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# Triple Representations of Natural Numbers - I

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**Abstract**

*This work brings representations of natural numbers in three different ways. One is based on power of same digits used in bases with permutations. The other two are based on increasing and decreasing orders of digits by use of basic operations along with square-root and factorial. Number of digits in each representation are understood as width. This work is up to 6 digits or width 6.*

## 1 Introduction

In this section, we shall give different ways of writing natural numbers. This is done in the following subsections.

### 1.1 Increasing and Decreasing Orders of 1 to 9

In 2014 [8], the author studied natural numbers from 0 to 11111 representing in terms of 1 to 9 in increasing and decreasing ways, such as,

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

For comments on this work see [1, 2, 6, 7].

### 1.2 Flexible Power Representations

Recently, author [24] wrote natural numbers from 0 to 11111 in little different way. The powers and bases are of same digits. The representations are symmetric. See some examples below:

$$\begin{aligned}
2151 &:= 1^4+2^3+3^7+4^1-7^2.\\
2152 &:= 1^5+2^3+3^7+5^1-7^2.\\
2153 &:= 1^6+2^3+3^7+6^1-7^2.\\
2154 &:= -1^9+2^3+3^7-7^2+9^1.\\
2155 &:= -1^1-2^4+3^7-4^3+7^2.\\
2156 &:= -2^4+3^7-4^3+7^2.
\end{aligned}$$

$$\begin{aligned}
11097 &= -2^8+4^6+5^5+6^2+8^4.\\
11098 &= 2^6+4^7+5^2-6^5+7^4.\\
11099 &= 1^1+2^6+4^7+5^2-6^5+7^4.\\
11100 &= -1^1-2^2+3^9-5^6+6^5-9^3.\\
11101 &:= -2^2+3^9-5^6+6^5-9^3.\\
11102 &:= 1^1-2^2+3^9-5^6+6^5-9^3.
\end{aligned}$$

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## 1.3 Pyramidical Type Representations

Following the procedure of previous subsection 1.2, in [32], numbers from 0 to 1500 are written in pyramidical style. See some examples,

$$\begin{aligned}22 &= 0^1 - 1^0 - 2^2 + 3^3\\ &= 0^2 + 1^3 + 2^4 + 3^0 + 4^1\\ &= 0^4 - 1^5 + 2^3 + 3^2 + 4^0 + 5^1\\ &= 0^2 + 1^6 + 2^5 - 3^4 + 4^3 + 5^1 + 60\\ &= 0^5 + 1^7 - 2^6 - 3^4 + 4^1 + 5^3 + 6^2 + 7^0\\ &= 0^1 + 1^4 + 2^8 + 3^5 - 4^7 + 5^6 + 6^3 + 7^0 + 8^2\\ &= 0^6 - 1^9 + 2^8 - 3^7 + 4^5 + 5^4 + 6^3 + 7^1 + 8^0 + 9^2.\end{aligned}$$

$$\begin{aligned}666 &= 0^1 - 1^3 + 2^5 + 3^2 + 4^0 + 5^4\\ &= 0^0 + 1^5 - 2^6 + 3^1 + 4^3 + 5^4 + 6^2\\ &= 0^5 + 1^7 - 2^6 + 3^1 + 4^3 + 5^4 + 6^2 + 7^0\\ &= 0^2 - 1^7 - 2^6 - 3^8 + 4^3 + 5^5 + 6^1 + 7^0 + 8^4\\ &= 0^7 + 1^9 - 2^5 - 3^8 + 4^6 + 5^2 + 6^1 + 7^4 + 8^0 + 9^3.\end{aligned}$$

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

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

## 1.4 Double Representations of Numbers

This subsection deals with representations of natural numbers written in decreasing order of digits based on subsections 1.1 and 1.2 . We used the digits from 3 to 10 in sequential always ending in zero, [2,1,0], [3, 2, 1, 0],..., [9, 8, 7, 6, 5, 4, 3, 2, 1, 0], etc. It is interesting to observe that the processes given in subsection 1.1 uses the operations such as, *addition, subtraction, multiplication, division, potentiation, square-root* and *factorial*. In case of process given in subsection 1.2 only *addition* and *subtractions* along with *potentiation* are used. Below are some examples,

- $1 = 2^1 - 1^0 + 0^2$
  $= 2 - 1 \times 0!.$
- $2 = 2^0 + 1^2 + 0^1$
  $= 2 \times 1 \times 0!.$
- $11 = 3^2 + 2^0 + 1^3 + 0^1$
  $= 3 - 2 + 10.$
- $25 = 3^3 - 2^2 + 1^1 + 0^0$
  $= 3 + 21 + 0!.$
- $20 = 4^2 + 3^0 + 2^1 + 1^4 + 0^3$
  $= 4 + 3 \times 2 + 10.$
- $21 = 4^2 + 3^1 + 2^0 + 1^4 + 0^3$
  $= (4 - 3) \times 21 \times 0!.$
- $116 = 5^2 + 4^0 + 3^4 + 2^3 + 1^5 + 0^1$
  $= 54 + 3 \times 21 - 0!.$
- $120 = 5^2 + 4^1 + 3^4 + 2^3 + 1^5 + 0^0$
  $= (5 + 4321 \times 0)!.$
- $1406 = 6^4 + 5^1 + 4^3 + 3^2 + 2^5 - 1^6 + 0^0$
  $= 6 + 5! + 4 \times 32 \times 10.$
- $1411 = 6^3 + 5^2 + 4^5 + 3^4 + 2^6 + 1^0 + 0^1$
  $= 6! - 5 - 4! + (3 \times 2 \times 1)! \times 0!.$
- $78 = -7^4 + 6^3 - 5^1 + 4^2 + 3^7 + 2^6 + 1^0 + 0^5$
  $= -76 - 54 - 3 + 210.$
- $2016 = 7^3 + 6^4 + 5^0 + 4^1 + 3^5 + 2^7 + 1^6 + 0^2$
  $= (7 + 65) \times (\sqrt{4} \times 3^2 + 10).$
- $661 = 8^2 - 7^3 + 6^1 + 5^4 + 4^0 + 3^5 + 2^6 + 1^8 + 0^7$
  $= 8 + 7 + 654 - 3^2 + 1 \times 0!.$
- $192 = 9^2 - 8^4 + 7^1 + 6^3 + 5^5 + 4^0 + 3^6 + 2^7 + 1^9 + 0^8$
  $= 98 + 76 - 5 + 4 - 3 + 21 + 0!.$
- $1410 = 9^2 - 8^6 - 7^5 + 6^7 + 5^1 + 4^0 + 3^4 + 2^8 + 1^9 + 0^3$
  $= 9 - 87 + 6 \times (-5 + 43 + 210).$

For complete details refer [27, 31, 38, 39]. For work in numbers in different ways refer to author's work [8]-[29]. For historical study on numbers refer [3, 4, 5].

# 2 Triple Representations of Numbers

This section deals with the representations of natural numbers in three ways. In each case the same digits are used. The first representations based on subsection 1.2 The other two representations are based on the subsection 1.1 , one in increasing orders and another in decreasing orders. This has been done for two to five digits. The number of digits used are defined as *width*. Separately, there are much more numbers in each case, but when restricted to three representations, this number reduces. In some cases, there are only two way of writing, i.e., the one given in subsection 1.2 and another either in increasing or in decreasing ways as of subsection 1.1 . Up to five digits, the number are considered are up to 11111. For six digits, the numbers are considered only up to 1111. According to width, the results are separated in subsections.



The work on triple representations of numbers for higher widths shall be dealt elsewhere.

## 2.1 Triple Representations of Numbers: Width 2

This subsection deals with the representations of natural numbers using two digits, i.e., width 2. By width 2, we understand that we use 2 digits in sequential form, like, [1, 2], [2, 3], .... [8, 9]. Using two digits each time we have only 3 numbers that can be written in three different ways. Two ways are based on subsection 1.1 , i.e., in increasing and decreasing order of digits. The third way is based on subsection 1.2 . In this case, we have numbers only in [1, 2] and [2, 3]. See examples below,

- $1 = -1^2 + 2^1$
  $= -1 + 2$
  $= 2 - 1.$

- $3 = 1^2 + 2^1$
  $= 1 + 2$
  $= 2 + 1.$

- $1 = -2^3 + 3^2$
  $= -2 + 3$
  $= 3 - 2.$

## 2.2 Triple Representations of Numbers: Width 3

This section deals with the representations of natural numbers using three digits each time, i.e., width 3. By width 3, we understand that we use in sequence of digits, like, [1, 2, 3], [2, 3, 4], .... [7, 8, 9]. Three digits are used in three different ways. Two ways are based on subsection 1.1 , i.e., in increasing and decreasing order of digits. The third way is based on the subsection 1.2 . We observed that the numbers obtained up to 11111 are only in terms of digits [1, 2, 3], [2, 3, 4] and [3, 4, 5].

### 2.2.1 In Terms of Digits 1, 2 and 3

- $0 = 1^3 - 2^2 + 3^1$
  $= 1 + 2 - 3$
  $= 3 - 2 - 1.$

- $2 = 1^1 - 2^3 + 3^2$
  $= 12/3!$
  $= 3 - 2 + 1.$

- $4 = -1^2 + 2^3 - 3^1$
  $= 12/3$
  $= 3 + 2 - 1.$

- $6 = -1^3 + 2^2 + 3^1$
  $= \sqrt{12 \times 3}$
  $= 3 \times 2 \times 1.$

- $8 = 1^3 + 2^2 + 3^1$
  $= 1 \times 2^3$
  $= 3^2 - 1.$

- $12 = 1^2 + 2^3 + 3^1$
  $= 1 \times 2 \times 3!$
  $= 3! \times 2 \times 1.$

- $18 = 1^1 + 2^3 + 3^2$
  $= 12 + 3!$
  $= -3 + 21.$

- $24 = 1^1 - 2^2 + 3^3$
  $= 1 + 23$
  $= 3 + 21.$

- $10 = -1^2 + 2^3 + 3^1$
  $= 3^2 + 1.$

- $22 = -1^1 - 2^2 + 3^3$
  $= -1 + 23.$

- $32 = 1^1 + 2^2 + 3^3$
  $= 32 \times 1.$

### 2.2.2 In Terms of Digits 2, 3 and 4

- $5 = 2^4 - 3^3 + 4^2$
  $= \sqrt{23 + \sqrt{4}}$
  $= 4 + 3 - 2.$

- $13 = -2^2 + 3^4 - 4^3$
  $= 4 + 3^2.$

- $21 = 2^2 + 3^4 - 4^3$
  $= 23 - \sqrt{4}$
  $= \sqrt{(4! - 3)^2}.$

- $27 = -2^4 + 3^3 + 4^2$
  $= 23 + 4$
  $= 4! + \sqrt{3^2}.$

### 2.2.3 In Terms of Digits 3, 4 and 5

- $138 = -3^5 + 4^4 + 5^3$
  $= -3! + 4! + 5!$
  $= 5! + 4! - 3!.$

- $624 = 3^5 + 4^4 + 5^3$
  $= 3!! + 4! - 5!$
  $= -5! + 4! + 3!!.$

- $112 = 3^5 - 4^4 + 5^3$
  $= -3! - \sqrt{4} + 5!$
  $= 5! - \sqrt{4^3}.$

- $372 = -3^3 + 4^5 - 5^4$
  $= 3 \times (4 + 5!)$
  $= (5! + 4) \times 3.$

- $2896 = 3^3 - 4^4 + 5^5$
  $= 3! + 4! \times 5!$
  $= 5! \times 4! + 3!.$

## 2.3 Triple Representations of Numbers: Width 4

This section deals with the representations of natural numbers using four digits each time, i.e., width 4. By width 4, we understand that we use in sequence of digits, like, [1, 2, 3, 4], [2, 3, 4, 5], .... [6, 7, 8, 9]. Three digits are used in three different ways. Two ways are based on subsection 1.1 , i.e., in increasing and decreasing order of digits. The third way is based on the subsection 1.2 . We observed that the numbers obtained up to 11111 are only in terms of digits [1,2,3,4], [2,3,4,5] and [3,4,5,6]. See examples below.

### 2.3.1 In Terms of Digits 1, 2, 3 and 4

- $2 = -1^3 - 2^4 + 3^1 + 4^2$
  $= 4 - 3 + 2 - 1$
  $= \sqrt{12 \times 3} - 4.$

- $6 = 1^4 - 2^3 + 3^2 + 4^1$
  $= (1 + 23)/4$
  $= 4 + 3 - 2 + 1.$

- $10 = -1^4 - 2^3 + 3^1 + 4^2$
  $= \sqrt{12 \times 3} + 4$
  $= 4 + 3 + 2 + 1.$

- $4 = -1^1 + 2^4 - 3^3 + 4^2$
  $= 1^{23} \times 4$
  $= 4 + 3 - 2 - 1.$

- $8 = 1^2 - 2^4 + 3^3 - 4^1$
  $= 12/3 + 4$
  $= \sqrt{43 + 21}.$

- $12 = 1^4 - 2^3 + 3^1 + 4^2$
  $= (1 + 23)/\sqrt{4}$
  $= 4 \times 3 \times (2 - 1).$

- $14 = 1^4 + 2^3 + 3^2 - 4^1$
  $= 1 \times 2 \times (3 + 4)$
  $= (4 + 3) \times 2 \times 1.$

- $16 = 1^2 - 2^1 + 3^4 - 4^3$
  $= 12/3 \times 4$
  $= 4^{3-2+1}.$

- $18 = -1^2 + 2^1 + 3^4 - 4^3$
  $= -1 + 23 - 4$
  $= \sqrt{4} \times 3 \times (2 + 1).$

- $20 = 1^2 + 2^1 + 3^4 - 4^3$
  $= 1 + 23 - 4$
  $= 4 \times (3 \times 2 - 1).$

- $22 = 1^4 + 2^3 + 3^2 + 4^1$
  $= -12 + 34$
  $= 43 - 21.$

- $26 = -1^4 + 2^3 + 3^1 + 4^2$
  $= 1 + 23 + \sqrt{4}$
  $= \sqrt{4} + 3 + 21.$

- $28 = 1^4 + 2^3 + 3^1 + 4^2$
  $= 1 + 23 + 4$
  $= 4 + 3 + 21.$

- $30 = 1^3 + 2^4 + 3^2 + 4^1$
  $= (12 + 3) \times \sqrt{4}$
  $= -\sqrt{4} + 32 \times 1.$

- $34 = -1^3 + 2^4 + 3^1 + 4^2$
  $= 1^2 \times 34$
  $= \sqrt{4} + 32 \times 1.$

- $36 = 1^3 + 2^4 + 3^1 + 4^2$
  $= (12 - 3) \times 4$
  $= 4 + 32 \times 1.$

- $38 = -1^1 - 2^4 - 3^2 + 4^3$
  $= 12 \times 3 + \sqrt{4}$
  $= \sqrt{4} + 3!^2 \times 1.$

- $40 = 1^2 + 2^4 + 3^3 - 4^1$
  $= 12 \times 3 + 4$
  $= 43 - 2 - 1.$

- $42 = 1^4 - 2^1 + 3^3 + 4^2$
  $= 12 + 3! + 4!$
  $= 43 - 2 + 1.$

- $44 = -1^4 + 2^1 + 3^3 + 4^2$
  $= (-1 + 23) \times \sqrt{4}$
  $= 43 + 2 - 1.$

- $46 = 1^4 + 2^1 + 3^3 + 4^2$
  $= 12 + 34$
  $= 43 + 2 + 1.$

- $48 = 1^2 + 2^4 + 3^3 + 4^1$
  $= (1 + 23) \times \sqrt{4}$
  $= 4! + 3 + 21.$

- $50 = -1^2 - 2^4 + 3^1 + 4^3$
  $= (1 + (-2 + 3!)!) \times \sqrt{4}$
  $= (4 + 3)^2 + 1.$

- $52 = 1^2 - 2^4 + 3^1 + 4^3$
  $= (1 + 2 \times 3!) \times 4$
  $= 4 \times (3! \times 2 + 1).$

- $54 = 1^4 - 2^1 - 3^2 + 4^3$
  $= (1 + 2)!^3/4$
  $= \sqrt{4} \times 3^{2+1}.$

- $56 = -1^1 - 2^4 + 3^2 + 4^3$
  $= 4! + 32 \times 1.$

- $58 = -1^1 + 2^4 + 3^3 + 4^2$
  $= 4^3 - (2 + 1)!.$

- $60 = 1^1 + 2^4 + 3^3 + 4^2$
  $= (12 + 3) \times 4$
  $= 4 \times (-3! + 21).$

- $62 = -1^4 - 2^2 + 3^1 + 4^3$
  $= 1 \times 2^{3!} - \sqrt{4}$
  $= 4^3 - 2 \times 1.$

