39931550632 := (3993 + 1 - 550 + 6 - 32)^3.$$

$$39992000400 := (39 - 99 + 200040 + 0)^2.$$

$$39993200289 := (-399 + 93 + 200289)^2.$$

$$40071907448 := (-4007 - 19 + 07448)^3.$$

$$40074642432 := (4 + 0074 - 6 + 4 + 24 + 32)^5.$$

$$:= (40 + 074 + 6 + 4 - 24 + 32)^5.$$

$$:= (-400 - 74 + 642 - 4 - 32)^5.$$

$$40177390625 := (-401 - 77 + 3906 + 2 - 5)^3.$$

$$40282095616 := (402 + 8 - 2 + 095 - 61 + 6)^4.$$

$$40282095616 := (40 - 2 + 8 - 209 - 5 + 616)^4.$$

$$40530337875 := (405 + 3033 - 78 + 75)^3.$$

$$40642963201 := (4 + 06 + 429 - 6 - 3 + 20 - 1)^4.$$

$$:= (406 + 4 + 2 + 9 + 6 + 3 + 20 - 1)^4.$$

$$:= (40 - 6 - 4 + 2 + 96 + 320 + 1)^4.$$

$$40849752384 := (-4084 + 9 + 7523 - 8 + 4)^3.$$

$$40885346125 := (4 + 08 - 8 + 5 + 3461 - 25)^3.$$

$$40956595623 := (4095 + 6 - 595 - 62 + 3)^3.$$

$$41135081408 := (4 - 11 + 3508 - 1 - 40 - 8)^3.$$

$$41206620664 := (4120 - 6 + 6 - 2 - 0664)^3.$$

$$41349947912 := (41 + 3499 - 4 - 79 - 1 + 2)^3.$$

$$41371966801 := (4 - 137 + 1 - 96 + 680 - 1)^4.$$

$$:= (413 - 71 + 96 + 6 + 8 - 01)^4.$$

$$41385831579 := (-4 - 1 + 3858 - 315 - 79)^3.$$

$$41421736000 := (-4 - 142 - 1 + 7 + 3600 + 0)^3.$$

$$41529573847 := (-415 + 29 - 5 + 7 + 3847)^3.$$

$$41601569625 := (4160 - 1 + 5 - 696 + 2 - 5)^3.$$

$$41615795893 := (4 + 161 - 5 + 79 - 5 - 8 - 93)^5.$$

$$:= (41 + 6 - 1 + 5 - 7 + 9 - 5 - 8 + 93)^5.$$

$$:= (4 - 16 - 15 + 79 - 5 + 89 - 3)^5.$$

$$41637598696 := (4163 - 7 + 5 + 9 - 8 - 696)^3.$$

$$41740124416 := (4 + 1 + 7 + 40 - 12 - 4 + 416)^4.$$

$$:= (41 + 7 - 4012 + 4416)^4.$$

$$:= (417 + 4 + 01 + 2 + 44 - 16)^4.$$

$$41745810709 := (4174 - 5 + 8 + 1 - 0709)^3.$$

$$41999034176 := (4199 - 903 + 4 + 176)^3.$$

$$42035292333 := (-42 + 03529 + 23 - 33)^3.$$

$$42050833969 := (4 + 205083 - 39 + 6 + 9)^2.$$

$$42051244096 := (-4 + 205124 + 40 - 96)^2.$$

$$42082009321 := (4208 + 200932 - 1)^2.$$

$$42110733681 := (4 - 2 + 11 + 073 + 368 - 1)^4.$$

$$:= (421 + 107 - 3 - 3 - 68 - 1)^4.$$

$$:= (-42 - 110 - 73 - 3 + 681)^4.$$

$$42180533641 := (42 + 1 + 80 - 5 + 3364 - 1)^3.$$

$$:= (4 - 2 + 1 + 80 + 53 - 36 - 41)^6.$$

$$:= (42 + 1 - 8 - 053 + 36 + 41)^6.$$

$$42435510272 := (-42 + 4 + 3551 - 027 + 2)^3.$$

$$42483805456 := (4 - 2 + 4 - 83 + 80 - 5 + 456)^4.$$

$$:= (424 + 8 - 3 + 80 - 54 + 5 - 6)^4.$$

$$42618264157 := (-42 - 618 + 2 - 6 + 4157)^3.$$

$$42618442977 := (4 + 26 + 18 + 4 - 42 + 9 + 7 + 7)^7.$$

$$:= (4 - 2 + 6 + 18 + 4 - 4 + 2 - 9 + 7 + 7)^7.$$

$$:= (42 + 6 + 18 - 44 + 2 + 9 + 7 - 7)^7.$$

$$:= (426 - 1 - 84 - 4 - 297 - 7)^7.$$

$$42654877784 := (4265 + 4 - 8 + 7 - 778 + 4)^3.$$

$$42764844473 := (4276 - 4 - 844 - 4 + 73)^3.$$

$$42838260499 := (-42 + 838 + 2604 + 99)^3.$$

$$42859350625 := (-4 - 28 + 5 - 93 - 50 + 625)^4.$$

$$:= (-42 - 85 - 93 + 50 + 625)^4.$$

$$:= (428 - 593 - 5 + 0625)^4.$$

$$42985344527 := (-4 + 2985 + 3 - 4 - 4 + 527)^3.$$

$$43059012625 := (4 - 30 + 5 + 901 + 2625)^3.$$

$$43132764843 := (4313 - 27 + 64 - 843)^3.$$

$$43169672512 := (4 + 31 - 6 + 967 + 2512)^3.$$

$$43204003424 := (432 + 040 - 0342 + 4)^5.$$

$$43237380096 := (4 + 32 + 37 + 380 + 09 - 6)^4.$$

$$:= (43 + 23 + 7 + 380 + 09 - 6)^4.$$

$$:= (432 + 37 + 3 + 80 - 096)^4.$$

$$43243551000 := (-43 - 2 + 4 + 3551 + 000)^3.$$

$$43317513728 := (-43 + 3 - 175 - 1 + 3728)^3.$$

$$43354526697 := (4 - 3 + 3545 - 2 + 66 - 97)^3.$$

$$43428615875 := (4 + 3428 + 6 - 1 - 5 + 8 + 75)^3.$$

$$:= (4342 - 8 + 61 - 5 - 875)^3.$$

$$43465692096 := (4 + 3465 - 69 + 20 + 96)^3.$$

$$43502789413 := (4 + 3502 - 7 - 8 + 9 + 4 + 13)^3.$$

$$43539907832 := (4 + 3539 - 9 - 07 - 8 - 3 + 2)^3.$$

$$:= (4353 - 9 - 907 + 83 - 2)^3.$$

$$43577047359 := (-4 + 3577 - 047 - 3 + 5 - 9)^3.$$

$$43617904801 := (4 + 361 + 7 + 90 + 4 - 8 - 01)^4.$$

$$:= (43 + 6 + 17 - 90 + 480 + 1)^4.$$

$$:= (436 + 17 + 9 + 04 - 8 - 01)^4.$$

$$43688592648 := (4 - 3 + 6 + 8 + 859 + 2648)^3.$$

$$43763061824 := (437 - 6 + 3061 + 8 + 24)^3.$$

$$43800328125 := (-4 + 3800 + 3 - 281 + 2 + 5)^3.$$

$$43912253952 := (-439 + 12 - 2 + 5 + 3952)^3.$$

$$44000935696 := (-4 + 400 - 09 + 3 + 5 + 69 - 6)^4.$$

$$44102100025 := (4 + 4 - 10 + 210002 + 5)^2.$$

$$44211654656 := (-4 + 4211 - 6 - 5 - 4 - 656)^3.$$

$$44286716872 := (4428 - 6 - 7 + 1 - 6 - 872)^3.$$

$$44324279819 := (-4 + 4324 - 2 - 798 + 19)^3.$$

$$44361864000 := (-44 + 3618 + 6 - 40 + 00)^3.$$

$$44386483761 := (4 + 4 + 386 - 4 + 83 - 7 - 6 - 1)^4.$$

$$:= (4 + 438 + 6 - 4 + 83 - 7 - 61)^4.$$

$$:= (443 - 86 - 4 + 8 + 37 + 61)^4.$$

$$44437096088 := (44 + 4370 - 960 + 88)^3.$$

$$44840334375 := (4 + 4 - 8 + 403 - 343 + 75)^5.$$

$$:= (44 + 8 + 40 - 33 + 4 - 3 + 75)^5.$$

$$44852393377 := (4485 - 2 + 3 - 933 + 7 - 7)^3.$$

$$45004049693 := (-4 - 500 + 4049 + 6 + 9 - 3)^3.$$

$$45165175441 := (4 + 5 - 16 + 5 + 17 + 5 + 441)^4.$$

$$:= (4 + 516 - 5 + 1 - 7 - 5 - 44 + 1)^4.$$

$$:= (451 + 6 - 51 + 7 + 5 + 44 - 1)^4.$$

$$:= (451 + 65 - 17 + 5 - 44 + 1)^4.$$

$$:= (45 - 1 - 6 - 5 - 1 - 7 - 5 + 441)^4.$$

$$45308387125 := (4 + 5 - 308 + 3871 - 2 - 5)^3.$$

$$45422866432 := (4 - 5 + 4228 - 664 + 3 + 2)^3.$$

$$45558341136 := (4 + 55 + 58 + 341 + 1 - 3 + 6)^4.$$

$$:= (45 + 558 - 34 - 113 + 6)^4.$$

$$:= (455 - 5 - 83 - 41 + 136)^4.$$

$$45614093517 := (45 + 6 + 14 - 09 + 3517)^3.$$

$$45690734375 := (4 + 56 + 90 - 7 + 3437 - 5)^3.$$

$$45844273539 := (4 + 5 - 8 + 44 + 2 - 7 + 3539)^3.$$

$$:= (45 + 8 - 4 - 4 + 2 - 7 + 3539)^3.$$

$$45954068161 := (-45 + 9 + 5 + 406 + 81 + 6 + 1)^4.$$

$$:= (4 - 5 - 95 + 406 - 8 + 161)^4.$$

$$:= (459 - 54 + 06 - 8 - 1 + 61)^4.$$

$$45998156287 := (-4 + 59 + 9815 - 6287)^3.$$

$$46036680704 := (-4 - 6 + 03668 - 070 - 4)^3.$$

$$46190993472 := (4 - 6 + 19 + 099 + 3472)^3.$$

$$46306954071 := (-4 - 6 + 3069 + 540 - 7 - 1)^3.$$

$$46352367616 := (4 - 63 + 523 + 67 - 61 - 6)^4.$$

$$:= (463 - 52 + 36 + 7 - 6 + 16)^4.$$

$$:= (46 - 352 - 3 + 6 + 761 + 6)^4.$$

$$46384368857 := (4 - 6 + 3 - 84 + 3688 - 5 - 7)^3.$$

$$46525874176 := (4 + 65 - 2 + 58 + 7 + 4 + 1 - 7 + 6)^5.$$

$$:= (46 + 5 + 258 + 7 - 4 - 176)^5.$$

$$:= (46 - 5 + 2 - 58 + 74 + 1 + 76)^5.$$

$$:= (4 - 65 + 258 - 7 - 41 - 7 - 6)^5.$$

$$46656000000 := (4 + 6 - 6 + 56 + 000000)^6.$$

$$46733803208 := (4 + 6 + 7 + 3380 - 3 + 208)^3.$$

$$46753250625 := (4 - 6 + 75 + 325 + 062 + 5)^4.$$

$$:= (46 - 75 - 3 - 2 + 506 - 2 - 5)^4.$$

$$:= (467 - 5 - 3 - 2 - 5 + 06 + 2 + 5)^4.$$

$$46811692864 := (4 - 6 + 811 - 69 + 2864)^3.$$

$$46892170116 := (-468 + 9 + 217011 - 6)^2.$$

$$47156728336 := (4 - 71 + 567 - 28 + 3 - 3 - 6)^4.$$

$$:= (471 - 5 - 67 + 28 + 3 + 36)^4.$$

$$47359345032 := (47 + 3593 - 4 - 50 + 32)^3.$$

$$47398625659 := (4 + 73 + 986 + 2565 - 9)^3.$$

$$47437928000 := (4 - 7 - 4379 + 2 + 8000)^3.$$

$$47562811921 := (475 + 62 - 81 - 1 - 9 + 21)^4.$$

$$:= (4 - 756 + 28 + 1192 - 1)^4.$$

$$47595354624 := (-47 + 5 - 953 - 5 + 4624)^3.$$

$$47713652883 := (4 + 771 - 36 + 5 + 2883)^3.$$

$$47971512576 := (47 - 9 + 7 - 151 - 2 + 576)^4.$$

$$:= (4 - 7 - 97 - 1 + 5 - 12 + 576)^4.$$

$$:= (479 - 7 - 15 - 1 + 25 - 7 - 6)^4.$$

$$47990444104 := (-479 + 9 - 04 + 4 + 4104)^3.$$

$$:= (-4 - 799 + 04441 - 04)^3.$$

$$48069723456 := (4806 + 9 - 723 - 456)^3.$$

$$48261724457 := (4 + 8 + 2 - 6 + 1 + 72 + 4 + 45 + 7)^5.$$

$$:= (48 - 26 + 172 - 4 + 4 - 57)^5.$$

$$:= (-482 - 6 + 172 - 4 + 457)^5.$$

$$48382841521 := (4 + 8 - 3 + 8 - 28 - 41 + 521)^4.$$

$$:= (48 + 3 - 8 + 2 + 8 + 415 + 2 - 1)^4.$$

$$:= (48 + 382 - 8 + 41 + 5 + 2 - 1)^4.$$

$$:= (483 + 82 - 84 - 15 + 2 + 1)^4.$$

$$48402200025 := (48 - 40 + 220002 - 5)^2.$$

$$48427561125 := (-4 - 8 + 4275 - 611 - 2 - 5)^3.$$

$$48627125000 := (4862 - 712 - 500 + 0)^3.$$

$$48707103808 := (4 - 870 + 710 + 3808)^3.$$

$$48796810000 := (487 - 9 - 6 + 8 - 10 + 000)^4.$$

$$48827236375 := (4 - 8 - 8 + 27 - 2 + 3637 + 5)^3.$$

$$49108313528 := (4 - 9 + 108 + 31 + 3528)^3.$$

$$49213429281 := (4 + 9 + 2 + 1 - 3 + 429 + 28 + 1)^4.$$

$$:= (49 + 2 + 1 - 3 + 429 + 2 - 8 - 1)^4.$$

$$:= (492 + 1 + 34 - 29 - 28 + 1)^4.$$

$$49221859600 := (4 - 9 + 221859 + 6 + 00)^2.$$

$$49350093632 := (49 + 3500 + 93 - 6 + 32)^3.$$

$$49382172841 := (4938 + 217284 - 1)^2.$$

$$49471280711 := (4947 - 1280 - 7 + 11)^3.$$

$$49632710656 := (4 - 9 + 632 + 7 - 106 - 56)^4.$$

$$:= (496 + 32 - 7 + 10 - 65 + 6)^4.$$

$$49673699776 := (49 + 6 - 7 + 3699 - 77 + 6)^3.$$

$$49714249733 := (-497 + 1 + 4249 - 73 - 3)^3.$$

$$50039444125 := (-50 - 0394 + 4 + 4125)^3.$$

$$50049003168 := (50 + 04 + 90 - 03 - 1 + 6 - 8)^5.$$

$$50054665441 := (500 + 5 - 4 + 6 + 6 + 5 - 4 - 41)^4.$$

$$:= (50 - 05 + 466 + 5 - 44 + 1)^4.$$

$$:= (5 - 005 - 4 - 66 + 544 - 1)^4.$$

$$50120963703 := (-50 - 1 + 20 + 9 + 6 + 3703)^3.$$

$$50366053557 := (50 + 3660 + 5 + 35 - 57)^3.$$

$$50447927375 := (-50 + 4479 - 2 - 737 + 5)^3.$$

$$50479304976 := (50 + 4 - 7 + 930 - 497 - 6)^4.$$

$$:= (504 - 7 + 9 + 30 - 49 - 7 - 6)^4.$$

$$50529889873 := (5 - 05298 + 8987 + 3)^3.$$

$$50906640625 := (5 - 09 + 066 + 406 + 2 + 5)^4.$$

$$:= (-50 - 90 + 6 + 640 - 6 - 25)^4.$$

$$51023529829 := (5 + 102 + 3529 + 82 - 9)^3.$$

$$51173226225 := (5 - 11 - 7 + 3 + 226225)^2.$$

$$51188788097 := (-5118 + 8 + 7 + 8809 + 7)^3.$$

$$51336683776 := (5 + 13 - 366 + 837 - 7 - 6)^4.$$

$$:= (5 + 1336 - 6 - 83 - 776)^4.$$

$$:= (513 + 3 - 6 - 6 + 8 - 37 + 7 - 6)^4.$$

$$:= (5 - 13 - 366 + 837 + 7 + 6)^4.$$

$$51395862232 := (-5 + 1 + 3958 - 6 + 2 - 232)^3.$$

$$51437343959 := (5 + 1 + 4 + 3734 - 39 + 5 + 9)^3.$$

$$51520374361 := (-5 + 1 - 5 - 20 + 3743 + 6 + 1)^3.$$

$$:= (51 + 5 - 20 - 37 + 4 - 3 + 61)^6.$$

$$:= (5 - 15 + 20 + 37 + 4 + 3 + 6 + 1)^6.$$

$$:= (515 + 20 - 37 - 436 - 1)^6.$$

$$51769445841 := (5 + 17 + 6 + 9 + 445 - 8 + 4 - 1)^4.$$

$$:= (5 + 1 - 76 + 94 + 458 - 4 - 1)^4.$$

$$:= (517 - 6 + 94 - 45 - 84 + 1)^4.$$

$$:= (51 - 7 - 6 - 9 + 445 + 8 - 4 - 1)^4.$$

$$51853389489 := (5 + 1 - 85 + 3 + 3894 - 89)^3.$$