- $64 = 1^4 - 2^2 + 3^1 + 4^3$
  $= 1 \times 2^{3 \times \sqrt{4}}$
  $= 43 + 21.$

- $66 = 1^4 + 2^2 - 3^1 + 4^3$
  $= 1 \times 2^{3!} + \sqrt{4}$
  $= 4^3 + 2 \times 1.$

- $68 = 1^3 + 2^1 + 3^4 - 4^2$
  $= 1 \times 2 \times 34.$

- $70 = 1^2 - 2^3 + 3^4 - 4^1$
  $= 12 \times 3! - \sqrt{4}$
  $= 4! \times 3 - 2 \times 1.$

- $72 = 1^4 + 2^2 + 3^1 + 4^3$
  $= 12 \times 3 \times \sqrt{4}$
  $= 4 \times (-3 + 21).$

- $74 = -1^4 + 2^1 + 3^2 + 4^3$
  $= 12 \times 3! + \sqrt{4}$
  $= 4! \times 3 + 2 \times 1.$

- $76 = 1^4 + 2^1 + 3^2 + 4^3$
  $= 12 \times 3! + 4$
  $= 4 \times \sqrt{3!!/2 + 1}.$

- $78 = 1^2 - 2^3 + 3^4 + 4^1$
  $= -1 - 2 + 3^4$
  $= 4! \times 3 + (2 + 1)!.$

- $80 = -1^3 + 2^2 + 3^4 - 4^1$
  $= 1 - 2 + 3^4.$

- $82 = 1^3 + 2^2 + 3^4 - 4^1$
  $= 1^2 + 3^4.$

- $84 = 1^2 + 2^4 + 3^1 + 4^3$
  $= 12 \times (3 + 4)$
  $= 4!/3! \times 21.$

- $86 = 1^2 + 2^3 + 3^4 - 4^1$
  $= 43 \times 2 \times 1.$

- $88 = -1^1 + 2^4 + 3^2 + 4^3$
  $= (-1 + 23) \times 4.$

- $90 = 1^1 + 2^4 + 3^2 + 4^3$
  $= (1 + 2) \times (3! + 4!)$
  $= (4! + 3!) \times (2 + 1).$

- $92 = -1^2 + 2^3 + 3^4 + 4^1$
  $= 1 \times 23 \times 4$
  $= 4 \times ((3! - 2)! - 1).$

- $96 = 1^3 - 2^1 + 3^4 + 4^2$
  $= (1 + 23) \times 4$
  $= 4 \times (3 + 21).$

- $100 = 1^3 + 2^1 + 3^4 + 4^2$
  $= (1 + (-2 + 3!)!) \times 4$
  $= (4 + 3!)^2 \times 1.$

- $140 = -1^1 - 2^2 + 3^4 + 4^3$
  $= -1 \times 2 + 3! \times 4!$
  $= 4 \times (3!^2 - 1).$

- $142 = 1^1 - 2^2 + 3^4 + 4^3$
  $= 4! \times 3! - 2 \times 1.$

- $144 = 1^2 - 2^1 + 3^4 + 4^3$
  $= 12 \times 3 \times 4$
  $= (4 \times 3)^2 \times 1.$

- $146 = -1^2 + 2^1 + 3^4 + 4^3$
  $= 1 \times 2 + 3! \times 4!$
  $= 4! \times 3! + 2 \times 1.$

- $148 = 1^2 + 2^1 + 3^4 + 4^3$
  $= 4 \times (3!^2 + 1).$

- $150 = 1^1 + 2^2 + 3^4 + 4^3$
  $= (1 + 2)! + 3! \times 4!$
  $= 4! + 3! \times 21.$

- $232 = 1^2 + 2^1 - 3^3 + 4^4$
  $= (-4! + 3!!)/(2 + 1).$

- $234 = 1^1 + 2^2 - 3^3 + 4^4$
  $= 1 \times 234.$

- $238 = -1^1 - 2^3 - 3^2 + 4^4$
  $= (1 + 2)!!/3 - \sqrt{4}$
  $= \sqrt{4} \times ((3 + 2)! - 1).$

- $240 = 1^1 - 2^3 - 3^2 + 4^4$
  $= 1 \times 2 \times (3 + \sqrt{4})!$
  $= (4 + 3)!/21.$

- $244 = -1^2 - 2^3 - 3^1 + 4^4$
  $= (1 + 2)!!/3 + 4$
  $= 4 + 3!!/(2 + 1).$

- $246 = 1^2 - 2^3 - 3^1 + 4^4$
  $= 123 \times \sqrt{4}.$

- $248 = -1^3 + 2^1 - 3^2 + 4^4$
  $= (4! + 3!!)/(2 + 1).$

- $252 = 1^2 - 2^3 + 3^1 + 4^4$
  $= 12 \times (-3 + 4!)$
  $= 4 \times 3 \times 21.$

- $256 = -1^1 - 2^3 + 3^2 + 4^4$
  $= (12/3)^4$
  $= 4^{3+2-1}.$

- $258 = 1^1 - 2^3 + 3^2 + 4^4$
  $= (1 + 2^{3!}) \times 4$
  $= 43 \times (2 + 1)!.$

- $260 = -1^2 + 2^3 - 3^1 + 4^4$
  $= (1 + 2^{3!}) \times 4.$

- $264 = 1^3 + 2^2 + 3^1 + 4^4$
  $= \sqrt{1 + (2 + 3)!} \times 4!$
  $= 4! \times (3! \times 2 - 1).$

- $288 = 1^1 + 2^2 + 3^3 + 4^4$
  $= 12 \times 3! \times 4$
  $= 4! \times 3! \times 2 \times 1.$

### 2.3.2 In Terms of Digits 2, 3, 4 and 5

- $4 = 2^5 + 3^4 + 4^2 - 5^3$
  $= 2 + 3 + 4 - 5$
  $= 5 + 4 - 3 - 2.$

- $10 = -2^5 + 3^4 - 4^3 + 5^2$
  $= 2^3/4 \times 5$
  $= 5 + 4 + 3 - 2.$

- $20 = 2^3 + 3^5 - 4^4 + 5^2$
  $= (2^3 - 4) \times 5$
  $= 54/3 + 2.$

- $24 = 2^5 + 3^4 - 4^3 - 5^2$
  $= 23 - 4 + 5$
  $= (5 + 43)/2.$

- $28 = -2^5 - 3^4 + 4^2 + 5^3$
  $= (5 \times 4 - 3!) \times 2$
  $= 2^3 + 4 \times 5.$

- $30 = -2^3 - 3^5 + 4^4 + 5^2$
  $= 23 + \sqrt{4} + 5$
  $= (54 + 3!)/2.$

- $40 = 2^5 - 3^4 + 4^3 + 5^2$
  $= -2 - 3 + 45$
  $= -5 + 43 + 2.$

- $46 = 2^3 - 3^5 + 4^4 + 5^2$
  $= 2 \times (3 + 4 \times 5)$
  $= 5 + 43 - 2.$

- $60 = 2^5 - 3^4 - 4^2 + 5^3$
  $= (2^3 + 4) \times 5$
  $= (54 + 3 \times 2).$

- $74 = 2^5 + 3^4 - 4^3 + 5^2$
  $= -2 + 3^4 - 5$
  $= \sqrt{5! + 4!} \times 3! + 2.$

- $86 = -2^4 + 3^5 - 4^2 - 5^3$
  $= 2 - 3!^{\sqrt{4}} + 5!$
  $= 54 + 32.$

- $88 = -2^5 + 3^4 + 4^3 - 5^2$
  $= 2 - 34 + 5!$
  $= 5 \times 4! - 32.$

- $90 = -2^5 - 3^2 + 4^4 - 5^3$
  $= 2 \times \sqrt{3^4} \times 5$
  $= 54 + 3!^2.$

- $92 = 2^5 - 3^4 + 4^2 + 5^3$
  $= 2 + (-3! + 4!) \times 5$
  $= 5! + 4 - 32.$

- $108 = -2^5 + 3^2 + 4^4 - 5^3$
  $= 2 \times 3! \times (4 + 5)$
  $= (5 + 4) \times 3! \times 2.$

- $116 = 2^2 + 3^5 - 4^4 + 5^3$
  $= (-2 + 3) \times (-4 + 5!)$
  $= 5! - 4 \times (3 - 2).$

- $118 = -2^4 + 3^5 + 4^2 - 5^3$
  $= 2 \times (3 - 4) + 5!$
  $= (-5 + 4^3) \times 2.$

- $134 = -2^2 - 3^5 + 4^4 + 5^3$
  $= 2 + 3 \times 4 + 5!$
  $= 5! + 4 \times 3 + 2.$

- $138 = -2^5 + 3^4 + 4^3 + 5^2$
  $= 23 \times (\sqrt{4 + 5})!$
  $= (5 + 4^3) \times 2.$

- $142 = 2^2 - 3^5 + 4^4 + 5^3$
  $= -2 + (3 \times \sqrt{4})!/5$
  $= 5! + 4 \times 3! - 2.$

- $150 = 2^4 + 3^5 + 4^2 - 5^3$
  $= (2 \times 3 + 4!) \times 5$
  $= 5 \times (-\sqrt{4} + 32).$

- $152 = 2^5 + 3^4 + 4^3 - 5^2$
  $= 2 \times (3^4 - 5)$
  $= 5 \times 4! + 32.$

- $154 = 2^5 - 3^2 + 4^4 - 5^3$
  $= 2 \times (3 \times 4! + 5)$
  $= (5! - 43) \times 2.$

- $158 = -2^5 + 3^4 - 4^2 + 5^3$
  $= 2 + 3!^{\sqrt{4}} + 5!$
  $= 5! \times 4/3 - 2.$

- $170 = 2^4 + 3^5 - 4^3 - 5^2$
  $= (-2 + 3!^{\sqrt{4}}) \times 5$
  $= 5 \times (\sqrt{4} + 32).$

- $172 = 2^5 + 3^2 + 4^4 - 5^3$
  $= 2 + 34 \times 5$
  $= (5 + 4!) \times 3! - 2.$

- $188 = -2^4 + 3^5 - 4^3 + 5^2$
  $= 2 \times 34 + 5!.$

- $190 = -2^5 + 3^4 + 4^2 + 5^3$
  $= (2 + 3!^{\sqrt{4}}) \times 5$
  $= 5 \times (\sqrt{4} + 3!^2).$

- $220 = 2^4 + 3^5 - 4^3 + 5^2$
  $= 2 \times (-3! - 4 + 5!)$
  $= (5! - 4 - 3!) \times 2.$

- $222 = -2^5 - 3^3 + 4^4 + 5^2$
  $= -2 \times (3^{\sqrt{4}} - 5!).$

- $226 = -2^5 + 3^3 + 4^4 - 5^2$
  $= 2 \times (-3 - 4 + 5!)$
  $= (5! - 4 - 3) \times 2.$

- $236 = 2^5 - 3^3 + 4^4 - 5^2$
  $= (2 + 3)! - 4 + 5!$
  $= 5! - 4 + (3 + 2)!.$

- $254 = 2^5 + 3^4 + 4^2 + 5^3$
  $= 2 \times (3 + 4 + 5!)$
  $= (5! + 4 + 3) \times 2.$

- $266 = -2^4 + 3^5 + 4^3 - 5^2$
  $= 2 + 3! \times 4! + 5!$
  $= 5! + 4! \times 3! + 2.$

- $276 = -2^5 + 3^3 + 4^4 + 5^2$
  $= 23 \times \sqrt{4! + 5!}$
  $= 5! \times \sqrt{4} + 3!^2.$

- $286 = 2^5 - 3^3 + 4^4 + 5^2$
  $= -2 - 3 \times (4! - 5!)$
  $= (5! - 4!) \times 3 - 2.$

- $290 = 2^5 + 3^3 + 4^4 - 5^2$
  $= 2 + 3 \times (-4! + 5!)$
  $= (5! - 4!) \times 3 + 2.$

- $298 = 2^4 + 3^5 + 4^3 - 5^2$
  $= 2 \times (3! \times 4! + 5)$
  $= (5 + 4! \times 3!) \times 2.$

- $314 = -2^2 - 3^5 - 4^3 + 5^4$
  $= (5^4 + 3)/2.$

- $322 = 2^2 - 3^5 - 4^3 + 5^4$
  $= 54 \times 3! - 2.$

- $336 = -2^4 + 3^5 - 4^2 + 5^3$
  $= 5! + 4! \times 3^2.$

- $340 = 2^5 + 3^3 + 4^4 + 5^2$
  $= 2 \times 34 \times 5$
  $= -5 \times 4 + 3!!/2.$

- $348 = 2^4 + 3^5 + 4^3 + 5^2$
  $= 2 \times 3! \times (4! + 5)$
  $= (5 + 4!) \times 3! \times 2.$

- $358 = -2^5 + 3^2 + 4^4 + 5^3$
  $= -2 + 3 \times 4! \times 5$
  $= 5 \times 4! \times 3 - 2.$

- $368 = -2^4 + 3^5 + 4^2 + 5^3$
  $= 2 + 3 \times (\sqrt{4} + 5!)$
  $= (5! + 4^3) \times 2.$

- $370 = -2^2 + 3^5 + 4^4 - 5^3$
  $= (2 + 3 \times 4!) \times 5$
  $= 5 \times (4! \times 3 + 2).$

- $374 = 2^3 - 3^5 - 4^2 + 5^4$
  $= 2 + 3 \times (4 + 5!)$
  $= (5! + 4) \times 3 + 2.$

- $376 = 2^2 - 3^3 + 4^5 - 5^4$
  $= 2^{3!} \times 4 + 5!$
  $= 5! + 4^{3!-2}.$

- $390 = -2^3 - 3^5 + 4^2 + 5^4$
  $= 5!/4 + 3!!/2.$

- $400 = 2^4 + 3^5 + 4^2 + 5^3$
  $= (5 \times 4)^{\sqrt{3!-2}}.$

- $416 = 2^3 + 3^2 + 4^5 - 5^4$
  $= 2 \times 3!! - 4^5.$

- $422 = 2^5 + 3^2 + 4^4 + 5^3$
  $= (5! + 4 + 3!!)/2.$

- $430 = 2^2 + 3^3 + 4^5 - 5^4$
  $= -2 + 3 \times (4! + 5!)$
  $= 5 \times 43 \times 2.$

- $450 = 2^2 - 3^5 + 4^3 + 5^4$
  $= 5!^{\sqrt{4}}/32.$

- $482 = 2^3 + 3^5 + 4^4 - 5^2$
  $= 2 + (3! - \sqrt{4}) \times 5!$
  $= 5! + (4 + 3!!)/2.$

- $516 = -2^3 + 3^5 + 4^4 + 5^2$
  $= 5! \times 4 + 3!^2.$

- $602 = 2^5 + 3^2 - 4^3 + 5^4$
  $= 2 + (3 + \sqrt{4})! \times 5$
  $= 5! \times (\sqrt{4} + 3) + 2.$

- $604 = -2^5 + 3^3 - 4^2 + 5^4$
  $= (2 \times 3)! + 4 - 5!$
  $= -5! + 4 + (3 \times 2)!.$

- $620 = -2^2 + 3^5 + 4^4 + 5^3$
  $= (2 + 3)^4 - 5$
  $= 5^4 - 3 - 2.$

- $628 = 2^2 + 3^5 + 4^4 + 5^3$
  $= 5^4 + \sqrt{3^2}.$

- $648 = -2^5 - 3^2 + 4^3 + 5^4$
  $= 54 \times 3! \times 2.$

- $666 = -2^5 + 3^2 + 4^3 + 5^4$
  $= -54 + (3 \times 2)!.$

- $668 = 2^5 + 3^3 - 4^2 + 5^4$
  $= -54 + 3!! + 2.$

- $700 = 2^5 + 3^3 + 4^2 + 5^4$
  $= (2 \times 3)! - 4 \times 5$
  $= -5 \times 4 + (3 \times 2)!.$

- $712 = 2^5 - 3^2 + 4^3 + 5^4$
  $= 2 + 3!! - \sqrt{4} \times 5$
  $= -5 \times \sqrt{4} + 3!! + 2.$

- $730 = 2^5 + 3^2 + 4^3 + 5^4$
  $= (2 + 3! \times 4!) \times 5$
  $= 5 \times \sqrt{4} + (3 \times 2)!.$

- $814 = -2^2 - 3^4 + 4^5 - 5^3$
  $= -2 + 3!! - 4! + 5!$
  $= 5! - 4! + 3!! - 2.$

- $844 = -2^3 + 3^5 - 4^2 + 5^4$
  $= (2 \times 3)! + 4 + 5!$
  $= 5! + 4 + (3 \times 2)!.$

- $910 = -2^3 - 3^4 + 4^5 - 5^2$
  $= (2 + 3!!/4) \times 5.$

- $928 = -2^2 + 3^5 + 4^3 + 5^4$
  $= 2^3 \times (-4 + 5!)$
  $= (5 + 4!) \times 32.$

- $960 = -2^3 - 3^4 + 4^5 + 5^2$
  $= 2^3 \times 4! \times 5$
  $= 5!/4 \times 32.$

- $976 = 2^3 - 3^4 + 4^5 + 5^2$
  $= 2^3 \times (\sqrt{4} + 5!)$
  $= (5! + \sqrt{4}) \times (3! + 2).$

- $984 = 2^2 + 3^4 + 4^5 - 5^3$
  $= 5! + 4! \times 3!^2.$

- $1006 = -2^4 - 3^3 + 4^5 + 5^2$
  $= -2 + (3 + 4)!/5.$

- $1010 = -2^4 + 3^3 + 4^5 - 5^2$
  $= 2 + (3 + 4)!/5.$

- $1088 = 2^3 + 3^4 + 4^5 - 5^2$
  $= 2^{3!} + 4^5.$

- $1174 = 2^4 + 3^2 + 4^5 + 5^3$
  $= -2 + 3!^4 - 5!.$

- $1632 = -2^3 - 3^2 + 4^5 + 5^4$
  $= 2 \times (3!! - 4! + 5!)$
  $= (5! - 4! + 3!!) \times 2.$

- $1672 = -2^2 + 3^3 + 4^5 + 5^4$
  $= 2 \times (3!! - 4 + 5!)$
  $= (5! - 4 + 3!!) \times 2.$

- $1680 = 2^2 + 3^3 + 4^5 + 5^4$
  $= 2 \times (3 + 4) \times 5!$
  $= 5! \times (4 + 3) \times 2.$

- $2852 = -2^3 - 3^2 - 4^4 + 5^5$
  $= 23 \times (4 + 5!).$

- $2868 = 2^3 - 3^2 - 4^4 + 5^5$
  $= -2 \times 3! + 4! \times 5!$
  $= 5! \times 4! - 3! \times 2.$

- $2870 = -2^3 + 3^2 - 4^4 + 5^5$
  $= 2 \times (3!! \times \sqrt{4} - 5)$
  $= (-5 + \sqrt{4} \times 3!!) \times 2.$

- $2886 = 2^3 + 3^2 - 4^4 + 5^5$
  $= 2 \times 3 + 4! \times 5!$
  $= 5! \times 4! + 3 \times 2.$

- $2892 = -2^2 + 3^3 - 4^4 + 5^5$
  $= 2 \times 3! + 4! \times 5!$
  $= 5! \times 4! + 3! \times 2.$

- $2976 = -2^2 - 3^4 - 4^3 + 5^5$
  $= (-2 + 3!)! \times (4 + 5!)$
  $= (5! + 4) \times (3! - 2)!.$

- $3120 = -2^4 + 3^3 - 4^2 + 5^5$
  $= (2 + 3! \times 4) \times 5!$
  $= 5! \times (4 \times 3! + 2).$

### 2.3.3 In Terms of Digits 3, 4, 5 and 6

- $114 = 3^6 - 4^5 + 5^4 - 6^3$
  $= (3! \times 4 - 5) \times 6$
  $= 6 + 5! - 4 \times 3.$

- $298 = -3^3 - 4^6 + 5^5 + 6^4$
  $= -3!! + 4^5 - 6.$

- $546 = 3^6 - 4^5 + 5^4 + 6^3$
  $= -3! \times (4! + 5) + 6!$
  $= 6 \times (-5 - 4!) + 3!!.$

- $582 = 3^6 + 4^5 + 5^3 - 6^4$
  $= 3! - 4! - 5! + 6!$
  $= 6!/5 \times 4 + 3!.$

- $704 = -3^6 + 4^5 + 5^4 - 6^3$
  $= 3 - 4! + 5 + 6!$
  $= (6 + 5) \times 4^3.$

- $836 = 3^4 + 4^6 - 5^5 - 6^3$
  $= 3!! + \sqrt{4} + 5! - 6$
  $= 6! + 5! - 4!/3!.$

- $876 = 3^6 - 4^5 - 5^3 + 6^4$
  $= \sqrt{3!^4} + 5! + 6!$
  $= (6!/5 + \sqrt{4}) \times 3!.$

- $912 = 3^6 + 4^5 - 5^4 - 6^3$
  $= 3 \times (4^5 - 6!)$
  $= (-6 + 5!) \times 4!/3.$

- $1036 = -3^6 - 4^3 + 5^5 - 6^4$
  $= 3! + 4^5 + 6.$

- $1344 = 3^6 + 4^5 - 5^4 + 6^3$
  $= 3! \times 4 \times 56$
  $= 6! - 5! + 4! + 3!!.$

- $2868 = -3^6 + 4^4 + 5^5 + 6^3$
  $= -3! + 4! \times 5! - 6$
  $= -\sqrt{6!/5} + 4 \times 3!!.$

- $3168 = 3^5 + 4^6 + 5^3 - 6^4$
  $= 6^5/\sqrt{4} - 3!!.$

- $3474 = -3^4 - 4^6 - 5^3 + 6^5$
  $= (3!! - 4!) \times 5 - 6$
  $= -6 + 5 \times (-4! + 3!!).$

- $3636 = 3^4 - 4^6 - 5^3 + 6^5$
  $= 3!^{\sqrt{4}} + 5 \times 6!.$

- $3756 = -3^6 + 4^3 + 5^5 + 6^4$
  $= 6 \times 5^4 + 3!.$

- $3894 = 3^6 + 4^4 + 5^5 - 6^3$
  $= 6^5/\sqrt{4} + 3!.$

- $4278 = -3^3 - 4^6 + 5^4 + 6^5$
  $= 3! \times (-\sqrt{4} - 5 + 6!)$
  $= (6! - 5 - \sqrt{4}) \times 3!.$

- $4326 = 3^6 + 4^4 + 5^5 + 6^3$
  $= (3!! - 4 + 5) \times 6$
  $= (6! + 5 - 4) \times 3!.$

- $4332 = 3^3 - 4^6 + 5^4 + 6^5$
  $= 3! \times (\sqrt{4} + 5! \times 6)$
  $= (6 \times 5! + \sqrt{4}) \times 3!.$

- $5760 = 3^5 + 4^6 + 5^3 + 6^4$
  $= (3 \times 4 - 5)! + 6!$
  $= 6 \times 5! \times \sqrt{4^3}.$

- $6486 = -3^6 + 4^3 - 5^4 + 6^5$
  $= 3!^4 \times 5 + 6$
  $= 6! \times (5 + 4) + 3!.$

- $7704 = -3^4 - 4^3 + 5^6 - 6^5$
  $= 6^5 - 4! \times 3.$

- $7994 = 3^4 + 4^3 + 5^6 - 6^5$
  $= -6 + (5 \times 4)^3.$

## 2.4 Triple Representations of Numbers: Width 5

This section deals with the representations of natural numbers using five digits each time, i.e., width 4. By width 5, we understand that we use in sequence of digits, like, [1, 2, 3, 4, 5], [2, 3, 4, 5, 6], .... [5, 6, 7, 8, 9]. Three digits are used in three different ways. Two ways are based on subsection 1.1 , i.e., in increasing and decreasing order of digits. The third way is based on the subsection 1.2 . We observed that the numbers obtained up to 11111 are only in terms of digits [1, 2, 3, 4, 5], [2, 3, 4, 5, 6], [3, 4, 5, 6, 7] and [4, 5, 6, 7, 8].

### 2.4.1 In Terms of Digits 1, 2, 3, 4 and 5

- $1 = 1^5 + 2^4 - 3^3 + 4^2 - 5^1$
  $= 1^{2345}$
  $= (5 - 4)^{321}.$

- $3 = -1^1 + 2^5 + 3^4 + 4^2 - 5^3$
  $= 12/(3 - 4 + 5)$
  $= -54/3 + 21.$

- $5 = 1^1 + 2^5 + 3^4 + 4^2 - 5^3$
  $= 1^{234} \times 5$
  $= 5 \times (4 - 3)^{21}.$

- $7 = 1^4 - 2^5 + 3^3 + 4^2 - 5^1$
  $= \sqrt{12/3 + 45}$
  $= 54/3^2 + 1.$

- $9 = -1^5 + 2^4 - 3^3 + 4^2 + 5^1$
  $= -12 \times 3 + 45$
  $= 54/(3 \times 2 \times 1).$

- $11 = 1^5 + 2^4 - 3^3 + 4^2 + 5^1$
  $= 12/3 \times 4 - 5$
  $= -5 \times 4 + 32 - 1.$

- $13 = 1^3 + 2^2 - 3^5 + 4^4 - 5^1$
  $= 12/3 + 4 + 5$
  $= 5 + \sqrt{43 + 21}.$

- $15 = -1^5 + 2^2 + 3^4 - 4^3 - 5^1$
  $= 12 + 3 \times (-4 + 5)$
  $= 54/3 - 2 - 1.$

- $17 = 1^4 - 2^5 + 3^3 + 4^2 + 5^1$
  $= -12 + 34 - 5$
  $= (54 - 3)/(2 + 1).$

- $19 = 1^5 + 2^4 - 3^3 + 4^1 + 5^2$
  $= 12 + 3 \times 4 - 5$
  $= (54 + 3)/(2 + 1).$

- $21 = -1^3 + 2^2 - 3^5 + 4^4 + 5^1$
  $= 12/3 \times 4 + 5$
  $= 54 - 32 - 1.$

- $23 = 1^3 + 2^2 - 3^5 + 4^4 + 5^1$
  $= 1 - 23 + 45$
  $= 54 - 32 + 1.$

- $25 = 1^4 - 2^5 + 3^3 + 4^1 + 5^2$
  $= 1 + 23 - 4 + 5$
  $= 5 - 4 + 3 + 21.$

- $27 = 1^2 + 2^3 - 3^5 + 4^4 + 5^1$
  $= 12 \times 3! - 45$
  $= 5 + 43 - 21.$

- $29 = -1^1 - 2^3 - 3^5 + 4^4 + 5^2$
  $= 12 + 3 \times 4 + 5$
  $= (5 + 4) \times 3 + 2 \times 1.$

- $31 = 1^1 - 2^3 - 3^5 + 4^4 + 5^2$
  $= 1 \times 2 + 34 - 5$
  $= (5 - 4) \times 32 - 1.$

- $33 = 1^5 - 2^4 + 3^3 + 4^2 + 5^1$
  $= 1 + 23 + 4 + 5$
  $= 5 + 4 + 3 + 21.$

- $35 = 1^4 + 2^5 - 3^3 + 4^1 + 5^2$
  $= 12 \times 3 + 4 - 5$
  $= 54/3 \times 2 - 1.$

- $37 = 1^3 - 2^1 - 3^5 + 4^4 + 5^2$
  $= 12 \times 3 - 4 + 5$
  $= 54/3 \times 2 + 1.$

- $39 = -1^3 + 2^1 - 3^5 + 4^4 + 5^2$
  $= 1^2 \times (34 + 5)$
  $= 54/3 + 21.$

- $41 = 1^3 + 2^1 - 3^5 + 4^4 + 5^2$
  $= 12 + 34 - 5$
  $= 5 + 4 + 32 \times 1.$

- $43 = -1^5 + 2^1 + 3^4 - 4^3 + 5^2$
  $= 1^2 - 3 + 45$
  $= 5 \times \sqrt{4} + 32 + 1.$

- $45 = -1^1 + 2^3 - 3^5 + 4^4 + 5^2$
  $= 1^{23} \times 45$
  $= 5 + 43 - 2 - 1.$

- $47 = 1^4 - 2^5 + 3^2 + 4^3 + 5^1$
  $= (1 + 234)/5$
  $= 5 + 43 - 2 + 1.$

- $49 = 1^4 + 2^5 + 3^3 - 4^2 + 5^1$
  $= 12/3 + 45$
  $= 54 - 3 - 2 \times 1.$

- $51 = -1^5 + 2^2 - 3^4 + 4^1 + 5^3$
  $= 12 + 34 + 5$
  $= 5 + 43 + 2 + 1.$

- $53 = -1^5 + 2^4 + 3^3 + 4^2 - 5^1$
  $= 1 \times 2^3 + 45$
  $= 54 - 3 + 2 \times 1.$

- $55 = 1^4 - 2^5 - 3^1 + 4^3 + 5^2$
  $= (12 + 3) \times 4 - 5$
  $= 54 + 3 - 2 \times 1.$

- $57 = -1^5 - 2^1 - 3^4 + 4^2 + 5^3$
  $= -1 + 2 \times (34 - 5)$
  $= (54 + 3) \times (2 - 1).$

- $59 = -1^3 - 2^5 + 3^4 + 4^2 - 5^1$
  $= 1 + 2 \times (34 - 5)$
  $= 54 + 3 + 2 \times 1.$

- $61 = 1^4 - 2^5 + 3^1 + 4^3 + 5^2$
  $= 1^2 + 3 \times 4 \times 5$
  $= 54 + 3 \times 2 + 1.$

- $63 = -1^5 + 2^4 + 3^3 + 4^2 + 5^1$
  $= 1 \times 2 \times 34 - 5$
  $= (5 + 4)/3 \times 21.$

- $65 = 1^5 + 2^4 + 3^3 + 4^2 + 5^1$
  $= (12 + 3) \times 4 + 5$
  $= 5 + (4 + 3!) \times (2 + 1)!.$

- $67 = -1^5 + 2^3 + 3^4 + 4^1 - 5^2$
  $= -1 + 23 + 45$
  $= -5 + 4 \times (-3 + 21).$

- $69 = -1^3 - 2^5 + 3^4 + 4^2 + 5^1$
  $= 1 + 23 + 45$
  $= 5 + 43 + 21.$

- $71 = -1^5 + 2^4 + 3^3 + 4^1 + 5^2$
  $= 12 \times 3! + 4 - 5$
  $= 5 + 4^3 + 2 \times 1.$

- $73 = 1^5 + 2^4 + 3^3 + 4^1 + 5^2$
  $= 1 \times 2 \times 34 + 5$
  $= 5 \times \sqrt{4} + 3 \times 21.$

- $75 = 1^1 + 2^5 + 3^4 - 4^3 + 5^2$
  $= 1 - 2 + 3^4 - 5$
  $= (-5 + 43) \times 2 - 1.$

- $77 = -1^3 - 2^5 + 3^4 + 4^1 + 5^2$
  $= -1 + 2 \times (34 + 5)$
  $= 5 + 4 \times (-3 + 21).$

- $79 = 1^3 - 2^5 + 3^4 + 4^1 + 5^2$
  $= 12 \times (3 + 4) - 5$
  $= 5! - 43 + 2 \times 1.$

- $81 = 1^4 + 2^5 + 3^3 + 4^2 + 5^1$
  $= 12 \times 3 + 45$
  $= 54 \times 3/2 \times 1.$

- $83 = -1^5 + 2^4 + 3^2 + 4^3 - 5^1$
  $= (-1 + 23) \times 4 - 5$
  $= 5 \times 4 + 3 \times 21.$

- $85 = 1^5 + 2^4 + 3^2 + 4^3 - 5^1$
  $= 1 + 2 \times (-3 + 45)$
  $= 54 + 32 - 1.$

- $87 = -1^4 + 2^5 + 3^3 + 4^1 + 5^2$
  $= 1 \times 23 \times 4 - 5$
  $= 54 + 32 + 1.$

- $89 = 1^4 + 2^5 + 3^3 + 4^1 + 5^2$
  $= 12 \times (3 + 4) + 5$
  $= 5! + \sqrt{4} - 32 - 1.$

- $91 = -1^1 + 2^5 - 3^4 + 4^2 + 5^3$
  $= (1 + 23) \times 4 - 5$
  $= 5 + 43 \times 2 \times 1.$

- $93 = -1^5 + 2^4 + 3^2 + 4^3 + 5^1$
  $= (-1 + 23) \times 4 + 5$
  $= 5! + 4 - 32 + 1.$

- $95 = 1^5 + 2^4 + 3^2 + 4^3 + 5^1$
  $= (12 + 3 + 4) \times 5$
  $= (5 + 43) \times 2 - 1.$

- $97 = 1^2 - 2^5 - 3^1 + 4^4 - 5^3$
  $= 1 \times 23 \times 4 + 5$
  $= (5 + 43) \times 2 + 1.$

- $99 = 1^4 - 2^5 + 3^2 - 4^1 + 5^3$
  $= -1 \times 23 + \sqrt{4} + 5!$
  $= 5 \times 4 \times (3 + 2) - 1.$

- $101 = -1^5 - 2^3 + 3^4 + 4^1 + 5^2$
  $= (1 + 23) \times 4 + 5$
  $= (54 - 3) \times 2 - 1.$