$$51888844699 := (5 + 1 + 88 - 8 - 8 - 44 + 6 + 99)^5.$$

$$:= (5 + 188 + 8 + 8 + 4 + 4 - 69 - 9)^5.$$

$$:= (51 + 8 + 8 + 88 + 44 - 69 + 9)^5.$$

$$51936866891 := (-51 - 9 + 3686 + 6 + 8 + 91)^3.$$

$$52187836553 := (52 + 18 + 7 + 8 + 3655 - 3)^3.$$

$$52204938256 := (522 + 04 + 9 - 38 - 25 + 6)^4.$$

$$:= (-5 - 2 - 2 + 049 + 382 + 56)^4.$$

$$:= (-52 - 2 + 0493 + 8 + 25 + 6)^4.$$

$$52287224896 := (5 + 228722 - 48 - 9 - 6)^2.$$

$$52313624000 := (5 - 231 - 36 + 2 + 4000)^3.$$

$$52397594488 := (52 - 39 - 759 + 4488)^3.$$

$$52523350144 := (5 + 2 + 523 - 3 - 501 + 4 + 4)^7.$$

$$:= (525 + 2 - 3 + 3 - 501 + 4 + 4)^7.$$

$$:= (52 - 5 - 23 - 35 + 01 + 44)^7.$$

$$52523718625 := (5 + 25 - 2 + 3718 + 6 - 2 - 5)^3.$$

$$52607913723 := (5 - 2 + 6 + 07 + 9 - 1 + 3723)^3.$$

$$52643172481 := (5 + 2 - 6 + 4 + 3 - 1 - 7 - 2 + 481)^4.$$

$$:= (5 + 26 - 43 + 1 + 7 + 2 + 481)^4.$$

$$:= (52 + 6 + 431 + 7 - 24 + 8 - 1)^4.$$

$$:= (5 - 2 + 6 - 4 + 3 - 1 - 7 - 2 + 481)^4.$$

$$:= (526 + 4 + 31 - 7 + 2 + 4 - 81)^4.$$

$$:= (52 - 6 + 431 + 7 - 2 + 4 - 8 + 1)^4.$$

$$:= (5 - 2 - 6 - 4 - 3 - 1 + 7 + 2 + 481)^4.$$

$$52902300025 := (5 + 2 - 9 + 0230002 + 5)^2.$$

$$52945593875 := (-52 - 9 - 45 - 5 - 9 + 3875)^3.$$

$$52987905216 := (-5298 + 7 + 9052 + 1 - 6)^3.$$

$$53084160000 := (-5 - 30 - 84 - 1 + 600 + 00)^4.$$

$$53157376000 := (5 + 3 - 15 + 7 + 3760 + 00)^3.$$

$$53242246728 := (-532 + 4224 + 6 + 72 - 8)^3.$$

$$53369722125 := (53 + 3697 + 22 - 12 + 5)^3.$$

$$53527912321 := (5 + 3 + 527 - 9 - 1 - 23 - 21)^4.$$

$$:= (53 + 527 - 91 - 2 - 3 - 2 - 1)^4.$$

$$:= (535 + 279 - 12 - 321)^4.$$

$$53667955648 := (5 + 3667 - 9 + 5 + 56 + 48)^3.$$

$$53710650917 := (-5 + 3710 + 65 + 09 + 1 - 7)^3.$$

$$53753368824 := (53 + 7 + 5 - 3 + 3688 + 24)^3.$$

$$53796109375 := (-5 + 3796 - 10 + 9 - 3 - 7 - 5)^3.$$

$$53838872576 := (5 + 3838 - 87 + 2 + 5 + 7 + 6)^3.$$

$$53974440976 := (5 + 3 + 97 + 444 + 09 - 76)^4.$$

$$:= (539 - 7 - 4 + 4 - 40 - 9 - 7 + 6)^4.$$

$$54002323456 := (5 + 40 + 0232345 - 6)^2.$$

$$54138849687 := (5 + 4 + 1 + 3884 - 96 - 8 - 7)^3.$$

$$54353799872 := (5 + 43 + 5 + 3799 + 8 - 72)^3.$$

$$54423757521 := (5 + 442 - 37 + 57 - 5 + 21)^4.$$

$$:= (54 + 4 - 2 - 37 - 57 + 521)^4.$$

$$:= (544 + 23 + 7 + 5 - 75 - 21)^4.$$

$$:= (54 - 42 + 375 + 75 + 21)^4.$$

$$54439939000 := (-54 + 43 - 99 + 3900 + 0)^3.$$

$$54569318257 := (54 + 569 + 3182 - 5 - 7)^3.$$

$$54612490184 := (-5 + 4612 + 4 - 901 + 84)^3.$$

$$54622233796 := (-54 - 6 - 22 + 233796)^2.$$

$$54655684875 := (5 + 4655 + 6 + 8 - 4 - 875)^3.$$

$$54742142573 := (5 - 47 - 421 + 4257 + 3)^3.$$

$$54823412736 := (5 + 48 + 234127 - 36)^2.$$

$$54875873536 := (5 + 4 + 8 + 7 + 5 - 8 - 73 + 536)^4.$$

$$:= (548 + 7 + 5 - 87 + 3 + 5 - 3 + 6)^4.$$

$$:= (54 + 87 - 5 + 8 - 7 + 353 - 6)^4.$$

$$:= (54 + 87 + 5 + 8 - 73 - 53 - 6)^8.$$

$$:= (5 - 4 + 8 - 758 + 735 + 36)^8.$$

$$:= (548 + 75 + 8 - 73 - 536)^8.$$

$$54930234384 := (5 + 4 + 9 - 30 + 234384)^2.$$

$$55132330616 := (5 + 513 - 2 + 3306 - 16)^3.$$

$$55330800625 := (553 - 3 - 08 - 0062 + 5)^4.$$

$$55655459432 := (-5565 - 54 + 5 + 9432)^3.$$

$$55730836701 := (5 + 5 - 7 + 3 + 0836 - 701)^5.$$

$$:= (55 - 7 + 30 - 8 + 3 + 67 + 01)^5.$$

$$:= (-5 - 57 + 308 - 36 - 70 + 1)^5.$$

$$55788550416 := (5 + 5 - 78 - 8 + 550 - 4 + 16)^4.$$

$$:= (55 + 78 - 8 - 5 - 50 + 416)^4.$$

$$:= (557 + 8 - 85 + 5 - 04 - 1 + 6)^4.$$

$$55874402767 := (-55 - 8 - 74 + 4027 - 67)^3.$$

$$56137891789 := (-5 + 61 + 3789 - 17 - 8 + 9)^3.$$

$$:= (-56 + 1 + 3789 - 1 + 7 + 89)^3.$$

$$56247237225 := (5 - 62 + 4 - 7 + 237225)^2.$$

$$56249134561 := (56 + 2 - 4 - 9 - 13 + 456 - 1)^4.$$

$$:= (562 + 49 - 134 + 5 + 6 - 1)^4.$$

$$:= (-56 - 2 - 49 - 1 + 34 + 561)^4.$$

$$56269946368 := (-5626 + 9 + 9463 - 6 - 8)^3.$$

$$56623104000 := (5 + 66 - 231 + 04000)^3.$$

$$56712564736 := (5 + 6 - 7 + 1 - 2 + 564 - 73 - 6)^4.$$

$$:= (567 - 12 - 56 - 47 + 36)^4.$$

$$56800235584 := (5 + 68 - 0023 + 5 - 5 + 8 + 4)^6.$$

$$:= (56 + 80 - 023 - 55 + 8 - 4)^6.$$

$$56888939736 := (56 - 88 - 89 + 3973 - 6)^3.$$

$$56933326423 := (569 - 3 + 3326 - 42 - 3)^3.$$

$$57178852641 := (5 - 71 + 78 - 8 + 526 - 41)^4.$$

$$:= (-57 - 178 + 85 - 2 + 641)^4.$$

$$:= (571 - 7 - 88 - 52 + 64 + 1)^4.$$

$$57333846016 := (5 - 733 - 3 - 8 + 4601 - 6)^3.$$

$$57378463793 := (57 + 3784 - 6 + 3 + 7 + 9 + 3)^3.$$

$$:= (-57 - 3 + 78 + 46 + 3793)^3.$$

$$57594240144 := (-57 - 5 - 94 + 240144)^2.$$

$$57601899928 := (-57 - 6018 + 9 + 9928)^3.$$

$$:= (5760 - 1899 - 9 + 2 + 8)^3.$$

$$57602400025 := (-5 + 7 + 6 + 0240002 - 5)^2.$$

$$57648010000 := (576 + 4 - 80 - 10 + 000)^4.$$

$$57735339232 := (5 + 7 + 7 - 3 + 53 + 39 + 2 + 32)^5.$$

$$:= (57 + 7 + 3 + 5 - 3 + 39 + 2 + 32)^5.$$

$$:= (5 - 773 - 5 - 3 - 3 + 923 - 2)^5.$$

$$:= (577 - 3 - 5 - 3 - 392 - 32)^5.$$

$$57736239625 := (-57 - 7 - 36 - 2 + 3962 + 5)^3.$$

$$57915683909 := (5 - 7 + 9 + 1 - 56 + 8 + 3909)^3.$$