- $103 = 1^5 - 2^3 + 3^4 + 4^1 + 5^2$
  $= 123 - 4 \times 5$
  $= (54 - 3) \times 2 + 1.$

- $105 = -1^4 - 2^5 + 3^2 + 4^1 + 5^3$
  $= (12 + 3) \times (\sqrt{4} + 5)$
  $= 5 \times (4 - 3) \times 21.$

- $107 = -1^5 + 2^4 + 3^1 + 4^3 + 5^2$
  $= (1 + 2) \times 34 + 5$
  $= 5! + 4!/3 - 21.$

- $109 = 1^5 + 2^4 + 3^1 + 4^3 + 5^2$
  $= 1 \times 2^{3!} + 45$
  $= 5! + 4 + 3! - 21.$

- $111 = 1^4 + 2^5 + 3^2 + 4^3 + 5^1$
  $= -12 \times 3/4 + 5!$
  $= 5! - 4 - 3 - 2 \times 1.$

- $113 = 1^4 - 2^5 + 3^1 + 4^2 + 5^3$
  $= 123 - \sqrt{4} \times 5$
  $= (54 + 3) \times 2 - 1.$

- $115 = 1^2 + 2^1 + 3^5 - 4^4 + 5^3$
  $= 1 + 234 - 5!$
  $= (54 + 3) \times 2 + 1.$

- $117 = -1^5 + 2^3 + 3^4 + 4^1 + 5^2$
  $= 12 \times 3! + 45$
  $= 54 + 3 \times 21.$

- $119 = 1^5 + 2^3 + 3^4 + 4^1 + 5^2$
  $= -1^{234} + 5!$
  $= -5 + 4 \times (32 - 1).$

- $121 = -1^5 - 2^4 + 3^2 + 4^1 + 5^3$
  $= 1^{234} + 5!$
  $= 5 \times 4 \times 3 \times 2 + 1.$

- $123 = -1^3 + 2^5 + 3^4 + 4^2 - 5^1$
  $= 123 \times (-4 + 5)$
  $= -5 + 4 \times 32 \times 1.$

- $125 = 1^4 + 2^5 + 3^1 + 4^3 + 5^2$
  $= 1 \times (23 + \sqrt{4}) \times 5$
  $= 5^4/(3 + 2) \times 1.$

- $127 = 1^4 + 2^2 + 3^5 + 4^1 - 5^3$
  $= 12 + (3 + \sqrt{4})! - 5$
  $= 5 - 4 + 3! \times 21.$

- $129 = 1^5 - 2^4 + 3^1 + 4^2 + 5^3$
  $= 123 + (\sqrt{4 + 5})!$
  $= 5 + 4 \times (32 - 1).$

- $131 = -1^5 + 2^2 - 3^1 + 4^4 - 5^3$
  $= 12 + 3 - 4 + 5!$
  $= 5 + \sqrt{4} \times 3 \times 21.$

- $133 = -1^3 + 2^5 + 3^4 + 4^2 + 5^1$
  $= 123 + \sqrt{4} \times 5$
  $= 5 + 4 \times 32 \times 1.$

- $135 = 1^3 + 2^5 + 3^4 + 4^2 + 5^1$
  $= 1^2 \times 3 \times 45$
  $= 5 + 4 + 3! \times 21.$

- $137 = -1^1 - 2^5 + 3^4 + 4^3 + 5^2$
  $= 1 \times 2 + 3 \times 45$
  $= 5 + 4 \times (32 + 1).$

- $139 = 1^1 - 2^5 + 3^4 + 4^3 + 5^2$
  $= 12 \times 3 \times 4 - 5$
  $= -5 \times (4 - 32) - 1.$

- $141 = -1^3 + 2^5 + 3^4 + 4^1 + 5^2$
  $= 12 + 3^{\sqrt{4}} + 5!$
  $= 54 \times 3 - 21.$

- $143 = 1^3 + 2^5 + 3^4 + 4^1 + 5^2$
  $= 123 + 4 \times 5$
  $= -5 + 4 \times (3!^2 + 1).$

- $145 = -1^5 + 2^4 + 3^2 - 4^1 + 5^3$
  $= 1^{23} + 4! + 5!$
  $= 5 \times (-4 + 32 + 1).$

- $147 = 1^5 + 2^4 + 3^2 - 4^1 + 5^3$
  $= 12 + 3 \times 45$
  $= 5! - 4 + 32 - 1.$

- $149 = -1^1 + 2^4 + 3^5 + 4^2 - 5^3$
  $= 12 \times 3 \times 4 + 5$
  $= 5 + (4 \times 3)^2 \times 1.$

- $151 = 1^1 + 2^4 + 3^5 + 4^2 - 5^3$
  $= -1 - 2 + 34 + 5!$
  $= 5! + 4 + 3^{2+1}.$

- $153 = -1^5 + 2^2 + 3^4 + 4^3 + 5^1$
  $= (1 + 2) \times (3! + 45)$
  $= (54 - 3) \times (2 + 1).$

- $155 = 1^5 + 2^2 + 3^4 + 4^3 + 5^1$
  $= 123 + \sqrt{4^5}$
  $= 5 \times (4 + 3^{2+1}).$

- $157 = -1^1 - 2^5 + 3^4 - 4^2 + 5^3$
  $= 1 \times 2 \times 3^4 - 5$
  $= 5! + 4 + 32 + 1.$

- $159 = -1^5 + 2^4 + 3^1 + 4^2 + 5^3$
  $= -1 + (-2 + 34) \times 5$
  $= 54 \times 3 - 2 - 1.$

- $161 = 1^5 + 2^4 + 3^1 + 4^2 + 5^3$
  $= 1 + (-2 + 34) \times 5$
  $= 54 \times 3 - 2 + 1.$

- $163 = 1^4 + 2^5 + 3^2 - 4^1 + 5^3$
  $= 1 + 2 \times (-3 + 4!) + 5!$
  $= 54 \times 3 + 2 - 1.$

- $165 = -1^2 + 2^5 + 3^1 + 4^4 - 5^3$
  $= (1 - 2 + 34) \times 5$
  $= 5 \times (4 \times 3 + 21).$

- $167 = -1^5 - 2^1 + 3^4 + 4^3 + 5^2$
  $= 1 \times 2 \times 3^4 + 5$
  $= 5! + 4 \times 3! \times 2 - 1.$

- $169 = 1^5 - 2^1 + 3^4 + 4^3 + 5^2$
  $= 1 - 2 + 34 \times 5$
  $= 5 \times (\sqrt{4} + 32) - 1.$

- $171 = 1^4 + 2^5 + 3^2 + 4^1 + 5^3$
  $= 1^2 + 34 \times 5$
  $= (54 + 3) \times (2 + 1).$

- $173 = 1^5 + 2^1 + 3^4 + 4^3 + 5^2$
  $= 1 + 2 + 34 \times 5$
  $= 54 + (3 + 2)! - 1.$

- $175 = -1^4 + 2^5 + 3^1 + 4^2 + 5^3$
  $= (1^2 + 34) \times 5$
  $= 5 \times (4 + 32 - 1).$

- $177 = 1^4 + 2^5 + 3^1 + 4^2 + 5^3$
  $= 1 \times 2 + 3!!/4 - 5$
  $= 5! \times \sqrt{4} - 3 \times 21.$

- $179 = 1^2 - 2^5 + 3^4 + 4^1 + 5^3$
  $= -1 + (2 + 34) \times 5$
  $= 5 \times (4 + 32) - 1.$

- $181 = -1^2 + 2^5 + 3^4 + 4^3 + 5^1$
  $= 1 + (2 + 34) \times 5$
  $= 543/(2 + 1).$

- $183 = 1^2 + 2^5 + 3^4 + 4^3 + 5^1$
  $= 1 + 2 + 3!^{\sqrt{4}} \times 5$
  $= 54 \times 3 + 21.$

- $187 = -1^4 + 2^2 + 3^5 - 4^3 + 5^1$
  $= 1 \times 2 + 3!!/4 + 5$
  $= 5! + 4 + 3 \times 21.$

- $189 = -1^1 - 2^5 + 3^4 + 4^2 + 5^3$
  $= 1 + 2 \times 34 + 5!$
  $= 54/3! \times 21.$

- $191 = 1^1 - 2^5 + 3^4 + 4^2 + 5^3$
  $= 1 - 2 + 3 \times 4! + 5!$
  $= 5! + 4! \times 3 - 2 + 1.$

- $193 = 1^2 - 2^5 - 3^3 + 4^4 - 5^1$
  $= -1 + 2 + 3 \times 4! + 5!$
  $= 5! + 4! \times 3 + 2 - 1.$

- $195 = -1^3 - 2^5 - 3^1 + 4^4 - 5^2$
  $= (1 + 2 + 3!^{\sqrt{4}}) \times 5$
  $= 5! + 4! \times 3 + 2 + 1.$

- $197 = -1^5 - 2^2 + 3^4 - 4^1 + 5^3$
  $= (1 + 2)!^3 - 4! + 5$
  $= -5! - 4 + 321.$

- $199 = -1^2 + 2^4 + 3^5 - 4^3 + 5^1$
  $= -1 \times 2 + 3^4 + 5!$
  $= -5! - \sqrt{4} + 321.$

- $201 = -1^1 + 2^5 + 3^4 + 4^3 + 5^2$
  $= (12 - 3)^{\sqrt{4}} + 5!$
  $= -5 \times 4! + 321.$

- $203 = 1^1 + 2^5 + 3^4 + 4^3 + 5^2$
  $= 1 \times 2 + 3^4 + 5!$
  $= -5! + \sqrt{4} + 321.$

- $205 = -1^5 + 2^2 + 3^4 - 4^1 + 5^3$
  $= (1 + 2^{3!} - 4!) \times 5$
  $= 5 \times (43 - 2) \times 1.$

- $207 = 1^4 + 2^1 + 3^5 - 4^3 + 5^2$
  $= 1 \times 23 \times (4 + 5)$
  $= 5! + 43 \times 2 + 1.$

- $209 = -1^3 - 2^5 - 3^2 + 4^4 - 5^1$
  $= \sqrt{1 + (2 + 3)!} \times (4! - 5)$
  $= 5 \times 43 - (2 + 1)!.$

- $211 = 1^3 - 2^5 - 3^2 + 4^4 - 5^1$
  $= (12 - 3) \times 4! - 5$
  $= -5 - 4! + 3!!/(2 + 1).$

- $213 = -1^5 + 2^2 + 3^4 + 4^1 + 5^3$
  $= 1 + 23 \times 4 + 5!$
  $= 5 \times 43 - 2 \times 1.$

- $215 = 1^5 + 2^2 + 3^4 + 4^1 + 5^3$
  $= -1 + (2 + 3)! - 4! + 5!$
  $= 5 \times 43 \times (2 - 1).$

- $217 = 1^3 - 2^4 + 3^5 - 4^2 + 5^1$
  $= 1 + (2+3)! - 4! + 5!$
  $= 5 \times 43 + 2 \times 1.$

- $219 = -1^5 - 2^1 + 3^4 + 4^2 + 5^3$
  $= 123 - 4! + 5!$
  $= \sqrt{5+4} + 3!^{2+1}.$

- $221 = 1^5 - 2^1 + 3^4 + 4^2 + 5^3$
  $= 12 \times (-3! + 4!) + 5$
  $= 5 \times 43 + (2+1)!.$

- $223 = -1^5 + 2^1 + 3^4 + 4^2 + 5^3$
  $= (1+2)!^3 + \sqrt{4} + 5$
  $= (5 + \sqrt{4}) \times 32 - 1.$

- $225 = 1^5 + 2^1 + 3^4 + 4^2 + 5^3$
  $= 1 \times (2+3) \times 45$
  $= 5 \times (43+2) \times 1.$

- $227 = -1^3 - 2^5 + 3^2 + 4^4 - 5^1$
  $= -1 - 2 \times 3! + \sqrt{4} \times 5!$
  $= (5! - 4 - 3) \times 2 + 1.$

- $229 = 1^3 - 2^5 + 3^2 + 4^4 - 5^1$
  $= 1 \times 234 - 5$
  $= (-5 + (\sqrt{4}+3)!) \times 2 - 1.$

- $231 = 1^5 - 2^2 - 3^3 + 4^4 + 5^1$
  $= 1 + 23 \times \sqrt{4} \times 5$
  $= (5! - 43) \times (2+1).$

- $233 = -1^2 + 2^5 + 3^4 - 4^1 + 5^3$
  $= -1 - 2 \times 3 + \sqrt{4} \times 5!$
  $= 5! \times \sqrt{4} - 3 \times 2 - 1.$

- $235 = 1^2 + 2^5 + 3^4 - 4^1 + 5^3$
  $= (1 \times 23 + 4!) \times 5$
  $= 5! \times \sqrt{4} - 3 \times 2 + 1.$

- $237 = -1^3 - 2^5 + 3^2 + 4^4 + 5^1$
  $= -\sqrt{12-3} + \sqrt{4} \times 5!$
  $= (-5 - 4 + 3!!)/(2+1).$

- $239 = 1^3 - 2^5 + 3^2 + 4^4 + 5^1$
  $= 1 \times 234 + 5$
  $= 5! \times (4-3) \times 2 - 1.$

- $241 = -1^2 + 2^5 + 3^4 + 4^1 + 5^3$
  $= 123 \times \sqrt{4} - 5$
  $= 5! \times (4-3) \times 2 + 1.$

- $243 = 1^2 + 2^5 + 3^4 + 4^1 + 5^3$
  $= 123 + 4! \times 5$
  $= 5! + (\sqrt{4}+3)! + 2 + 1.$

- $245 = -1^3 - 2^5 - 3^1 + 4^4 + 5^2$
  $= (1+2)!^3 + 4! + 5$
  $= 5! \times \sqrt{4} + 3 \times 2 - 1.$

- $247 = 1^3 - 2^5 - 3^1 + 4^4 + 5^2$
  $= 123 + 4 + 5!$
  $= -5 + 4 \times 3 \times 21.$

- $249 = 1^3 - 2^4 + 3^5 + 4^2 + 5^1$
  $= (1+2)!!/3 + 4 + 5$
  $= 5! + 43 \times (2+1).$

- $251 = -1^3 - 2^5 + 3^1 + 4^4 + 5^2$
  $= 123 \times \sqrt{4} + 5$
  $= -5 + 4^{3+2-1}.$

- $253 = -1^1 + 2^5 + 3^4 + 4^2 + 5^3$
  $= 1 + 2 \times 3! + \sqrt{4} \times 5!$
  $= -5 + 43 \times (2+1)!.$

- $255 = 1^1 + 2^5 + 3^4 + 4^2 + 5^3$
  $= -1 + 2^3 \times \sqrt{4^5}$
  $= (5 - 4! + 3)^2 - 1.$

- $257 = 1^2 - 2^5 + 3^3 + 4^4 + 5^1$
  $= 1 + 2^3 \times \sqrt{4^5}$
  $= 5 + 4 \times 3 \times 21.$

- $259 = -1^5 + 2^3 - 3^2 + 4^4 + 5^1$
  $= -1 + 2 \times (3! + 4 + 5!)$
  $= -5 + 4! + 3!!/(2+1).$

- $261 = -1^5 - 2^3 + 3^2 + 4^4 + 5^1$
  $= (12/3)^4 + 5$
  $= (5 + 4!) \times 3 \times (2+1).$

- $263 = 1^5 - 2^3 + 3^2 + 4^4 + 5^1$
  $= 1 \times 23 + \sqrt{4} \times 5!$
  $= 5! + 4! \times 3! - 2 + 1.$

- $265 = 1^4 - 2^3 + 3^5 + 4^1 + 5^2$
  $= (-1 + 2 \times (3 + 4!)) \times 5$
  $= 5 \times ((4! + 3) \times 2 - 1).$

- $267 = 1^2 + 2^5 - 3^3 + 4^4 + 5^1$
  $= 123 + 4! + 5!$
  $= -54 + 321.$

- $269 = -1^5 - 2^3 - 3^1 + 4^4 + 5^2$
  $= 1 - 2 + 3! \times 45$
  $= 54 \times (3+2) - 1.$

- $271 = 1^5 - 2^3 - 3^1 + 4^4 + 5^2$
  $= 1 + 2 \times 3 \times 45$
  $= 54 \times (3+2) + 1.$

- $273 = 1^4 + 2^3 + 3^5 + 4^2 + 5^1$
  $= 1 + 2 + 3! \times 45$
  $= (5 \times \sqrt{4} + 3) \times 21.$

- $275 = -1^1 - 2^5 + 3^3 + 4^4 + 5^2$
  $= -1 + 2 \times (-3! + 4! + 5!)$
  $= 5 \times (4! + 32 - 1).$

- $277 = -1^5 + 2^3 + 3^2 + 4^4 + 5^1$
  $= 1 + 2 \times (-3! + 4! + 5!)$
  $= (-5 + 4! \times 3!) \times 2 - 1.$

- $279 = 1^5 + 2^3 + 3^2 + 4^4 + 5^1$
  $= (1 + 2) \times (-3 - 4! + 5!)$
  $= ((5 + 4) \times (32 - 1)).$

- $281 = 1^3 + 2^4 + 3^5 + 4^2 + 5^1$
  $= -1 + 2 \times (-3 + 4! + 5!)$
  $= 5 \times (4! + 32) + 1.$

- $283 = 1^5 + 2^2 + 3^3 + 4^4 - 5^1$
  $= 12 \times 3! \times 4 + 5$
  $= -5 + 4! \times (3! + (2 + 1)!).$

- $285 = -1^1 + 2^5 - 3^3 + 4^4 + 5^2$
  $= (12 + 3) \times (4! - 5)$
  $= 5 \times (4! + 32 + 1).$

- $287 = -1^3 + 2^4 + 3^5 + 4^1 + 5^2$
  $= 1 - 2 + 3 \times (-4! + 5!)$
  $= (5 + 4) \times 32 - 1.$

- $289 = 1^3 + 2^4 + 3^5 + 4^1 + 5^2$
  $= -1 + 2 + 3 \times (-4! + 5!)$
  $= (5 + 4) \times 32 + 1.$

- $291 = -1^5 + 2^2 + 3^3 + 4^4 + 5^1$
  $= 1 + 2 + 3 \times (-4! + 5!)$
  $= -5!/4 + 321.$

- $293 = 1^5 + 2^2 + 3^3 + 4^4 + 5^1$
  $= -1 + 2 \times (3 + 4! + 5!)$
  $= 5 + 4! \times 3! \times 2 \times 1.$

- $295 = -1^2 - 2^4 + 3^5 + 4^3 + 5^1$
  $= -(1 + 2)^{3!} + 4^5$
  $= 5 \times (-4 + 3 \times 21).$

- $297 = 1^2 - 2^4 + 3^5 + 4^3 + 5^1$
  $= (1 + 2) \times (3 - 4! + 5!)$
  $= (5 + 4) \times (32 + 1).$

- $299 = 1^1 + 2^4 + 3^5 + 4^3 - 5^2$
  $= 1 - 2 + 3!!/4 + 5!$
  $= 5 \times 4^3 - 21.$

- $301 = -1^3 + 2^5 + 3^2 + 4^4 + 5^1$
  $= -(1 + 2)!! - 3 + 4^5$
  $= -5 \times 4 + 321.$

- $303 = 1^3 + 2^5 + 3^2 + 4^4 + 5^1$
  $= 1 - 2 - 3!! + 4^5$
  $= 54 \times 3! - 21.$

- $305 = -1^5 - 2^1 + 3^3 + 4^4 + 5^2$
  $= 1 - (2 \times 3)! + 4^5$
  $= 5 \times (4^3 - 2 - 1).$

- $307 = 1^5 - 2^1 + 3^3 + 4^4 + 5^2$
  $= 1 + 2 - 3!! + 4^5$
  $= -54 + 3!!/2 + 1.$

- $309 = -1^5 + 2^1 + 3^3 + 4^4 + 5^2$
  $= 1 + 2 \times (34 + 5!)$
  $= 5 \times (4^3 - 2) - 1.$

- $311 = 1^5 + 2^1 + 3^3 + 4^4 + 5^2$
  $= -1 + 2^3 \times 4! + 5!$
  $= 5 \times (4^3 - 2) + 1.$

- $313 = -1^1 - 2^2 - 3^5 - 4^3 + 5^4$
  $= 1 + 2^3 \times 4! + 5!$
  $= -5! + 432 + 1.$

- $315 = -1^3 + 2^5 + 3^1 + 4^4 + 5^2$
  $= (1 + 2 \times 3) \times 45$
  $= (5 + 4 + 3!) \times 21.$

- $317 = 1^3 + 2^5 + 3^1 + 4^4 + 5^2$
  $= (1 + 2 \times 3!) \times 4! + 5$
  $= 5 \times 4^3 - 2 - 1.$

- $319 = 1^2 + 2^4 + 3^5 + 4^3 - 5^1$
  $= -1 + \sqrt{2^{3\times 4}} \times 5$
  $= 5 \times 4^3 - 2 + 1.$

- $321 = 1^2 + 2^5 + 3^3 + 4^4 + 5^1$
  $= 1 + \sqrt{2^{3\times 4}} \times 5$
  $= (5 - 4) \times 321.$

- $323 = 1^1 + 2^2 - 3^5 - 4^3 + 5^4$
  $= 54 \times 3 \times 2 - 1.$

- $327 = -1^2 + 2^4 + 3^5 + 4^3 + 5^1$
  $= (5! - 4) \times 3 - 21.$

- $329 = 1^2 + 2^4 + 3^5 + 4^3 + 5^1$
  $= 12 \times (3 + 4!) + 5$
  $= 5 \times (4^3 + 2) - 1.$

- $331 = 1^4 - 2^1 + 3^5 + 4^3 + 5^2$
  $= 1 + (2^{3!} + \sqrt{4}) \times 5$
  $= 5 \times \sqrt{4} + 321.$

- $333 = -1^4 + 2^1 + 3^5 + 4^3 + 5^2$
  $= -12 + 345$
  $= (5 + 4) \times (3!^2 + 1).$

- $335 = 1^4 + 2^1 + 3^5 + 4^3 + 5^2$
  $= (-1 + 2 \times 34) \times 5$
  $= 5 \times (4 + 3 \times 21).$

- $337 = 1^1 - 2^4 + 3^5 - 4^2 + 5^3$
  $= 5! + 4! \times 3^2 + 1.$

- $339 = -1^1 + 2^5 + 3^3 + 4^4 + 5^2$
  $= -(1 + 2)! + 345$
  $= (5! - 4 - 3) \times (2 + 1).$

- $341 = 1^1 + 2^5 + 3^3 + 4^4 + 5^2$
  $= 1 + 2 \times 34 \times 5$
  $= 5 \times 4 + 321.$

- $345 = -1^2 - 2^5 - 3^1 + 4^4 + 5^3$
  $= 1^2 \times 345$
  $= 54 \times 3! + 21.$

- $347 = -1^1 + 2^4 + 3^5 + 4^3 + 5^2$
  $= 1 \times 2 + 345$
  $= (5! - 4) \times 3 - 2 + 1.$

- $349 = 1^1 + 2^4 + 3^5 + 4^3 + 5^2$
  $= -1 + (-2 + 3 \times 4!) \times 5$
  $= 5 \times (4! \times 3 - 2) - 1.$

- $351 = -1^2 - 2^5 + 3^1 + 4^4 + 5^3$
  $= (1 + 2)! + 345$
  $= 5!/4 + 321.$

- $353 = 1^2 - 2^5 + 3^1 + 4^4 + 5^3$
  $= -1 + 234 + 5!$
  $= (5! - \sqrt{4}) \times 3 - 2 + 1.$

- $355 = -1^2 - 2^4 + 3^5 + 4^1 + 5^3$
  $= 1 + 234 + 5!$
  $= 5 \times (4! \times 3 - 2 + 1).$

- $357 = -1^1 - 2^5 + 3^2 + 4^4 + 5^3$
  $= 12 + 345$
  $= (5 + 4 \times 3) \times 21.$

- $359 = 1^1 - 2^5 + 3^2 + 4^4 + 5^3$
  $= -1 + 2^3 \times 45$
  $= -5 + 4 + 3!!/2 \times 1.$

- $361 = 1^4 - 2^2 + 3^5 - 4^1 + 5^3$
  $= 1 + 2^3 \times 45$
  $= 5 - 4 + 3!!/2 \times 1.$

- $363 = -1^3 - 2^1 - 3^5 - 4^2 + 5^4$
  $= (1 + 2) \times (3 - \sqrt{4} + 5!)$
  $= 5 \times 4! \times 3 + 2 + 1.$

- $365 = 1^3 - 2^1 - 3^5 - 4^2 + 5^4$
  $= (12 + 3) \times 4! + 5$
  $= (5! + \sqrt{4}) \times 3 - 2 + 1.$

- $367 = -1^1 - 2^4 + 3^5 + 4^2 + 5^3$
  $= 1 + (2 + 3!!)/\sqrt{4} + 5$
  $= 5 + (4 + 3!!)/2 \times 1.$

- $369 = 1^4 + 2^2 + 3^5 - 4^1 + 5^3$
  $= 123 \times \sqrt{4 + 5}$
  $= (5! - 4) \times 3 + 21.$

- $371 = 1^2 - 2^3 - 3^5 - 4^1 + 5^4$
  $= 1 - 2 + 3 \times (4 + 5!)$
  $= (5! + 4) \times 3 - 2 + 1.$

- $373 = 1^2 - 2^1 + 3^5 + 4^4 - 5^3$
  $= -1 + 2 + 3 \times (4 + 5!)$
  $= (5! + 4) \times 3 + 2 - 1.$

- $375 = -1^4 + 2^2 + 3^5 + 4^1 + 5^3$
  $= 1 + 2 + 3 \times (4 + 5!)$
  $= 54 + 321.$

- $377 = 1^4 + 2^2 + 3^5 + 4^1 + 5^3$
  $= 1 + 2^{3!} \times 4 + 5!$
  $= 5! + \sqrt{4^{3!+2}} + 1.$

- $379 = 1^2 - 2^3 - 3^5 + 4^1 + 5^4$
  $= 5 \times 4 + 3!!/2 - 1.$

- $381 = -1^5 + 2^2 - 3^1 + 4^4 + 5^3$
  $= (1 + 2) \times (3 + 4 + 5!)$
  $= 5 \times 4! \times 3 + 21.$

- $383 = 1^4 - 2^1 + 3^5 + 4^2 + 5^3$
  $= -1 + 2 \times (3 \times 4! + 5!)$
  $= (5! + 4! \times 3) \times 2 - 1.$

- $385 = -1^4 + 2^1 + 3^5 + 4^2 + 5^3$
  $= 1 + 2 \times (3 \times 4! + 5!)$
  $= (5! + 4! \times 3) \times 2 + 1.$

- $387 = 1^4 + 2^1 + 3^5 + 4^2 + 5^3$
  $= (1 + 2) \times (\sqrt{3^4} + 5!)$
  $= (5! + \sqrt{4}) \times 3 + 21.$

- $389 = 1^2 + 2^4 + 3^5 + 4^1 + 5^3$
  $= 5 + 4! + 3!!/2 \times 1.$

- $391 = -1^5 + 2^1 + 3^2 + 4^4 + 5^3$
  $= -1 + 2^{\sqrt{3^4}} - 5!$
  $= -5! + (\sqrt{4})^{3^2} - 1.$

- $393 = 1^5 + 2^1 + 3^2 + 4^4 + 5^3$
  $= -12 + 3^4 \times 5$
  $= (5! + 4) \times 3 + 21.$

- $395 = 1^2 + 2^3 - 3^5 + 4^1 + 5^4$
  $= (-1 \times 2 + 3^4) \times 5$
  $= -(1 + 2)! + 3^4 \times 5.$

- $399 = -1^1 + 2^4 + 3^5 + 4^2 + 5^3$
  $= (-5 + 4 \times 3!) \times 21.$

- $401 = 1^1 + 2^4 + 3^5 + 4^2 + 5^3$
  $= -1 + 2 \times (3^4 + 5!)$
  $= (5 \times 4!/3!)^2 + 1.$

- $403 = -1^1 + 2^5 - 3^2 + 4^4 + 5^3$
  $= 12 \times 34 - 5.$

- $405 = -1^1 + 2^3 - 3^5 + 4^2 + 5^4$
  $= (12 - 3) \times 45$
  $= 5 \times (4! + 3) \times (2 + 1).$

- $407 = 1^1 + 2^3 - 3^5 + 4^2 + 5^4$
  $= 1 \times 2 + 3^4 \times 5$
  $= 5! + 4! \times 3! \times 2 - 1.$

- $409 = -1^2 + 2^5 - 3^1 + 4^4 + 5^3$
  $= 1 \times 23^{\sqrt{4}} - 5!$
  $= 5! + 4! \times 3! \times 2 + 1.$

- $411 = 1^2 + 2^5 - 3^1 + 4^4 + 5^3$
  $= (1 + 2)! + 3^4 \times 5$
  $= (5! + 4!) \times 3 - 21.$

- $415 = -1^2 + 2^5 + 3^1 + 4^4 + 5^3$
  $= (1 \times 2 + 3^4) \times 5$
  $= 54 + 3!!/2 + 1.$

- $417 = 1^2 + 2^5 + 3^1 + 4^4 + 5^3$
  $= 12 + 3^4 \times 5$
  $= 5! \times 4 - 3 \times 21.$

- $421 = -1^1 + 2^5 + 3^2 + 4^4 + 5^3$
  $= 5!/\sqrt{4} + 3!!/2 + 1.$

- $423 = 1^1 + 2^5 + 3^2 + 4^4 + 5^3$
  $= (1 + 2) \times (-3 + 4! + 5!)$
  $= (5! + 4! - 3) \times (2 + 1).$

- $425 = 1^2 - 2^1 + 3^3 + 4^5 - 5^4$
  $= 5 \times (43 \times 2 - 1).$

- $427 = -1^2 + 2^1 + 3^3 + 4^5 - 5^4$
  $= 12^3/4 - 5$
  $= -5 + 432 \times 1.$

- $429 = 1^2 + 2^1 + 3^3 + 4^5 - 5^4$
  $= -1 - 2 + 3 \times (4! + 5!)$
  $= 5 \times 43 \times 2 - 1.$

- $431 = 1^1 + 2^2 + 3^3 + 4^5 - 5^4$
  $= -1 + 23 \times 4! - 5!$
  $= 5 \times 43 \times 2 + 1.$

- $441 = -1^1 - 2^2 - 3^5 + 4^3 + 5^4$
  $= (-1 + 2^{3!}) \times (\sqrt{4} + 5)$
  $= 5 \times 4! + 321.$

- $443 = 1^1 - 2^2 - 3^5 + 4^3 + 5^4$
  $= 5! + \sqrt{4} + 321.$

- $445 = 1^2 - 2^1 - 3^5 + 4^3 + 5^4$
  $= (1 + 2^{3!} + 4!) \times 5$
  $= 5! + 4 + 321.$

- $447 = -1^2 + 2^1 - 3^5 + 4^3 + 5^4$
  $= (1 + 2) \times (3! \times 4! + 5).$

- $449 = 1^2 + 2^1 - 3^5 + 4^3 + 5^4$
  $= 1 + 2^{3!} \times (\sqrt{4} + 5)$
  $= 5! \times 4 - 32 + 1.$

- $451 = 1^1 + 2^2 - 3^5 + 4^3 + 5^4$
  $= -5 + 4! \times \sqrt{3!!/2 + 1}.$

- $465 = -1^1 - 2^3 + 3^5 + 4^4 - 5^2$
  $= (12 + 3^4) \times 5$
  $= 5! + 4! + 321.$

- $467 = 1^1 - 2^3 + 3^5 + 4^4 - 5^2$
  $= -1 - 2 \times 3! + 4 \times 5!$
  $= 5! \times 4 - 3! \times 2 - 1.$

- $471 = -1^3 - 2^1 + 3^5 + 4^4 - 5^2$
  $= -12 + 3 + 4 \times 5!$
  $= 5! \times 4 - 3! - 2 - 1.$

- $473 = 1^3 - 2^1 + 3^5 + 4^4 - 5^2$
  $= 1 - 2^3 + 4 \times 5!$
  $= 5! \times 4 - 3 \times 2 - 1.$

- $475 = -1^3 + 2^1 + 3^5 + 4^4 - 5^2$
  $= 1 \times (2 + 3)! \times 4 - 5$
  $= -5 + 4 \times (3 + 2)! \times 1.$

- $477 = 1^3 + 2^1 + 3^5 + 4^4 - 5^2$
  $= -1 - 2 + 3!! - \sqrt{4} \times 5!$
  $= 5! \times 4 - 3! + 2 + 1.$

- $481 = -1^1 + 2^3 + 3^5 + 4^4 - 5^2$
  $= (1 + 2)! \times 3^4 - 5$
  $= 5! \times 4 + 3/(2 + 1).$

- $483 = 1^1 + 2^3 + 3^5 + 4^4 - 5^2$
  $= 1 + 2 + (3! - \sqrt{4}) \times 5!$
  $= (5 \times 4 + 3) \times 21.$

- $485 = -1^2 - 2^3 + 3^5 + 4^4 - 5^1$
  $= 1 \times (2 + 3)! \times 4 + 5$
  $= 54 \times 3^2 - 1.$