$$58120048561 := (-58 + 1 + 2 + 00485 + 61)^4.$$

$$:= (5 - 8 + 1 - 20 - 048 + 561)^4.$$

$$:= (581 - 2 + 004 - 85 - 6 - 1)^4.$$

$$58594980096 := (5 + 8 + 5 - 9 + 498 - 009 - 6)^4.$$

$$:= (-585 + 94 + 980 + 09 - 6)^4.$$

$$58637179125 := (58 - 6 + 3717 - 9 + 125)^3.$$

$$59072816401 := (5 + 90 + 7 - 2 + 8 - 16 + 401)^4.$$

$$:= (590 - 7 + 2 - 81 - 6 - 4 - 01)^4.$$

$$59273381699 := (5 + 9 - 27 - 3 + 3816 + 99)^3.$$

$$:= (59 - 2 - 73 + 3816 + 99)^3.$$

$$59553569296 := (5 + 9 + 553 - 5 - 69 - 2 + 9 - 6)^4.$$

$$:= (59 + 553 - 5 - 6 - 92 - 9 - 6)^4.$$

$$:= (595 - 53 - 56 - 9 + 2 + 9 + 6)^4.$$

$$59638983643 := (5 - 9 + 6 + 3898 - 36 + 43)^3.$$

$$59730618429 := (-5 + 9 - 7 + 3061 + 842 + 9)^3.$$

$$59797108943 := (5 + 97 + 97 - 108 + 9 + 43)^5.$$

$$:= (59 - 7 + 9 - 7 - 10 + 8 + 94 - 3)^5.$$

$$:= (59 - 797 - 10 + 894 - 3)^5.$$

$$60037250625 := (6 + 003 + 7 - 2 + 506 - 25)^4.$$

$$:= (600 + 3 - 72 - 5 - 06 - 25)^4.$$

$$:= (-60 - 03 - 72 + 5 + 0625)^4.$$

$$60182393041 := (6018 + 239304 - 1)^2.$$

$$60328533448 := (603 - 28 - 5 + 3344 + 8)^3.$$

$$60424522596 := (604 + 245225 - 9 - 6)^2.$$

$$60523872256 := (6 + 0523 + 8 - 7 + 22 - 56)^4.$$

$$:= (60 + 52 + 387 - 2 - 2 - 5 + 6)^4.$$

$$60523872256 := (605 + 23 + 87 - 225 + 6)^4.$$

$$60782464681 := (-6 + 078 + 246468 + 1)^2.$$

$$61013446081 := (-6 - 1 + 01 + 34 + 460 + 8 + 1)^4.$$

$$:= (610 + 1 - 3 - 44 - 60 - 8 + 1)^4.$$

$$:= (61 - 013 - 4 + 460 - 8 + 1)^4.$$

$$61023377953 := (6 + 102 - 3 + 3779 + 53)^3.$$

$$61116425019 := (-6 - 1116 + 42 + 5019)^3.$$

$$61162984000 := (-61 + 16 + 2 - 9 - 8 + 4000)^3.$$

$$61396133625 := (-6 - 1 + 3961 + 3 - 3 - 6 + 2 - 5)^3.$$

$$61442834536 := (61 + 4428 - 3 - 4 - 536)^3.$$

$$61505984016 := (61 + 505 + 9 - 84 + 01 + 6)^4.$$

$$:= (6 - 1 - 5 + 05 + 98 + 401 - 6)^4.$$

$$:= (615 + 05 - 98 - 40 + 16)^4.$$

$$:= (-6 - 150 + 598 + 40 + 16)^4.$$

$$61917364224 := (61 + 9 + 17 - 3 - 6 + 42 + 24)^5.$$

$$:= (619 + 173 - 642 - 2 - 4)^5.$$

$$:= (61 - 9 - 1 + 73 - 6 + 4 - 2 + 24)^5.$$

$$:= (6 - 1 - 91 - 7 + 3 + 6 + 4 + 224)^5.$$

$$:= (6 + 19 - 173 - 64 + 224)^{10}.$$

$$:= (619 + 1 + 7 + 3 - 642 + 24)^{10}.$$

$$:= (61 - 91 + 7 + 3 + 6 + 4 - 2 + 24)^{10}.$$

$$62240377347 := (6 + 2 + 2 + 4037 - 73 - 4 - 7)^3.$$

$$62287505344 := (-622 - 8 - 750 + 5344)^3.$$

$$62512500625 := (-6 - 25 - 1 + 250062 - 5)^2.$$

$$62523502209 := (6 - 25 + 23 + 50 - 2 + 20 - 9)^6.$$

$$:= (62 - 5 + 235 - 0220 - 9)^6.$$

$$:= (-625 - 23 + 502 + 209)^6.$$

$$63001502001 := (6 + 300 - 1 - 5 + 0200 + 1)^4.$$

$$:= (630 - 0150 + 20 + 01)^4.$$

$$63139882168 := (6 - 31 + 3988 + 21 + 6 - 8)^3.$$

$$63187463087 := (-631 - 8 + 7 + 4630 - 8 - 7)^3.$$

$$63282696625 := (6 + 3282 + 696 - 6 + 2 + 5)^3.$$

$$63425726272 := (6 + 3425 - 72 + 627 + 2)^3.$$

$$63472251969 := (6 + 34 - 72 + 251969)^2.$$

$$63664587657 := (63 + 6 - 6 + 4587 - 657)^3.$$

$$63904047992 := (6 - 39 + 04047 - 9 - 9 + 2)^3.$$

$$64013554081 := (6 + 401 + 35 + 54 + 08 - 1)^4.$$

$$:= (64 - 01 + 355 + 4 + 081)^4.$$

$$:= (640 - 135 - 5 - 4 + 08 - 1)^4.$$

$$64071253129 := (6 - 4 - 07 - 1 + 253129)^2.$$

$$\begin{aligned} 64097340625 &:= (640 + 9 - 73 - 406 - 25)^5. \\ &:= (64 - 09 + 73 - 40 + 62 - 5)^5. \\ &:= (6 - 409 - 73 - 4 + 0625)^5. \end{aligned}$$

$$64144108027 := (-64 - 14 + 4108 - 027)^3.$$

$$64192192064 := (6 + 4192 - 192 - 06 + 4)^3.$$

$$64240300125 := (-6 - 4 + 2 + 4030 - 012 - 5)^3.$$

$$\begin{aligned} 64339296875 &:= (6 + 4 + 3 + 39 - 29 + 6 + 8 - 7 + 5)^7. \\ &:= (64 + 3 + 3 + 9 + 29 - 6 + 8 - 75)^7. \\ &:= (6 - 43 + 39 + 29 - 6 + 8 + 7 - 5)^7. \\ &:= (64 - 3 - 3 + 9 + 29 + 6 + 8 - 75)^7. \end{aligned}$$

$$64432972729 := (-64 + 4329 + 7 - 272 + 9)^3.$$

$$\begin{aligned} 64524128256 &:= (6 + 4 + 524 + 1 - 28 - 2 + 5 - 6)^4. \\ &:= (64 + 524 - 1 - 2 - 82 - 5 + 6)^4. \\ &:= (645 + 2 + 4 - 128 - 25 + 6)^4. \end{aligned}$$

$$64674354744 := (6 - 4 + 6 - 743 + 5 + 4744)^3.$$

$$64722703375 := (647 + 2 - 2 - 7 + 03375)^3.$$

$$\begin{aligned} 65037750625 &:= (6 + 503 - 7 + 7 + 5 - 06 + 2 - 5)^4. \\ &:= (-6 - 50 + 3 + 77 + 506 - 25)^4. \end{aligned}$$

$$65402116389 := (6 + 5 + 4021 + 1 - 6 + 3 + 8 - 9)^3.$$

$$\begin{aligned} 65554433296 &:= (6 + 5 + 554 - 43 - 3 + 2 - 9 - 6)^4. \\ &:= (6 + 555 - 44 - 3 - 3 - 2 - 9 + 6)^4. \\ &:= (65 - 5 + 544 - 3 + 3 - 2 - 96)^4. \\ &:= (655 - 5 - 443 + 3 + 296)^4. \end{aligned}$$

$$65841382872 := (-6 + 5 - 8 + 4138 - 2 - 87 - 2)^3.$$

$$\begin{aligned} 65939264000 &:= (6 + 5 + 9 + 3 - 9 + 26 + 4000)^3. \\ &:= (65 - 9 - 3 - 9 + 2 - 6 + 4000)^3. \end{aligned}$$

$$\begin{aligned} 66074188401 &:= (660 + 74 - 188 - 40 + 1)^4. \\ &:= (66 - 07 - 41 + 88 + 401)^4. \end{aligned}$$

$$66233489336 := (662 + 3348 + 9 + 33 - 6)^3.$$

$$66338290976 := (66 - 3 - 3 + 8 + 2 - 9 + 09 + 76)^5.$$

$$\begin{aligned} 66597028096 &:= (6 + 65 - 9 + 70 + 280 + 96)^4. \\ &:= (665 - 970 - 2 + 809 + 6)^4. \end{aligned}$$