- $487 = 1^2 - 2^3 + 3^5 + 4^4 - 5^1$
  $= 123 \times 4 - 5$
  $= 54 \times 3^2 + 1.$

- $489 = -1^3 - 2^2 + 3^5 + 4^4 - 5^1$
  $= 12 - 3 + 4 \times 5!$
  $= 5 + 4 \times ((3 + 2)! + 1).$

- $491 = 1^3 - 2^2 + 3^5 + 4^4 - 5^1$
  $= (1 + 2)! \times 3^4 + 5$
  $= 5! \times 4 + 3! \times 2 - 1.$

- $495 = -1^2 - 2^3 + 3^5 + 4^4 + 5^1$
  $= (123 - 4!) \times 5$
  $= 5! \times 4 - 3! + 21.$

- $497 = 1^2 - 2^3 + 3^5 + 4^4 + 5^1$
  $= 123 \times 4 + 5$
  $= (5! + 4) \times (3! - 2) + 1.$

- $499 = 1^3 + 2^2 + 3^5 + 4^4 - 5^1$
  $= 5^4 - 3! \times 21.$

- $501 = 1^3 - 2^2 + 3^5 + 4^4 + 5^1$
  $= (5 \times \sqrt{4})^3/2 + 1.$

- $503 = 1^2 + 2^3 + 3^5 + 4^4 - 5^1$
  $= 1 \times 23 + 4 \times 5!$
  $= 5! \times 4 + (3! - 2)! - 1.$

- $507 = -1^3 + 2^2 + 3^5 + 4^4 + 5^1$
  $= (1 + 2)^3 + 4 \times 5!$
  $= 5! \times 4 + 3! + 21.$

- $509 = 1^3 + 2^2 + 3^5 + 4^4 + 5^1$
  $= 5 + 4 \times 3! \times 21.$

- $511 = -1^2 + 2^3 + 3^5 + 4^4 + 5^1$
  $= -1 + 2^{3\times\sqrt{4+5}}$
  $= 5! \times 4 + 32 - 1.$

- $513 = 1^2 + 2^3 + 3^5 + 4^4 + 5^1$
  $= 1 + 2^{3\times\sqrt{4+5}}$
  $= 5! \times 4 + 32 + 1.$

- $515 = -1^1 - 2^3 + 3^5 + 4^4 + 5^2$
  $= 5! \times 4 + 3!^2 - 1.$

- $517 = 1^1 - 2^3 + 3^5 + 4^4 + 5^2$
  $= 1 \times 2^{\sqrt{3^4}} + 5$
  $= 5! \times 4 + 3!^2 + 1.$

- $519 = -1^1 - 2^5 - 3^2 - 4^3 + 5^4$
  $= (1 + 2)!! - 3^4 - 5!.$

- $523 = 1^3 - 2^1 + 3^5 + 4^4 + 5^2$
  $= (-1 + 23) \times 4! - 5.$

- $525 = -1^3 + 2^1 + 3^5 + 4^4 + 5^2$
  $= 1 + 23^{\sqrt{4}} - 5$
  $= 5 \times (\sqrt{4} + 3) \times 21.$

- $527 = 1^3 + 2^1 + 3^5 + 4^4 + 5^2$
  $= -1 + 2 \times (3! \times 4! + 5!)$
  $= (5! + 4! \times 3!) \times 2 - 1.$

- $533 = 1^1 + 2^3 + 3^5 + 4^4 + 5^2$
  $= (-1 + 23) \times 4! + 5.$

- $537 = -1^1 - 2^5 + 3^2 - 4^3 + 5^4$
  $= 543 - (2 + 1)!.$

- $539 = 1^1 - 2^5 + 3^2 - 4^3 + 5^4$
  $= -1 + 2 \times 3! \times 45$
  $= 5!/\sqrt{4} \times 3^2 - 1.$

- $549 = -1^1 - 2^5 - 3^3 - 4^2 + 5^4$
  $= 543 + (2 + 1)!.$

- $551 = 1^1 - 2^5 - 3^3 - 4^2 + 5^4$
  $= 5! + 432 - 1.$

- $553 = -1^5 + 2^1 - 3^2 - 4^3 + 5^4$
  $= 5! + 432 + 1.$

- $555 = 1^5 + 2^1 - 3^2 - 4^3 + 5^4$
  $= (1 + 2) \times (3!!/4 + 5)$
  $= (5! - 4!) \times 3! - 21.$

- $559 = -1^5 - 2^2 + 3^1 - 4^3 + 5^4$
  $= (5 + \sqrt{4})!/3^2 - 1.$

- $561 = -1^5 + 2^2 - 3^1 - 4^3 + 5^4$
  $= 5! \times \sqrt{4} + 321.$

- $567 = -1^5 + 2^2 + 3^1 - 4^3 + 5^4$
  $= (-1 + 2^{3!}) \times (4 + 5)$
  $= (5 + 4) \times 3 \times 21.$

- $571 = 1^2 - 2^5 - 3^3 + 4^1 + 5^4$
  $= (1 + 23)^{\sqrt{4}} - 5$
  $= -5 + 4! \times (3 + 21).$

- $573 = 1^5 + 2^1 + 3^2 - 4^3 + 5^4$
  $= (1 + 2)!! - 3 - 4! - 5!$
  $= -5! - 4! + 3!! - 2 - 1.$

- $575 = 1^3 - 2^5 - 3^1 - 4^2 + 5^4$
  $= -1 + (2 \times 3)! - 4! - 5!$
  $= 5 \times (-4 + (3 + 2)! - 1).$

- $579 = -1^3 - 2^5 + 3^1 - 4^2 + 5^4$
  $= -1 + (2 + 3) \times (-4 + 5!)$
  $= 5 \times (-4 + (3 + 2)!) - 1.$

- $581 = -1^1 - 2^5 - 3^3 + 4^2 + 5^4$
  $= 1 + (2 + 3) \times (-4 + 5!)$
  $= 5 \times (-4 + (3 + 2)!) + 1.$

- $583 = 1^1 - 2^5 - 3^3 + 4^2 + 5^4$
  $= -5! + 4 + 3!! - 21.$

- $585 = 1^1 + 2^5 - 3^2 - 4^3 + 5^4$
  $= (1 + 2 \times 3!) \times 45$
  $= 5 \times (-4 + (3 + 2)! + 1).$

- $589 = 1^3 - 2^5 - 3^2 + 4^1 + 5^4$
  $= -1 + ((2 + 3)! - \sqrt{4}) \times 5$
  $= 5^4 - 3!^2 \times 1.$

- $591 = 1^2 + 2^5 - 3^1 - 4^3 + 5^4$
  $= (1 + 2)!! - \sqrt{3^4} - 5!$
  $= (5! - \sqrt{4}) \times (3 + 2) + 1.$

- $595 = -1^2 + 2^5 + 3^1 - 4^3 + 5^4$
  $= (123 - 4) \times 5$
  $= -5! - 4 + 3!! - 2 + 1.$

- $597 = 1^2 + 2^5 + 3^1 - 4^3 + 5^4$
  $= 1 + (2 \times 3)! - 4 - 5!$
  $= 5 \times (\sqrt{4} + 3)! - 2 - 1.$

- $599 = 1^3 - 2^5 + 3^2 - 4^1 + 5^4$
  $= 1 - 2 + (3 + \sqrt{4})! \times 5$
  $= 5! + 4 \times (3 + 2)! - 1.$

- $601 = -1^1 + 2^5 + 3^2 - 4^3 + 5^4$
  $= -1 - 2 + 3!! + 4 - 5!$
  $= 5^4 - 3 - 21.$

- $603 = 1^1 + 2^5 + 3^2 - 4^3 + 5^4$
  $= 123 + 4 \times 5!$
  $= 5 \times (\sqrt{4} + 3)! + 2 + 1.$

- $605 = -1^3 - 2^5 + 3^2 + 4^1 + 5^4$
  $= (123 - \sqrt{4}) \times 5$
  $= 5 \times ((\sqrt{4} + 3)! + 2 - 1).$

- $607 = 1^3 - 2^5 + 3^2 + 4^1 + 5^4$
  $= 1 + 2 + 3!! + 4 - 5!$
  $= 5^4 + 3 - 21.$

- $611 = -1^3 - 2^5 + 3^1 + 4^2 + 5^4$
  $= 1 + (2 + (3 + \sqrt{4})!) \times 5$
  $= 5 \times ((\sqrt{4} + 3)! + 2) + 1.$

- $613 = 1^3 - 2^5 + 3^1 + 4^2 + 5^4$
  $= (1 + 2)^{3!} + 4 - 5!$
  $= 5^4 - 3! - (2 + 1)!.$

- $615 = -1^5 + 2^1 - 3^3 + 4^2 + 5^4$
  $= (-1 + (2 + 3)! + 4) \times 5$
  $= 5^4 - 3^2 - 1.$

- $617 = 1^5 + 2^1 - 3^3 + 4^2 + 5^4$
  $= 5^4 - 3^2 + 1.$

- $619 = -1^1 - 2^2 + 3^5 + 4^4 + 5^3$
  $= -1 + (2 + 3)^4 - 5$
  $= 5^4 - 3 - 2 - 1.$

- $621 = -1^5 - 2^3 + 3^2 - 4^1 + 5^4$
  $= 1 + (2 + 3)^4 - 5$
  $= 5^4 - 3 - 2 + 1.$

- $623 = 1^2 - 2^1 + 3^5 + 4^4 + 5^3$
  $= 1 - 2 + 3!! + 4! - 5!$
  $= 5^4 - 3 + 2 - 1.$

- $625 = 1^2 - 2^5 + 3^3 + 4^1 + 5^4$
  $= (123 + \sqrt{4}) \times 5$
  $= 5^4 \times 3/(2 + 1).$

- $627 = 1^2 + 2^1 + 3^5 + 4^4 + 5^3$
  $= 1 + 2 + 3!! + 4! - 5!$
  $= 5^4 + 3 - 2 + 1.$

- $629 = 1^1 + 2^2 + 3^5 + 4^4 + 5^3$
  $= -1 + (2 + 3)^4 + 5$
  $= 5^4 + 3 + 2 - 1.$

- $631 = 1^5 - 2^3 + 3^2 + 4^1 + 5^4$
  $= 1 + (2 + 3)^4 + 5$
  $= 5^4 + 3 + 2 + 1.$

- $633 = -1^2 + 2^5 - 3^3 + 4^1 + 5^4$
  $= 1 + 2^{\sqrt{3^4}} + 5!$
  $= 5^4 + 3! + 2 \times 1.$

- $635 = -1^1 - 2^5 + 3^3 + 4^2 + 5^4$
  $= (123 + 4) \times 5$
  $= 5 \times (4 \times 32 - 1).$

- $637 = 1^1 - 2^5 + 3^3 + 4^2 + 5^4$
  $= -5 + \sqrt{4} \times 321.$

- $639 = 1^5 + 2^3 + 3^2 - 4^1 + 5^4$
  $= -1 + 2^{3+4} \times 5$
  $= 5 \times 4 \times 32 - 1.$

- $643 = -1^3 + 2^5 + 3^1 - 4^2 + 5^4$
  $= (1 + 2)^3 \times 4! - 5$
  $= 5^4 - 3 + 21.$

- $645 = -1^5 + 2^3 + 3^2 + 4^1 + 5^4$
  $= (1 + 2^{3+4}) \times 5$
  $= 5 \times 43 \times (2 + 1).$

- $647 = 1^5 + 2^3 + 3^2 + 4^1 + 5^4$
  $= 5 + \sqrt{4} \times 321.$

- $649 = 1^1 - 2^5 - 3^2 + 4^3 + 5^4$
  $= 1 \times 23^{\sqrt{4}} + 5!$
  $= 5^4 + 3 + 21.$

- $651 = -1^5 + 2^3 + 3^1 + 4^2 + 5^4$
  $= -5 - 4^3 + (2 + 1)!!.$

- $653 = 1^5 + 2^3 + 3^1 + 4^2 + 5^4$
  $= (1 + 2)^3 \times 4! + 5$
  $= 5 - 4! \times 3 + (2 + 1)!!.$

- $655 = 1^2 - 2^5 - 3^1 + 4^3 + 5^4$
  $= -1 - 2^{3!} + (\sqrt{4 + 5})!!.$

- $659 = -1^5 + 2^2 + 3^3 + 4^1 + 5^4$
  $= -5!/\sqrt{4} + 3!! - 2 + 1.$

- $661 = 1^5 + 2^2 + 3^3 + 4^1 + 5^4$
  $= 5^4 + 3!^2 \times 1.$

- $663 = 1^3 + 2^5 + 3^2 - 4^1 + 5^4$
  $= -12 + 3!! - 45$
  $= -54 + 3!! - 2 - 1.$

- $665 = -1^1 - 2^5 + 3^2 + 4^3 + 5^4$
  $= -54 + (3 \times 2)! - 1.$

- $667 = 1^1 - 2^5 + 3^2 + 4^3 + 5^4$
  $= 1 \times 23 \times (4! + 5)$
  $= -54 + 3!! + 2 - 1.$

- $669 = -1^3 + 2^5 + 3^2 + 4^1 + 5^4$
  $= (1 + 2)!! - 3! - 45$
  $= -54 + 3!! + 2 + 1.$

- $671 = 1^3 + 2^5 + 3^2 + 4^1 + 5^4$
  $= -1 + 23 \times 4! + 5!.$

- $675 = -1^3 + 2^5 + 3^1 + 4^2 + 5^4$
  $= (12 + 3) \times 45$
  $= -54 + 3^{(2+1)!}.$

- $677 = 1^3 + 2^5 + 3^1 + 4^2 + 5^4$
  $= 1 \times 2 + 3!! - 45$
  $= (5 + 4! - 3)^2 + 1.$

- $679 = 1^5 - 2^1 - 3^2 + 4^3 + 5^4$
  $= -12 + 3!! - 4! - 5$
  $= -5 \times 4 + 3!! - 21.$

- $681 = 1^2 + 2^5 + 3^3 - 4^1 + 5^4$
  $= (1 + 2)!! - 34 - 5$
  $= -5!/\sqrt{4} + 3!! + 21.$

- $683 = 1^5 + 2^1 - 3^2 + 4^3 + 5^4$
  $= (5 - \sqrt{4})!! - 3!^2 - 1.$

- $687 = -1^2 + 2^5 + 3^3 + 4^1 + 5^4$
  $= 12 + 3!! - 45$
  $= 5! + (4! + 3) \times 21.$

- $689 = 1^2 + 2^5 + 3^3 + 4^1 + 5^4$
  $= -1 + 2 \times 345$
  $= -5!/4 + 3!! - 2 + 1.$

- $691 = 1^5 + 2^2 - 3^1 + 4^3 + 5^4$
  $= 1 + 2 \times 345$
  $= -5 - 4! + (3 + 2 + 1)!.$

- $695 = -1^5 + 2^2 + 3^1 + 4^3 + 5^4$
  $= (1 + 2)!! - 3! - 4! + 5$
  $= (5! - 4) \times 3! - 2 + 1.$

- $697 = 1^5 + 2^2 + 3^1 + 4^3 + 5^4$
  $= (1 + 2)! + 3!! - 4! - 5$
  $= -5 \times 4 - 3 + (2 + 1)!!.$

- $699 = -1^1 + 2^5 + 3^3 + 4^2 + 5^4$
  $= 1 - 2 + 3!! - 4 \times 5$
  $= (5 + 4 - 3)! - 21.$

- $701 = 1^1 + 2^5 + 3^3 + 4^2 + 5^4$
  $= -1 + 2 + 3!! - 4 \times 5$
  $= 5 - 4! + (3 + 2 + 1)!.$

- $711 = -1^1 + 2^5 - 3^2 + 4^3 + 5^4$
  $= 1 \times (2 \times 3)! - 4 - 5$
  $= -5 - 4 + (3 \times 2)! \times 1.$

- $713 = 1^1 + 2^5 - 3^2 + 4^3 + 5^4$
  $= 12 + 3!! - 4! + 5$
  $= -5 + 4 - 3! + (2 + 1)!!.$

- $717 = -1^2 + 2^5 - 3^1 + 4^3 + 5^4$
  $= 1 \times 2 + (3 \times \sqrt{4})! - 5$
  $= -5 + \sqrt{4} + (3 \times 2)! \times 1.$

- $719 = 1^2 + 2^5 - 3^1 + 4^3 + 5^4$
  $= -1 \times 2 + 3!! - 4 + 5$
  $= 5 \times 4 + 3!! - 21.$

- $723 = -1^2 + 2^5 + 3^1 + 4^3 + 5^4$
  $= 1 \times 2 + 3!! - 4 + 5$
  $= (5 + 4)^3 - (2 + 1)!.$

- $725 = 1^2 + 2^5 + 3^1 + 4^3 + 5^4$
  $= ((1 + 23)/4)! + 5$
  $= 5 \times ((4 \times 3)^2 + 1).$

- $729 = -1^1 + 2^5 + 3^2 + 4^3 + 5^4$
  $= (12 - 3)^{\sqrt{4+5}}$
  $= (54/3!)^{2+1}.$

- $731 = 1^1 + 2^5 + 3^2 + 4^3 + 5^4$
  $= 12 + 3!! + 4 - 5$
  $= (5 + 4)^3 + 2 \times 1.$

- $799 = -1^1 - 2^2 + 3^5 - 4^3 + 5^4$
  $= \sqrt{5^4} \times 32 - 1.$

- $801 = 1^1 - 2^2 + 3^5 - 4^3 + 5^4$
  $= 5! \times 4 + 321.$

- $805 = -1^2 + 2^1 + 3^5 - 4^3 + 5^4$
  $= (-1 + 2 \times 3^4) \times 5.$

- $807 = 1^2 + 2^1 + 3^5 - 4^3 + 5^4$
  $= (1 + 2)!! + 3 \times (4! + 5)$
  $= (5 + 4!) \times 3 + (2 + 1)!!.$

- $809 = 1^1 + 2^2 + 3^5 - 4^3 + 5^4$
  $= -1 + 2 \times 3^4 \times 5.$

- $813 = -1^1 - 2^2 - 3^4 + 4^5 - 5^3$
  $= -1 - 2 + 3!! - 4! + 5!$
  $= 5! - 4! + 3!! - 2 - 1.$

- $815 = 1^1 - 2^2 - 3^4 + 4^5 - 5^3$
  $= (1 + 2 \times 3^4) \times 5$
  $= -5^4 + 3!! \times 2 \times 1.$

- $817 = 1^2 - 2^1 - 3^4 + 4^5 - 5^3$
  $= 1 + (2 \times 3)! - 4! + 5!$
  $= 5! - 4! + (3 \times 2)! + 1.$

- $819 = -1^2 + 2^1 - 3^4 + 4^5 - 5^3$
  $= (-1 + 2^{3\times 4})/5$
  $= 5! + (\sqrt{4} \times 3)! - 21.$

- $821 = 1^2 + 2^1 - 3^4 + 4^5 - 5^3$
  $= 5! + \sqrt{4} + 3!! - 21.$

- $823 = 1^1 + 2^2 - 3^4 + 4^5 - 5^3$
  $= 5! + 4 + 3!! - 21.$

- $843 = -1^1 - 2^3 + 3^5 - 4^2 + 5^4$
  $= 1 + 2 + (3 + 4) \times 5!$
  $= 5! + 4 + (3 \times 2)! - 1.$

- $845 = 1^1 - 2^3 + 3^5 - 4^2 + 5^4$
  $= (1 + 2)^{3!} - 4 + 5!$
  $= 5! + 4 + (3 \times 2)! + 1.$

- $849 = -1^3 - 2^1 + 3^5 - 4^2 + 5^4$
  $= (1 + 2)^{3!} + 4! \times 5$
  $= 5 \times 4! + 3^{2+1}!.$

- $851 = 1^3 - 2^1 + 3^5 - 4^2 + 5^4$
  $= (1 + 2)^{3!} + \sqrt{4} + 5!$
  $= 5! + \sqrt{4} + 3^{2+1}!.$

- $853 = -1^3 + 2^1 + 3^5 - 4^2 + 5^4$
  $= (1 + 2)^{3!} + 4 + 5!$
  $= 5! + 4 + 3^{2+1}!.$

- $855 = 1^3 + 2^1 + 3^5 - 4^2 + 5^4$
  $= (1 + 2)!! + 3 \times 45$
  $= 5 \times (4! + 3) + (2 + 1)!!.$

• $857 = 1^2 - 2^3 + 3^5 - 4^1 + 5^4$
$= 5! - 4 + 3!! + 21.$

• $859 = -1^1 + 2^3 + 3^5 - 4^2 + 5^4$
$= 12 \times 3 \times 4! - 5$
$= -5 + 4! \times 3!^2 \times 1.$

• $861 = 1^1 + 2^3 + 3^5 - 4^2 + 5^4$
$= 123 \times (\sqrt{4} + 5)$
$= (5! + 4!) \times 3! - 2 - 1.$

• $863 = -1^2 - 2^3 + 3^5 + 4^1 + 5^4$
$= 1 - 2 + 3!! + 4! + 5!$
$= 5! + 4! + 3!! - 2 + 1.$

• $865 = 1^2 - 2^3 + 3^5 + 4^1 + 5^4$
$= 1 + (2 \times 3)! + 4! + 5!$
$= 5! + 4 + 3!! + 21.$

• $867 = -1^3 + 2^2 + 3^5 - 4^1 + 5^4$
$= (1 + 2)!! + 3 + 4! + 5!$
$= (5! + 4!) \times 3! + 2 + 1.$

• $869 = 1^3 + 2^2 + 3^5 - 4^1 + 5^4$
$= 12 \times 3 \times 4! + 5$
$= 5 + 4! \times 3!^2 \times 1.$

• $873 = 1^2 + 2^3 + 3^5 - 4^1 + 5^4$
$= (1 + 2)^{3!} + 4! + 5!$
$= 5! + 4! + 3^{(2+1)!}.$

• $875 = -1^3 + 2^2 + 3^5 + 4^1 + 5^4$
$= 5^{\sqrt{4}} \times (3!^2 - 1).$

• $883 = 1^3 - 2^1 + 3^5 + 4^2 + 5^4$
$= -5 + 4! \times (3!^2 + 1).$

• $885 = -1^3 + 2^1 + 3^5 + 4^2 + 5^4$
$= (-12 + 3!!)/4 \times 5$
$= 5! + 4! + 3!! + 21.$

• $887 = 1^3 + 2^1 + 3^5 + 4^2 + 5^4$
$= 5! + 4! \times 32 - 1.$

• $889 = 1^4 - 2^1 - 3^2 + 4^5 - 5^3$
$= -1 + (-2 + 3!!/4) \times 5$
$= 5! + 4! \times 32 + 1.$

• $891 = -1^1 + 2^3 + 3^5 + 4^2 + 5^4$
$= 1 + (-2 + 3!!/4) \times 5.$

• $893 = 1^1 + 2^3 + 3^5 + 4^2 + 5^4$
$= 5 + 4! \times (3!^2 + 1).$

• $897 = -1^4 - 2^2 + 3^1 + 4^5 - 5^3$
$= -1 - 2 + 3!!/4 \times 5.$

• $899 = 1^4 - 2^2 + 3^1 + 4^5 - 5^3$
$= -1 + (2 \times 3)!/4 \times 5$
$= (5 + 4!) \times (32 - 1).$

• $901 = 1^4 + 2^2 - 3^1 + 4^5 - 5^3$
$= -123 + 4^5$
$= (5 \times (\sqrt{4} \times 3))^2 + 1.$

• $905 = -1^4 + 2^2 + 3^1 + 4^5 - 5^3$
$= 1 - (2 + 3)! + 4^5$
$= 5 + (4! + 3!)^2 \times 1.$

• $909 = -1^4 + 2^1 + 3^2 + 4^5 - 5^3$
$= -1 + (2 + 3!!/4) \times 5.$

• $911 = 1^4 + 2^1 + 3^2 + 4^5 - 5^3$
$= 1 + (2 + 3!!/4) \times 5.$

• $915 = -1^3 - 2^1 - 3^4 + 4^5 - 5^2$
$= (1 + 2 + 3!!/4) \times 5.$

• $921 = 1^3 + 2^1 - 3^4 + 4^5 - 5^2$
$= (1 + 2)!! + 3^4 + 5!.$

• $925 = 1^1 + 2^4 + 3^2 + 4^5 - 5^3$
$= 5^{\sqrt{4}} \times (3!^2 + 1).$

• $927 = -1^1 - 2^2 + 3^5 + 4^3 + 5^4$
$= -1 + 2^3 \times (-4 + 5!)$
$= (5 + 4!) \times 32 - 1.$

• $929 = 1^1 - 2^2 + 3^5 + 4^3 + 5^4$
$= 1 + 2^3 \times (-4 + 5!)$
$= (5 + 4!) \times 32 + 1.$

• $935 = 1^2 + 2^1 + 3^5 + 4^3 + 5^4$
$= 5 \times 43 + (2 + 1)!!.$

• $939 = -1^2 - 2^3 - 3^4 + 4^5 + 5^1$
$= 5! \times 4!/3 - 21.$

• $943 = -1^3 - 2^2 - 3^4 + 4^5 + 5^1$
$= -1 + (2 + 3!) \times (-\sqrt{4} + 5!)$
$= (5! - \sqrt{4}) \times (3! + 2) - 1.$

• $945 = 1^3 - 2^2 - 3^4 + 4^5 + 5^1$
$= 1 + \sqrt{2^{3!}} \times (-\sqrt{4} + 5!)$
$= (5! - \sqrt{4}) \times (3! + 2) + 1.$

• $947 = 1^2 + 2^3 - 3^4 + 4^5 - 5^1$
$= -1 + 2 \times (-3! + 4 \times 5!)$
$= (5! \times 4 - 3!) \times 2 - 1.$

• $953 = 1^3 + 2^2 - 3^4 + 4^5 + 5^1$
$= -1 + 2 \times (-3 + 4 \times 5!)$
$= (5! \times 4 - 3) \times 2 - 1.$

• $955 = -1^2 + 2^3 - 3^4 + 4^5 + 5^1$
$= (1 + 2)!!/3 \times 4 - 5$
$= 5 \times (4! \times (3! + 2) - 1).$

• $957 = 1^2 + 2^3 - 3^4 + 4^5 + 5^1$
$= -1 - 2 + 3!! + \sqrt{4} \times 5!$
$= 5! \times \sqrt{4^3} - 2 - 1.$

- $959 = -1^1 - 2^3 - 3^4 + 4^5 + 5^2$
  $= -1 + 2^3 \times 4! \times 5$
  $= 5!/4 \times 32 - 1.$

- $961 = 1^1 - 2^3 - 3^4 + 4^5 + 5^2$
  $= 1 - 2^{3!} + 4^5$
  $= 5!/4 \times 32 + 1.$

- $965 = -1^3 - 2^1 - 3^4 + 4^5 + 5^2$
  $= (1 + 2^3 \times 4!) \times 5$
  $= (5! \times 4 + 3) \times 2 - 1.$

- $967 = 1^3 - 2^1 - 3^4 + 4^5 + 5^2$
  $= 12 \times 3^4 - 5$
  $= (5! \times 4 + 3) \times 2 + 1.$

- $969 = -1^3 + 2^1 - 3^4 + 4^5 + 5^2$
  $= (1 + 2)^{3!} + \sqrt{4} \times 5!$
  $= 5! \times \sqrt{4} + 3^{2+1}!.$

- $971 = 1^3 + 2^1 - 3^4 + 4^5 + 5^2$
  $= -1 + 2 \times (3! + 4 \times 5!)$
  $= (5! \times 4 + 3!) \times 2 - 1.$

- $973 = -1^4 + 2^1 - 3^3 + 4^5 - 5^2$
  $= 1 + 2 \times (3! + 4 \times 5!)$
  $= (5! \times 4 + 3!) \times 2 + 1.$

- $975 = -1^1 + 2^3 - 3^4 + 4^5 + 5^2$
  $= -1 + (2 + 3!) \times (\sqrt{4} + 5!)$
  $= (5! + \sqrt{4}) \times (3! + 2) - 1.$

- $977 = 1^1 + 2^3 - 3^4 + 4^5 + 5^2$
  $= 12 \times 3^4 + 5$
  $= (5! + \sqrt{4}) \times (3! + 2) + 1.$

- $979 = 1^2 - 2^1 + 3^4 + 4^5 - 5^3$
  $= (5 \times \sqrt{4})^3 - 21.$

- $981 = -1^2 + 2^1 + 3^4 + 4^5 - 5^3$
  $= 5! \times 4!/3 + 21.$

- $983 = 1^2 + 2^1 + 3^4 + 4^5 - 5^3$
  $= 5! + 4! \times 3!^2 - 1.$

- $985 = 1^1 + 2^2 + 3^4 + 4^5 - 5^3$
  $= 5! + 4! \times 3!^2 + 1.$

- $993 = -1^4 - 2^3 + 3^1 + 4^5 - 5^2$
  $= 1 + 2^3 \times (4 + 5!)$
  $= (5! + 4) \times (3! + 2) + 1.$

- $995 = 1^4 - 2^3 + 3^1 + 4^5 - 5^2$
  $= -5 + (4 + 3!)^{2+1}.$

- $997 = 1^4 + 2^2 - 3^3 + 4^5 - 5^1$
  $= -(1 + 2)^3 + 4^5$
  $= (5 \times \sqrt{4})^3 - 2 - 1.$

- $999 = 1^4 - 2^2 - 3^3 + 4^5 + 5^1$
  $= -1 - (-2 + 3!)! + 4^5$
  $= (5 \times \sqrt{4})^3 - 2 + 1.$

- $1001 = -1^4 - 2^3 - 3^2 + 4^5 - 5^1$
  $= -1 \times 23 + 4^5$
  $= (5 \times \sqrt{4})^3 + 2 - 1.$

- $1003 = -1^3 - 2^4 - 3^2 + 4^5 + 5^1$
  $= (5 \times \sqrt{4})^3 + 2 + 1.$

- $1005 = -1^4 + 2^2 - 3^3 + 4^5 + 5^1$
  $= -1 - 2 + (3 + 4)!/5$
  $= 5 + (4 + 3!)^{2+1}.$

- $1007 = 1^4 + 2^2 - 3^3 + 4^5 + 5^1$
  $= 1 - 2 + (3 + 4)!/5$
  $= (5 + \sqrt{4})!/(3 + 2) - 1.$

- $1009 = 1^2 + 2^4 - 3^3 + 4^5 - 5^1$
  $= -12 - 3 + 4^5$
  $= (5 + \sqrt{4})!/(3 + 2) + 1.$

- $1011 = -1^4 - 2^3 - 3^2 + 4^5 + 5^1$
  $= 1 + 2 + (3 + 4)!/5.$

- $1013 = 1^4 - 2^3 - 3^2 + 4^5 + 5^1$
  $= 1 - 2 \times 3! + 4^5.$

- $1017 = -1^2 + 2^4 - 3^3 + 4^5 + 5^1$
  $= 1 - 2^3 + 4^5.$

- $1019 = 1^2 + 2^4 - 3^3 + 4^5 + 5^1$
  $= 1 - 2 \times 3 + 4^5$
  $= -5 + 4^{3+2} \times 1.$

- $1021 = 1^4 - 2^1 - 3^3 + 4^5 + 5^2$
  $= -\sqrt{12 - 3} + 4^5$
  $= (5 \times \sqrt{4})^3 + 21.$

- $1023 = 1^3 - 2^4 + 3^2 + 4^5 + 5^1$
  $= 1 \times 2 - 3 + 4^5$
  $= 5! + 43 \times 21.$

- $1025 = 1^4 + 2^1 - 3^3 + 4^5 + 5^2$
  $= 1^{23} + 4^5$
  $= (5 + 4! + 3)^2 + 1.$

- $1027 = -1^4 + 2^3 - 3^2 + 4^5 + 5^1$
  $= \sqrt{12 - 3} + 4^5.$

- $1029 = -1^4 - 2^3 + 3^2 + 4^5 + 5^1$
  $= 1 \times 2 + 3 + 4^5$
  $= 5 + 4^{3+2} \times 1.$

- $1031 = 1^4 - 2^3 + 3^2 + 4^5 + 5^1$
  $= 1 + 2 \times 3 + 4^5.$

- $1035 = -1^3 - 2^4 + 3^1 + 4^5 + 5^2$
  $= (1 + 2) \times 345.$

- $1037 = -1^1 + 2^4 - 3^3 + 4^5 + 5^2$
  $= 1 + 2 \times 3! + 4^5.$

- $1039 = 1^1 + 2^4 - 3^3 + 4^5 + 5^2$
  $= 12 + 3 + 4^5.$

- $1041 = 1^2 - 2^4 + 3^3 + 4^5 + 5^1$
  $= (5 - \sqrt{4})!! + 321.$

- $1043 = -1^3 + 2^4 + 3^2 + 4^5 - 5^1$
  $= (5 + 4!) \times 3!^2 - 1.$

- $1045 = 1^4 - 2^3 + 3^1 + 4^5 + 5^2$
  $= (5 + 4!) \times 3!^2 + 1.$

- $1047 = 1^4 + 2^3 + 3^2 + 4^5 + 5^1$
  $= 1 \times 23 + 4^5.$

- $1049 = -1^4 + 2^2 + 3^3 + 4^5 - 5^1$
  $= 1 + (-2 + 3!)! + 4^5.$

- $1051 = 1^4 + 2^2 + 3^3 + 4^5 - 5^1$
  $= (1 + 2)^3 + 4^5.$

- $1061 = 1^4 + 2^2 + 3^3 + 4^5 + 5^1$
  $= (5! - \sqrt{4}) \times 3^2 - 1.$

- $1063 = 1^3 + 2^4 - 3^1 + 4^5 + 5^2$
  $= (5! - \sqrt{4}) \times 3^2 + 1.$

- $1065 = 1^1 - 2^2 - 3^4 + 4^5 + 5^3$
  $= (1 + 2)!! + 345.$

- $1071 = -1^2 + 2^4 + 3^3 + 4^5 + 5^1$
  $= (-1 + (2 + 3)!) \times (4 + 5)$
  $= (54 - 3) \times 21.$