$$66676466375 := (66 - 676 + 4663 + 7 - 5)^3.$$

$$66873977379 := (66 + 8 + 7 + 3977 + 3 + 7 - 9)^3.$$

$$\begin{aligned} 67121414144 &:= (-67 - 1 - 2 + 1 + 4141 - 4 - 4)^3. \\ &:= (6 - 71 - 2 - 14 + 1 + 4144)^3. \end{aligned}$$

$$\begin{aligned} 67122964561 &:= (6 + 7 - 12 + 2 + 9 - 64 + 561)^4. \\ &:= (671 + 2 + 2 - 96 - 4 - 5 - 61)^4. \\ &:= (671 - 229 + 6 + 4 + 56 + 1)^4. \end{aligned}$$

$$67259310336 := (67 + 259310 + 3 - 36)^2.$$

$$\begin{aligned} 67817482552 &:= (67 - 817 + 4825 + 5 - 2)^3. \\ &:= (-678 - 17 + 4825 - 52)^3. \end{aligned}$$

$$67917312000 := (-6 - 7917 + 3 + 12000)^3.$$

$$\begin{aligned} 67967263441 &:= (6796 + 726 - 3441)^3. \\ &:= (679 - 6 - 7 - 26 + 3441)^3. \end{aligned}$$

$$68167314125 := (6 + 8 - 16 - 7 - 31 + 4125)^3.$$

$$\begin{aligned} 68184176641 &:= (6 + 81 - 8 + 417 + 6 + 6 + 4 - 1)^4. \\ &:= (68 - 18 - 4 - 176 + 641)^4. \\ &:= (681 - 84 - 17 - 6 - 64 + 1)^4. \end{aligned}$$

$$\begin{aligned} 68641485507 &:= (6 + 8 + 6 + 4 - 1 - 4 + 85 + 50 - 7)^5. \\ &:= (68 + 64 + 1 - 48 + 55 + 07)^5. \\ &:= (686 + 4 - 1 - 485 - 50 - 7)^5. \\ &:= (686 - 41 - 4 + 8 + 5 - 507)^5. \end{aligned}$$

$$68719476736 := (-687 + 19 + 4767 + 3 - 6)^3.$$

$$\begin{aligned} 68719476736 &:= (6 + 87 + 1 + 9 + 476 - 73 + 6)^4. \\ &:= (68 + 7 - 1 - 9 + 476 + 7 - 36)^4. \\ &:= (687 - 1 - 94 - 7 + 6 - 73 - 6)^4. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 87 + 19 - 4 - 7 + 6 - 7 - 36)^6. \\ &:= (68 + 7 + 1 - 9 - 4 - 7 + 6 - 7 + 3 + 6)^6. \\ &:= (68 + 71 + 9 - 47 + 6 - 7 - 36)^6. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 87 + 1 - 9 - 47 - 6 - 7 - 3 - 6)^9. \\ &:= (68 + 7 + 19 - 47 - 67 + 36)^9. \\ &:= (687 + 19 - 4 - 7 - 673 - 6)^9. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 8 - 7 - 19 + 4 - 7 - 6 - 7 + 36)^{12}. \\ &:= (6 + 87 - 1 - 9 - 4 - 7 - 67 - 3 + 6)^{12}. \\ &:= (68 - 71 - 94 + 76 - 7 + 36)^{12}. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 87 - 194 + 76 - 7 + 36)^{18}. \\ &:= (68 + 7 + 1 + 9 - 4 - 7 - 67 + 3 - 6)^{18}. \\ &:= (687 - 19 - 4 + 76 - 736)^{18}. \end{aligned}$$

$$\begin{aligned} 68719476736 &:= (6 + 87 + 1 + 9 + 4 - 76 + 7 - 36)^{36}. \\ &:= (687 + 1 + 9 + 47 - 6 - 736)^{36}. \\ &:= (68 - 71 - 9 - 47 - 6 + 73 - 6)^{36}. \end{aligned}$$

$$\begin{aligned} 69072400727 &:= (6 - 9 + 072 + 4007 + 27)^3. \\ 69224023016 &:= (-6 + 92 + 2 + 4023 + 01 - 6)^3. \end{aligned}$$

$$\begin{aligned} 69257922561 &:= (6 + 92 + 579 - 225 + 61)^4. \\ &:= (692 - 5 + 79 + 2 - 256 + 1)^4. \\ &:= (6 - 9 - 25 - 7 + 9 - 22 + 561)^4. \\ &:= (692 - 57 - 92 - 25 - 6 + 1)^4. \end{aligned}$$

$$69426531000 := (-6 + 9426 - 5310 + 00)^3.$$

$$\begin{aligned} 69799526416 &:= (6 + 979 - 9 - 52 + 6 - 416)^4. \\ &:= (69 - 79 + 9 + 526 - 4 - 1 - 6)^4. \\ &:= (697 - 9 + 95 - 264 + 1 - 6)^4. \end{aligned}$$

$$69985463561 := (6 + 9 - 9 + 8 + 546 + 3561)^3.$$

$$70138418624 := (70 - 138 + 4186 + 2 + 4)^3.$$

$$70344300625 := (70 + 34 + 430 + 06 - 25)^4.$$

$$70393838689 := (70 + 3938 + 38 - 6 + 89)^3.$$

$$70803799353 := (-7 - 08 + 03799 + 353)^3.$$

$$\begin{aligned} 70892257536 &:= (70 - 8 - 92 - 2 + 5 + 7 + 536)^4. \\ &:= (7 - 08 - 92 - 2 + 575 + 36)^4. \\ &:= (708 - 92 - 2 - 57 - 5 - 36)^4. \end{aligned}$$

$$\begin{aligned} 71008211968 &:= (7 + 100 - 8 - 2 + 119 - 68)^5. \\ &:= (71 + 0082 + 1 - 1 + 9 - 6 - 8)^5. \end{aligned}$$

$$71266904136 := (71 + 2 + 6 - 69 + 04136)^3.$$

$$71421719949 := (-71 + 4217 - 19 + 9 + 4 + 9)^3.$$

$$71443409521 := (71 + 443 - 4 - 09 - 5 + 21)^4.$$

$$71443409521 := (7 - 1 - 4 + 43 - 40 - 9 + 521)^4.$$

$$71939391679 := (71 - 9 + 3939 + 167 - 9)^3.$$

$$\begin{aligned} 71997768976 &:= (-71 + 9 - 97 + 768 - 97 + 6)^4. \\ &:= (719 - 9 + 776 + 8 - 976)^4. \\ &:= (-71 - 99 - 77 + 689 + 76)^4. \end{aligned}$$

$$72162614161 := (7216 + 261416 - 1)^2.$$

$$\begin{aligned} 72407429632 &:= (72 + 4074 + 29 - 6 - 3 + 2)^3. \\ &:= (7 - 2 + 4074 - 2 + 96 - 3 - 2)^3. \end{aligned}$$

$$\begin{aligned} 72555348321 &:= (7 + 25 + 553 - 48 + 3 - 21)^4. \\ &:= (7 - 25 - 5 + 534 + 8 + 3 - 2 - 1)^4. \\ &:= (7 - 25 - 5 + 534 + 8 - 3 + 2 + 1)^4. \\ &:= (72 - 55 - 5 + 3 + 483 + 21)^4. \end{aligned}$$

$$72695483641 := (7 + 269548 + 3 + 64 - 1)^2.$$

$$72696562129 := (-7 + 269656 + 2 + 1 - 29)^2.$$

$$72877493233 := (72 + 877 + 4 - 9 + 3233)^3.$$

$$73116160000 := (-73 + 1 - 1 - 6 - 1 + 600 + 00)^4.$$

$$73191996487 := (7 + 3191 + 996 + 4 - 8 - 7)^3.$$

$$73349586856 := (7 - 3 + 3495 + 8 + 685 - 6)^3.$$

$$\begin{aligned} 73439775749 &:= (7 + 34 + 39 + 77 - 57 + 49)^5. \\ &:= (73 + 4 + 39 + 77 - 57 + 4 + 9)^5. \\ &:= (734 + 3 + 9 - 7 - 7 - 574 - 9)^5. \\ &:= (73 - 43 + 9 - 7 + 75 - 7 + 49)^5. \end{aligned}$$

$$73665445888 := (7 - 366 + 5 + 4458 + 88)^3.$$

$$73680216481 := (7 + 3 + 680 - 216 + 48 - 1)^4.$$

$$:= (7 + 368 + 02 - 1 + 64 + 81)^4.$$

$$:= (-73 + 6 + 80 + 21 + 6 + 481)^4.$$

$$74140932601 := (-7 + 4140 + 93 - 26 + 01)^3.$$

$$74246873427 := (7 + 4246 - 8 - 73 + 4 + 27)^3.$$

$$\begin{aligned} 74247530256 &:= (7 + 424 + 75 - 3 + 025 - 6)^4. \\ &:= (74 + 2 + 475 - 30 + 2 + 5 - 6)^4. \\ &:= (742 + 4 + 7 - 5 + 30 - 256)^4. \end{aligned}$$

$$74299881664 := (7 + 4299 - 88 - 16 + 6 - 4)^3.$$

$$74352915125 := (-7 + 4352 - 9 - 1 - 5 - 125)^3.$$

$$74512166912 := (7 + 4 + 5121 - 6 - 6 - 912)^3.$$

$$74671645931 := (7 + 4671 - 6 - 459 - 3 + 1)^3.$$

$$74724856128 := (7 + 4724 + 85 - 612 + 8)^3.$$

$$74727329769 := (74 + 7 + 273297 - 6 - 9)^2.$$

$$\begin{aligned} 74818113841 &:= (7 + 481 + 81 - 13 + 8 - 41)^4. \\ &:= (748 - 181 - 1 - 38 - 4 - 1)^4. \end{aligned}$$

$$74884638375 := (-7 - 488 + 4638 - 3 + 75)^3.$$

$$75044648232 := (-7 + 5044 + 6 - 4 - 823 + 2)^3.$$

$$75258349048 := (-752 - 5 + 83 + 4904 - 8)^3.$$

$$75391979776 := (7 + 539 + 1 - 9 + 7 - 97 + 76)^4.$$

$$75418890625 := (7 + 5 + 41 - 8 - 8 + 9 - 06 + 25)^6.$$

$$:= (75 + 4 + 18 + 8 - 9 - 06 - 25)^6.$$

$$:= (754 + 18 + 8 - 90 - 625)^6.$$

$$75633300989 := (-7 - 56 + 3 + 3300 + 989)^3.$$

$$75819274609 := (-75 + 819 + 274609)^2.$$

$$75827535424 := (7 + 5 + 8 + 275354 - 2 - 4)^2.$$

$$75901884904 := (7 - 590 + 1 - 88 + 4904)^3.$$

$$75937500000 := (-7 - 593 + 750 + 0000)^5.$$

$$75969140625 := (7 + 596 - 91 + 4 + 06 - 2 + 5)^4.$$

$$:= (-75 + 96 + 91 + 406 + 2 + 5)^4.$$

$$:= (7 - 5 - 96 - 9 - 1 + 4 + 0625)^4.$$

$$76440958784 := (76 + 4 + 4095 - 8 - 7 + 84)^3.$$

$$76495006125 := (-764 + 9 + 5006 + 1 - 2 - 5)^3.$$

$$76549608976 := (7 + 6 + 5 + 496 + 08 - 9 + 7 + 6)^4.$$

$$:= (-7 + 65 - 49 + 608 - 97 + 6)^4.$$

$$:= (76 + 549 - 6 - 08 - 9 - 76)^4.$$

$$:= (7 - 65 + 496 + 089 - 7 + 6)^4.$$

$$76765625000 := (-7 - 676 - 5 - 62 + 5000)^3.$$

$$77127842961 := (-771 + 278429 + 61)^2.$$

$$77133397441 := (77 + 13 + 3 + 397 - 4 + 41)^4.$$

$$77133397441 := (77 - 1 - 3 + 339 + 74 + 41)^4.$$

$$77199941512 := (7 + 7 + 1 + 99 - 9 + 4151 + 2)^3.$$

$$77417712728 := (-7 - 7 + 4177 + 127 - 28)^3.$$

$$77635893096 := (776 + 3589 - 3 - 096)^3.$$

$$77720518656 := (7 - 7 + 720 + 5 - 186 - 5 - 6)^4.$$

$$:= (77 - 72 + 0518 + 6 + 5 - 6)^4.$$

$$:= (777 - 205 + 18 - 6 - 56)^4.$$

$$78242718961 := (7824 + 271896 - 1)^2.$$

$$78310985281 := (7 + 8 + 31 + 09 - 8 + 5 - 28 - 1)^8.$$

$$:= (78 - 31 - 098 - 5 - 2 + 81)^8.$$

$$:= (7 + 8 + 3 + 1 - 09 - 8 + 528 - 1)^4.$$

$$:= (7 + 83 + 10 - 98 + 528 - 1)^4.$$

$$:= (78 + 310 + 98 + 52 - 8 - 1)^4.$$

$$78364164096 := (7 - 83 - 6 + 4 - 16 + 4 + 096)^{14}.$$

$$:= (78 - 36 - 41 + 6 - 4 + 09 - 6)^{14}.$$

$$:= (7 - 8 + 36 + 416 - 409 - 6)^7.$$

$$:= (78 - 3 + 6 - 4 - 16 - 40 + 9 + 6)^7.$$

$$:= (783 - 641 - 6 - 4 - 096)^7.$$

$$78502725751 := (7 + 8 + 50 + 27 - 2 + 57 + 5 - 1)^5.$$

$$:= (78 + 5 + 02 + 72 - 57 + 51)^5.$$

$$78843215872 := (-78 - 8 + 4321 + 58 - 7 + 2)^3.$$

$$79451542899 := (7 - 9 + 4 - 5 - 1 + 5 + 4289 + 9)^3.$$

$$:= (79 - 45 - 15 + 4289 - 9)^3.$$

$$79502005521 := (7 - 9 + 502 + 005 + 5 + 21)^4.$$

$$79673526127 := (796 + 7 + 3526 + 1 - 27)^3.$$

$$:= (7 - 967 - 3 + 5261 - 2 + 7)^3.$$

$$80102584576 := (8 + 01 + 02 + 584 - 57 - 6)^4.$$

$$:= (80 - 10 + 2 + 5 - 8 + 457 + 6)^4.$$

$$80453723013 := (8 + 04537 - 230 - 1 + 3)^3.$$

$$80706559921 := (80 - 70 - 6 + 559 - 9 - 21)^4.$$

$$80733594248 := (8 + 07 + 3 - 3 + 59 + 4248)^3.$$

$$81136812032 := (8 + 113 + 6 - 8 - 1 + 2 + 032)^5.$$

$$:= (811 + 3 - 681 + 20 - 3 + 2)^5.$$

$$:= (81 - 13 + 68 + 1 + 20 - 3 - 2)^5.$$

$$81313944336 := (8 + 131 - 39 + 443 - 3 - 6)^4.$$

$$:= (81 + 313 + 94 + 43 - 3 + 6)^4.$$

$$81464295375 := (81 - 46 + 4295 + 3 + 7 - 5)^3.$$

$$81520685056 := (-8 - 1 + 5206 - 850 - 5 - 6)^3.$$

$$81633542472 := (-8 - 1 + 63 + 35 + 4247 + 2)^3.$$

$$81828607249 := (8 - 18 + 286072 + 4 - 9)^2.$$

$$81916141607 := (-8 + 191 + 6 + 1 + 4160 - 7)^3.$$

$$\begin{aligned} 81924750625 &:= (8 + 1 + 92 - 47 + 506 - 25)^4. \\ &:= (819 + 247 - 506 - 25)^4. \\ &:= (81 - 92 - 4 - 75 + 0625)^4. \end{aligned}$$

$$82142689923 := (-8 + 2 - 1 + 4268 - 9 + 92 + 3)^3.$$

$$82286938449 := (-82 + 286938 - 4 - 4 + 9)^2.$$

$$82426462208 := (82 + 4264 - 6 + 2 + 2 + 08)^3.$$

$$\begin{aligned} 82538991616 &:= (8 + 2 + 5 - 3 + 8 - 99 - 1 + 616)^4. \\ &:= (8 + 2 + 538 + 9 - 9 + 1 - 6 - 1 - 6)^4. \\ &:= (82 - 538 + 991 + 6 + 1 - 6)^4. \end{aligned}$$

$$\begin{aligned} 82653950016 &:= (8 + 26 - 5 + 3 - 9 + 50 - 01 - 6)^6. \\ &:= (82 + 6 + 53 - 9 - 50 - 016)^6. \\ &:= (-826 - 53 + 950 + 01 - 6)^6. \end{aligned}$$

$$\begin{aligned} 83156680161 &:= (8 + 31 + 566 - 8 + 01 - 61)^4. \\ &:= (-83 - 1 - 5 + 6 + 680 + 1 - 61)^4. \\ &:= (8 - 3 - 156 + 680 + 1 + 6 + 1)^4. \end{aligned}$$

$$83224499896 := (-8 - 32 + 2 + 4499 - 89 - 6)^3.$$

$$83338924032 := (8 - 3 + 338 - 9 + 2 + 4032)^3.$$

$$83352886681 := (8 - 3 + 35 + 288668 + 1)^2.$$

$$\begin{aligned} 83396175409 &:= (8 + 3 + 3961 - 7 - 5 + 409)^3. \\ &:= (-83 - 3 - 961 + 7 + 5409)^3. \end{aligned}$$

$$\begin{aligned} 83625443117 &:= (8 - 3 - 6 + 2 + 54 + 4311 + 7)^3. \\ &:= (8 - 3 - 62 + 5 + 4431 + 1 - 7)^3. \end{aligned}$$

$$\begin{aligned} 83740234375 &:= (8 + 37 - 40 - 2 - 3 + 4375)^3. \\ &:= (-83 - 7 + 4023 + 437 + 5)^3. \end{aligned}$$

$$\begin{aligned} 83777829136 &:= (-8 + 377 - 7 + 82 + 91 - 3 + 6)^4. \\ &:= (8377 - 7829 - 1 - 3 - 6)^4. \end{aligned}$$

$$\begin{aligned} 83841135993 &:= (8 + 3 + 8 + 4 + 11 + 35 - 9 + 93)^5. \\ &:= (83 + 8 + 41 - 13 - 59 + 93)^5. \\ &:= (-838 + 4 + 1 + 1 - 3 - 5 + 993)^5. \end{aligned}$$

$$83942893441 := (-8 + 394 + 289344 - 1)^2.$$

$$84102900025 := (-8 - 4 + 10 + 290002 + 5)^2.$$

$$84142830968 := (8 + 4 - 1 + 4283 + 096 - 8)^3.$$

$$84200449887 := (84 - 200 + 4498 + 8 - 7)^3.$$

$$84290347584 := (-8 - 4 + 290347 + 5 - 8 - 4)^2.$$

$$84315766625 := (8 + 4315 + 7 - 6 - 6 + 62 + 5)^3.$$

$$\begin{aligned} 84373464456 &:= (8 + 4373 + 4 - 6 + 4 + 4 + 5 - 6)^3. \\ &:= (8 - 43 - 7 - 34 + 6 + 4456)^3. \end{aligned}$$

$$84402451441 := (8 + 440 + 2 + 45 + 1 + 44 - 1)^4.$$

$$:= (84 + 4 + 02 + 4 + 5 - 1 + 441)^4.$$

$$:= (84 - 40 - 24 + 514 + 4 + 1)^4.$$

$$84488939072 := (8 - 4 + 488 - 9 + 3907 - 2)^3.$$

$$84662348471 := (8 - 466 - 2 + 3 + 4847 + 1)^3.$$

$$84835994984 := (8 - 4 + 8 - 3 - 599 + 4984)^3.$$

$$:= (848 + 3599 - 49 - 8 + 4)^3.$$

$$84893929875 := (-8 - 4893 + 9298 - 7 + 5)^3.$$

$$85030560000 := (-85 + 030 - 5 + 600 + 00)^4.$$

$$85125933199 := (8 + 5125 - 933 + 199)^3.$$

$$85292034304 := (8 + 5 + 292034 - 3 + 04)^2.$$

$$85649485312 := (-8 + 56 - 4 - 948 + 5312)^3.$$

$$:= (-8 - 5 + 6 + 4948 - 531 - 2)^3.$$

$$85662167761 := (8 + 5 + 662 + 1 - 67 - 7 - 61)^4.$$

$$:= (8 + 56 + 621 - 67 - 76 - 1)^4.$$

$$:= (-85 - 6 + 621 + 6 + 7 - 7 + 6 - 1)^4.$$

$$85824478531 := (-8 - 58 - 2 + 4478 + 5 - 3 - 1)^3.$$

$$85941272997 := (8 - 5 - 9 + 4127 + 299 - 7)^3.$$

$$86297287696 := (8 + 629 - 7 + 2 - 87 - 6 + 9 - 6)^4.$$

$$:= (8 - 62 - 97 - 2 - 8 + 7 + 696)^4.$$

$$:= (86 - 297 - 2 - 8 + 769 - 6)^4.$$

$$86617093024 := (8 + 6 + 6 + 170 - 9 - 3 - 024)^5.$$

$$:= (86 + 61 + 70 - 9 - 30 - 24)^5.$$

$$:= (86 - 6 - 17 + 093 + 02 - 4)^5.$$

$$86644265625 := (86 - 6 + 4426 - 56 - 25)^3.$$

$$86664294544 := (-86 - 6 - 64 + 294544)^2.$$

$$86935932801 := (8 + 6 - 93 + 593 + 28 + 01)^4.$$

$$:= (869 - 35 - 9 - 3 - 280 + 1)^4.$$

$$\begin{aligned} 87578116096 &:= (-87 - 5 + 781 - 160 + 9 + 6)^4. \\ &:= (-875 - 7 + 811 + 609 + 6)^4. \\ &:= (8 - 75 - 7 - 8 + 11 + 609 + 6)^4. \end{aligned}$$

$$\begin{aligned} 87824421125 &:= (8 - 7 + 8 - 2 + 4421 + 12 + 5)^3. \\ 87943022623 &:= (87 - 9 + 4302 + 2 + 62 + 3)^3. \end{aligned}$$

$$\begin{aligned} 88223850625 &:= (8 + 8 - 22 + 38 + 506 + 2 + 5)^4. \\ &:= (882 + 238 + 50 - 625)^4. \\ &:= (88 - 2 - 2 - 38 + 506 - 2 - 5)^4. \end{aligned}$$

$$\begin{aligned} 88312980625 &:= (-883 + 1 + 298062 - 5)^2. \\ 88418496375 &:= (-88 - 418 + 4963 - 7 + 5)^3. \\ 88537631993 &:= (885 + 376 + 3199 - 3)^3. \\ 88656874579 &:= (-88 - 6 - 5 - 6 - 8 - 7 + 4579)^3. \end{aligned}$$

$$\begin{aligned} 88873149456 &:= (8 + 88 - 7 - 3 - 1 - 4 + 9 + 456)^4. \\ &:= (-888 - 7 + 3 + 1494 - 56)^4. \end{aligned}$$

$$\begin{aligned} 88955449344 &:= (8 + 8 + 9 - 5 - 5 + 4493 - 44)^3. \\ 89075066696 &:= (89 + 07 + 5066 - 696)^3. \\ 89254693709 &:= (-8 - 925 + 4693 + 709)^3. \\ 89374579111 &:= (8 - 9 - 3 + 7 + 4579 - 111)^3. \\ 89434562048 &:= (-8 + 9 - 43 + 4562 - 048)^3. \end{aligned}$$

$$\begin{aligned} 89466096875 &:= (8 + 94 + 6 + 60 - 9 + 6 - 8 - 7 + 5)^5. \\ &:= (89 - 4 + 66 + 096 - 87 - 5)^5. \\ &:= (894 - 66 + 09 - 687 + 5)^5. \\ &:= (894 - 660 - 9 - 68 - 7 + 5)^5. \end{aligned}$$

$$89494571817 := (-89 - 4 + 9 + 4571 - 8 + 1 - 7)^3.$$

$$\begin{aligned} 89526025681 &:= (8 + 9 + 526 + 02 + 5 + 6 - 8 - 1)^4. \\ &:= (-8 + 952 - 60 - 256 - 81)^4. \\ &:= (89 - 52 + 602 - 5 - 6 - 81)^4. \end{aligned}$$

$$\begin{aligned} 89554608424 &:= (-89 - 55 + 4608 + 4 + 2 + 4)^3. \\ 89674762176 &:= (-89 + 6747 - 6 - 2176)^3. \\ 89734879333 &:= (897 + 3487 + 93 + 3 - 3)^3. \\ 89943009025 &:= (-8 - 994 + 300902 + 5)^2. \end{aligned}$$

$$\begin{aligned} 90182492416 &:= (90 + 1 - 82 + 492 + 41 + 6)^4. \\ 90182492416 &:= (90 - 1 + 8 + 24 + 9 + 2 + 416)^4. \end{aligned}$$

$$\begin{aligned} 90458382169 &:= (9 + 04 - 5 + 83 - 8 - 2 + 1 - 6 - 9)^6. \\ &:= (90 - 4 + 5 + 8 + 38 - 2 + 1 - 69)^6. \\ &:= (904 - 5 - 838 + 21 - 6 - 9)^6. \end{aligned}$$

$$\begin{aligned} 90842562801 &:= (9 - 084 + 2 - 5 + 628 - 01)^4. \\ &:= (90 - 84 - 256 - 2 + 801)^4. \end{aligned}$$

$$\begin{aligned} 91489986216 &:= (-91 + 4899 - 86 - 216)^3. \\ 91506250000 &:= (9 - 1 + 50 - 6 - 2 + 500 + 00)^4. \\ 91611864512 &:= (9 - 16 - 11 + 8 + 6 + 4512)^3. \\ 91672844229 &:= (91 + 6 - 7 - 2 + 8 + 4422 - 9)^3. \\ 91819302289 &:= (-91 + 819 + 302289)^2. \\ 91855945728 &:= (9 + 1 - 8 + 5 - 59 + 4572 - 8)^3. \\ 92100460096 &:= (9 + 2 + 1 + 004600 - 96)^3. \end{aligned}$$

$$\begin{aligned} 92173567201 &:= (9 + 21 + 735 - 6 - 7 - 201)^4. \\ &:= (9 - 2 + 1 - 7 + 356 - 7 + 201)^4. \\ &:= (921 - 7 + 3 - 567 + 201)^4. \end{aligned}$$

$$\begin{aligned} 92389579776 &:= (9 + 2 + 38 + 9 - 5 - 7 + 97 + 7 + 6)^5. \\ &:= (9 + 23 + 89 - 57 + 9 + 77 + 6)^5. \\ &:= (9 + 238 - 95 - 79 + 7 + 76)^5. \\ &:= (92 + 3 + 8 - 95 + 79 - 7 + 76)^5. \end{aligned}$$

$$\begin{aligned} 92468044648 &:= (-924 - 6 + 804 + 4648)^3. \\ &:= (9246 - 80 + 4 - 4648)^3. \end{aligned}$$

$$92529403667 := (925 - 29 - 40 + 3667)^3.$$

$$\begin{aligned} 92844527616 &:= (9 + 284 + 4 - 5 + 276 - 16)^4. \\ &:= (92 - 84 + 452 + 76 + 16)^4. \\ &:= (928 - 445 - 2 + 76 + 1 - 6)^4. \end{aligned}$$

$$92982304900 := (-9 + 29 + 8 + 2 + 304900)^2.$$

$$\begin{aligned} 93048791521 &:= (9 + 304879 + 152 - 1)^2. \\ 93144487437 &:= (93 - 14 + 4487 + 4 - 37)^3. \\ 93453048872 &:= (93 + 4530 - 4 + 8 - 87 - 2)^3. \\ 93453048872 &:= (-9 - 345 + 3 + 04887 + 2)^3. \end{aligned}$$

$$\begin{aligned} 93519144481 &:= (9 + 3 + 51 - 9 + 14 + 4 + 481)^4. \\ &:= (93 + 5 + 1 + 91 + 444 - 81)^4. \\ &:= (-9 - 3 - 51 - 9 + 144 + 481)^4. \end{aligned}$$

$$94010175323 := (-9 + 4010 + 17 + 532 - 3)^3.$$

$$94072214592 := (9 + 40 - 72 - 21 + 4592)^3.$$

$$\begin{aligned} 94143178827 &:= (9 + 41 + 4 - 31 + 7 - 8 + 8 - 27)^2 \cdot 3. \\ &:= (94 - 14 + 31 + 7 - 88 - 27)^2 \cdot 3. \end{aligned}$$

$$\begin{aligned} 94197431056 &:= (9 + 419 + 74 - 3 - 1 + 056)^4. \\ &:= (94 + 1 + 97 - 4 + 310 + 56)^4. \end{aligned}$$

$$94320644608 := (9 - 43 - 20 - 6 + 4 + 4608)^3.$$

$$\begin{aligned} 94445023464 &:= (9 + 44 + 4502 - 3 + 4 - 6 + 4)^3. \\ &:= (-9 - 4 + 4 + 4 + 5023 - 464)^3. \end{aligned}$$

$$\begin{aligned} 94507253875 &:= (9 + 4507 - 2 + 5 + 38 - 7 + 5)^3. \\ &:= (9 - 4 - 50 + 725 + 3875)^3. \end{aligned}$$

$$\begin{aligned} 94569511616 &:= (-9 + 4569 - 5 + 1 + 16 - 16)^3. \\ 94631796693 &:= (9 + 4631 + 7 - 9 + 6 + 6 - 93)^3. \\ 94694109112 &:= (-9 + 469 + 4109 + 1 - 12)^3. \\ 94756448879 &:= (9 + 47 + 5 - 6 + 4488 + 7 + 9)^3. \end{aligned}$$

$$\begin{aligned} 94879400625 &:= (9 - 4 + 8 - 79 - 4 + 00625)^4. \\ &:= (948 + 7 + 9 - 400 - 6 + 2 - 5)^4. \\ &:= (94 - 8 - 7 + 9 + 400 + 62 + 5)^4. \end{aligned}$$

$$\begin{aligned} 94931877133 &:= (9 + 4 + 9 - 3 + 1 - 87 + 71 + 33)^7. \\ &:= (94 + 9 + 3 + 1 + 8 - 7 - 71 + 3 - 3)^7. \\ &:= (94 - 9 - 31 + 87 - 71 - 33)^7. \end{aligned}$$

$$\begin{aligned} 95068558144 &:= (9 + 5068 - 558 + 1 + 44)^3. \\ 95193593496 &:= (9 + 5193 - 593 - 49 + 6)^3. \\ 95318738432 &:= (-9 + 5318 - 738 - 4 + 3 - 2)^3. \\ 95330885049 &:= (9 - 53 + 308850 - 49)^2. \end{aligned}$$

$$\begin{aligned} 95388992557 &:= (9 + 53 - 8 + 89 + 9 + 2 + 5 + 5 - 7)^5. \\ &:= (95 - 3 - 88 + 99 + 2 - 5 + 57)^5. \\ &:= (-95 - 388 - 9 + 92 + 557)^5. \end{aligned}$$

$$\begin{aligned} 95565066496 &:= (9 + 5 + 565 - 06 - 6 + 4 - 9 - 6)^4. \\ &:= (9 + 556 + 50 - 66 + 4 + 9 - 6)^4. \\ &:= (9 - 55 - 65 + 0664 + 9 - 6)^4. \end{aligned}$$

$$\begin{aligned} 95569357248 &:= (955 + 6 - 9 + 3572 + 48)^3. \\ 95946108552 &:= (9 + 5 + 9 + 4610 - 8 + 5 - 52)^3. \\ 96103100025 &:= (-9 + 6 + 1 + 0310002 + 5)^2. \\ 96197825368 &:= (9 + 6 - 19 - 782 + 5368)^3. \end{aligned}$$

$$\begin{aligned} 96254442001 &:= (-9 + 625 + 4 - 44 - 20 + 01)^4. \\ &:= (96 + 254 + 4 + 4 + 200 - 1)^4. \end{aligned}$$

$$\begin{aligned} 96449982056 &:= (96 + 4499 - 8 - 2 - 05 + 6)^3. \\ 96639388469 &:= (-9 + 6 + 639 + 3884 + 69)^3. \end{aligned}$$

$$\begin{aligned} 96889010407 &:= (96 + 8 - 8 - 90 - 10 + 4 + 07)^1 \cdot 3. \\ &:= (9 - 68 + 89 + 010 - 40 + 7)^1 \cdot 3. \end{aligned}$$

$$\begin{aligned} 96947540496 &:= (9 + 6 + 94 + 7 - 54 + 0496)^4. \\ &:= (96 + 947 - 540 + 49 + 6)^4. \end{aligned}$$

$$97018944875 := (97 - 01 + 8 + 9 + 4487 - 5)^3.$$

$$97145684173 := (9 + 71 + 4568 - 41 - 7 - 3)^3.$$

$$97272533799 := (9 - 727 - 2 + 5337 - 9 - 9)^3.$$

$$97463015208 := (-9 - 7 + 4630 - 1 - 5 + 2 - 08)^3.$$

$$97643125441 := (-9 + 7 - 64 + 312544 + 1)^2.$$

$$\begin{aligned} 97644375361 &:= (9 + 7 + 6 - 4 - 4 + 3 + 7 + 536 - 1)^4. \\ &:= (97 - 6 + 443 - 7 - 5 + 36 + 1)^4. \\ &:= (976 - 44 - 375 - 3 + 6 - 1)^4. \end{aligned}$$

$$97653745125 := (97 + 6 + 5 - 3 - 7 + 4512 - 5)^3.$$

$$97663125121 := (-9 + 7 + 6 - 6 + 312512 + 1)^2.$$

$$97844723712 := (-97 - 8 - 4 + 4723 - 7 - 1 + 2)^3.$$

$$98265321729 := (9 - 8265 + 321729)^2.$$

$$\begin{aligned} 98344960000 &:= (-9 + 8 - 34 + 4 - 9 + 600 + 00)^4. \\ &:= (98 - 34 + 496 + 0000)^4. \end{aligned}$$

$$\begin{aligned} 98465804768 &:= (9 + 84 + 65 + 80 + 4 - 76 - 8)^5. \\ &:= (98 + 46 - 58 + 04 + 76 - 8)^5. \\ &:= (-984 + 658 + 0476 + 8)^5. \\ &:= (984 - 6 + 5 - 804 - 7 - 6 - 8)^5. \end{aligned}$$

$$98547108659 := (-98 + 5 + 4710 - 8 + 6 - 5 + 9)^3.$$

$$\begin{aligned} 98867482624 &:= (9 + 8 + 8 + 67 - 48 + 26 + 2 - 4)^6. \\ &:= (98 + 86 - 74 + 8 - 26 - 24)^6. \\ &:= (9 - 8 - 8 - 67 - 482 + 624)^6. \end{aligned}$$

$$99381523968 := (9938 + 1 - 5239 - 68)^3.$$

$$99445904137 := (-9 + 94 + 4590 - 4 - 1 - 37)^3.$$

$$99574747875 := (-9 - 9 - 5 - 7 + 4747 - 87 + 5)^3.$$

$$99747325584 := (-9 - 9747 + 325584)^2.$$

$$\begin{aligned} 99757432336 &:= (9 + 97 + 57 + 432 + 3 - 36)^4. \\ &:= (99 + 75 + 74 + 323 - 3 - 6)^4. \\ &:= (-99 + 757 - 432 + 336)^4. \end{aligned}$$

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