- $1073 = 1^2 + 2^4 + 3^3 + 4^5 + 5^1$
  $= (5 + 4!) \times (3!^2 + 1).$

- $1075 = 1^4 - 2^1 + 3^3 + 4^5 + 5^2$
  $= (1 + 2)!! \times 3!/4 - 5$
  $= 5 \times (4! \times 3^2 - 1).$

- $1077 = -1^4 + 2^1 + 3^3 + 4^5 + 5^2$
  $= -1 - 2 + 3^{\sqrt{4}} \times 5!$
  $= \sqrt{5 + 4} \times (3!!/2 - 1).$

- $1079 = 1^4 + 2^1 + 3^3 + 4^5 + 5^2$
  $= 1 - 2 + \sqrt{3^4} \times 5!$
  $= 5! \times (4 + 3 + 2) - 1.$

- $1081 = -1^3 + 2^1 + 3^4 + 4^5 - 5^2$
  $= 1 + (2 + 3 + 4) \times 5!$
  $= 5! \times (4 + 3 + 2) + 1.$

- $1083 = 1^3 + 2^1 + 3^4 + 4^5 - 5^2$
  $= 1 + 2 + \sqrt{3^4} \times 5!$
  $= (5 - \sqrt{4}) \times (3!!/2 + 1).$

- $1087 = -1^1 + 2^3 + 3^4 + 4^5 - 5^2$
  $= -1 + 2^{3!} + 4^5$
  $= 543 \times 2 + 1.$

- $1089 = 1^1 + 2^3 + 3^4 + 4^5 - 5^2$
  $= 1 + 2^{3!} + 4^5$
  $= (5!/4 + 3)^2 \times 1.$

- $1095 = -1^3 - 2^2 + 3^4 + 4^5 - 5^1$
  $= (1 + 2) \times (3!!/\sqrt{4} + 5).$

- $1097 = 1^3 - 2^2 + 3^4 + 4^5 - 5^1$
  $= (5! + \sqrt{4}) \times 3^2 - 1.$

- $1107 = 1^3 - 2^2 + 3^4 + 4^5 + 5^1$
  $= 123 \times (4 + 5).$

- $1115 = 1^3 + 2^2 + 3^4 + 4^5 + 5^1$
  $= (5! + 4) \times 3^2 - 1.$

- $1117 = -1^2 + 2^3 + 3^4 + 4^5 + 5^1$
  $= (5! + 4) \times 3^2 + 1.$

- $1125 = 1^1 - 2^4 - 3^2 + 4^5 + 5^3$
  $= (12 + 3)^{\sqrt{4}} \times 5.$

- $1143 = 1^1 - 2^4 + 3^2 + 4^5 + 5^3$
  $= -1 + (2 + 3)! + 4^5$
  $= 5! + 4^{3+2} - 1.$

- $1147 = -1^4 - 2^2 + 3^1 + 4^5 + 5^3$
  $= 123 + 4^5.$

- $1151 = 1^4 + 2^2 - 3^1 + 4^5 + 5^3$
  $= -1 + 2 \times 3!! \times 4/5$
  $= (-5! - 4! + 3!!) \times 2 - 1.$

- $1155 = -1^4 + 2^2 + 3^1 + 4^5 + 5^3$
  $= 5^4 \times 3 - (2 + 1)!!.$

- $1169 = 1^2 + 2^4 + 3^1 + 4^5 + 5^3$
  $= -1 + 234 \times 5.$

- $1173 = -1^1 + 2^4 + 3^2 + 4^5 + 5^3$
  $= -1 - 2 + 3!^4 - 5!.$

- $1175 = 1^1 + 2^4 + 3^2 + 4^5 + 5^3$
  $= (1 + 234) \times 5.$

- $1225 = -1^1 - 2^2 + 3^4 + 4^5 + 5^3$
  $= (5 \times (4 + 3))^2 \times 1.$

- $1229 = 1^2 - 2^1 + 3^4 + 4^5 + 5^3$
  $= 1234 - 5.$

- $1235 = 1^1 + 2^2 + 3^4 + 4^5 + 5^3$
  $= (1 + 2^{3!}) \times (4! - 5).$

- $1617 = -1^1 - 2^2 - 3^3 + 4^5 + 5^4$
  $= (5! - 43) \times 21.$

- $1619 = 1^1 - 2^2 - 3^3 + 4^5 + 5^4$
  $= 5 \times (4! - 3!)^2 - 1.$

- $1621 = 1^2 - 2^1 - 3^3 + 4^5 + 5^4$
  $= 5 \times (-4! + 3!)^2 + 1.$

- $1625 = 1^2 + 2^1 - 3^3 + 4^5 + 5^4$
  $= 5 \times (4 + 321).$

- $1631 = -1^1 - 2^3 - 3^2 + 4^5 + 5^4$
  $= -1 + 2 \times (3!! - 4! + 5!)$
  $= (5! - 4! + 3!!) \times 2 - 1.$

- $1633 = 1^1 - 2^3 - 3^2 + 4^5 + 5^4$
  $= 1 + 2 \times (3!! - 4! + 5!)$
  $= (5! - 4! + 3!!) \times 2 + 1.$

- $1655 = -1^3 + 2^2 + 3^1 + 4^5 + 5^4$
  $= -1 + 2^{3!} \times 4! + 5!.$

- $1657 = 1^3 + 2^2 + 3^1 + 4^5 + 5^4$
  $= 1 + 2^{3!} \times 4! + 5!.$

- $1659 = -1^3 + 2^1 + 3^2 + 4^5 + 5^4$
  $= (5 + \sqrt{4})!/3 - 21.$

- $1671 = -1^1 - 2^2 + 3^3 + 4^5 + 5^4$
  $= -1 + 2 \times (3!! - 4 + 5!)$
  $= (5! - 4 + 3!!) \times 2 - 1.$

- $1673 = 1^1 - 2^2 + 3^3 + 4^5 + 5^4$
  $= 1 + 2 \times (3!! - 4 + 5!)$
  $= (5! - 4 + 3!!) \times 2 + 1.$

- $1675 = 1^2 - 2^1 + 3^3 + 4^5 + 5^4$
  $= -1 + 2 \times (3!! - \sqrt{4} + 5!)$
  $= 5 \times (-4! + 3!!/2 - 1).$

- $1677 = -1^2 + 2^1 + 3^3 + 4^5 + 5^4$
  $= 1 + 2 \times (3!! - \sqrt{4} + 5!)$
  $= (5 + \sqrt{4})!/3 - 2 - 1.$

- $1679 = 1^2 + 2^1 + 3^3 + 4^5 + 5^4$
  $= -1 + (2 + 3 \times 4) \times 5!$
  $= ((5 + \sqrt{4})! - 3)/(2 + 1).$

- $1681 = 1^1 + 2^2 + 3^3 + 4^5 + 5^4$
  $= 1 + (2 + 3 \times 4) \times 5!$
  $= 5! \times \sqrt{4} + 3!! \times 2 + 1.$

- $2837 = -1^1 - 2^2 - 3^3 - 4^4 + 5^5$
  $= (-12 + 3!!) \times 4 + 5.$

- $2843 = -1^2 + 2^1 - 3^3 - 4^4 + 5^5$
  $= 5! \times 4! - 3!^2 - 1.$

- $2845 = 1^2 + 2^1 - 3^3 - 4^4 + 5^5$
  $= 5! \times 4! - 3!^2 + 1.$

- $2847 = 1^1 + 2^2 - 3^3 - 4^4 + 5^5$
  $= 5! \times 4! - 32 - 1.$

- $2851 = -1^1 - 2^3 - 3^2 - 4^4 + 5^5$
  $= (-1 + (2 + 3)!) \times 4! - 5$
  $= -5 + 4! \times ((3 + 2)! - 1).$

- $2853 = 1^1 - 2^3 - 3^2 - 4^4 + 5^5$
  $= 1 + 23 \times (4 + 5!)$
  $= 5! \times 4! - 3! - 21.$

- $2857 = -1^2 - 2^3 - 3^1 - 4^4 + 5^5$
  $= -1 \times 23 + 4! \times 5!$
  $= 5! \times 4! - (3! - 2)! + 1.$

- $2859 = 1^2 - 2^3 - 3^1 - 4^4 + 5^5$
  $= 5! \times 4 \times 3! - 21.$

- $2861 = -1^3 + 2^1 - 3^2 - 4^4 + 5^5$
  $= (-1 + (2 + 3)!) \times 4! + 5$
  $= 5 + 4! \times ((3 + 2)! - 1).$

- $2863 = -1^2 - 2^3 + 3^1 - 4^4 + 5^5$
  $= (-1 - 2 + 3!!) \times 4 - 5$
  $= -5 + 4 \times (3!! - 2 - 1).$

- $2865 = 1^2 - 2^3 + 3^1 - 4^4 + 5^5$
  $= -12 - 3 + 4! \times 5!$
  $= 5! \times 4! + 3! - 21.$

- $2867 = -1^3 - 2^2 + 3^1 - 4^4 + 5^5$
  $= 1 \times (-2 + 3!!) \times 4 - 5$
  $= 5! \times 4! - 3! \times 2 - 1.$

- $2869 = 1^3 - 2^2 + 3^1 - 4^4 + 5^5$
  $= -(1 + 2)! + 3!! \times 4 + 5$
  $= 5! \times 4! - \sqrt{(3 + 2)! + 1}.$

- $2871 = 1^1 - 2^3 + 3^2 - 4^4 + 5^5$
  $= (-1 + (2 \times 3)!) \times 4 - 5$
  $= 5! \times 4! - 3! - 2 - 1.$

- $2873 = -1^2 + 2^3 - 3^1 - 4^4 + 5^5$
  $= -1 - 2 \times 3 + 4! \times 5!$
  $= -5 + 4 \times 3!! - 2 \times 1.$

- $2875 = -1^3 + 2^2 + 3^1 - 4^4 + 5^5$
  $= 1^2 \times 3!! \times 4 - 5$
  $= 5! \times 4! - 3! + 2 - 1.$

- $2877 = 1^3 + 2^2 + 3^1 - 4^4 + 5^5$
  $= (-1 + 2) \times (-3 + 4! \times 5!)$
  $= 5! \times 4 \times 3! - 2 - 1.$

- $2879 = -1^2 + 2^3 + 3^1 - 4^4 + 5^5$
  $= 1 - 2 + 3! \times 4 \times 5!$
  $= 5 + 4 \times 3!! - (2 + 1)!.$

- $2881 = 1^2 + 2^3 + 3^1 - 4^4 + 5^5$
  $= 1 + 2^{3!} \times 45$
  $= 5! \times 4! + 3 - 2 \times 1.$

- $2885 = -1^1 + 2^3 + 3^2 - 4^4 + 5^5$
  $= 1 - 2 + 3! + 4! \times 5!$
  $= 5 + 4 \times (3 \times 2)! \times 1.$

- $2887 = 1^1 + 2^3 + 3^2 - 4^4 + 5^5$
  $= 1 + 2 \times 3 + 4! \times 5!$
  $= -5 + 4 \times (3!! + 2 + 1).$

- $2891 = -1^1 - 2^2 + 3^3 - 4^4 + 5^5$
  $= (1 + 2)! + 3!! \times 4 + 5$
  $= 5! \times 4! + 3! \times 2 - 1.$

- $2893 = 1^1 - 2^2 + 3^3 - 4^4 + 5^5$
  $= (1 \times 2 + 3!!) \times 4 + 5$
  $= 5! \times 4! + 3! \times 2 + 1.$

- $2895 = 1^2 - 2^1 + 3^3 - 4^4 + 5^5$
  $= 12 + 3 + 4! \times 5!$
  $= 5! \times 4! - 3! + 21.$

- $2897 = -1^2 + 2^1 + 3^3 - 4^4 + 5^5$
  $= (1 + 2 + 3!!) \times 4 + 5$
  $= 5 + 4 \times (3!! + 2 + 1).$

- $2899 = 1^2 + 2^1 + 3^3 - 4^4 + 5^5$
  $= (1 + (2 + 3)!) \times 4! - 5$
  $= 5! \times 4! + \sqrt{3!!/2 + 1}.$

- $2901 = 1^1 + 2^2 + 3^3 - 4^4 + 5^5$
  $= 5! \times 4 \times 3! + 21.$

- $2975 = -1^1 - 2^2 - 3^4 - 4^3 + 5^5$
  $= -1 + (-2 + 3!)! \times (4 + 5!)$
  $= (5! + 4) \times (3! - 2)! - 1.$

- $2977 = 1^1 - 2^2 - 3^4 - 4^3 + 5^5$
  $= 1 + (-2 + 3!)! \times (4 + 5!)$
  $= (5! + 4) \times (3! - 2)! + 1.$

- $2979 = 1^2 - 2^1 - 3^4 - 4^3 + 5^5$
  $= 5! + 4 \times 3!! - 21.$

- $3019 = -1^1 - 2^3 - 3^4 - 4^2 + 5^5$
  $= -5 + 4! \times 3! \times 21.$

- $3021 = 1^1 - 2^3 - 3^4 - 4^2 + 5^5$
  $= 5! + 4 \times 3!! + 21.$

- $3025 = -1^3 - 2^1 - 3^4 - 4^2 + 5^5$
  $= \sqrt{5^4} \times ((3 + 2)! + 1).$

- $3029 = -1^3 + 2^1 - 3^4 - 4^2 + 5^5$
  $= 5 + 4! \times 3! \times 21.$

- $3063 = 1^4 + 2^2 - 3^1 - 4^3 + 5^5$
  $= (1 + 2) \times (-3 + 4^5).$

- $3069 = 1^4 + 2^2 + 3^1 - 4^3 + 5^5$
  $= -1 - 2 + 3 \times 4^5.$

- $3071 = -1^4 + 2^1 + 3^2 - 4^3 + 5^5$
  $= 1 - 2 + 3 \times 4^5$
  $= (5! - 4!) \times 32 - 1.$

- $3073 = 1^4 + 2^1 + 3^2 - 4^3 + 5^5$
  $= 1^2 + 3 \times 4^5$
  $= (5! - 4!) \times 32 + 1.$

- $3075 = 1^2 + 2^4 - 3^1 - 4^3 + 5^5$
  $= 1 + 2 + 3 \times 4^5.$

- $3081 = 1^2 + 2^4 + 3^1 - 4^3 + 5^5$
  $= (1 + 2) \times (3 + 4^5).$

- $3087 = 1^1 + 2^4 + 3^2 - 4^3 + 5^5$
  $= (5! + 4! + 3) \times 21.$

- $3113 = 1^4 - 2^1 - 3^3 + 4^2 + 5^5$
  $= -12 + (3 + \sqrt{4})^5.$

- $3119 = 1^2 + 2^4 - 3^3 + 4^1 + 5^5$
  $= -1 + (2 + 3! \times 4) \times 5!$
  $= (5! + \sqrt{4} \times 3!!) \times 2 - 1.$

- $3121 = -1^3 - 2^4 + 3^2 + 4^1 + 5^5$
  $= 1 + 2 \times (3!! \times \sqrt{4} + 5!)$
  $= (5! + \sqrt{4} \times 3!!) \times 2 + 1.$

- $3123 = 1^4 - 2^3 + 3^2 - 4^1 + 5^5$
  $= -1 \times 2 + (3 + \sqrt{4})^5$
  $= 5^{\sqrt{4}+3} - 2 \times 1.$

- $3127 = -1^3 - 2^4 + 3^1 + 4^2 + 5^5$
  $= 1 \times 2 + (3 + \sqrt{4})^5$
  $= 5^{\sqrt{4}+3} + 2 \times 1.$

- $3129 = -1^1 + 2^4 - 3^3 + 4^2 + 5^5$
  $= (5 + 4! \times 3!) \times 21.$

- $3131 = 1^4 - 2^3 + 3^2 + 4^1 + 5^5$
  $= (1 + 2)! + (3 + \sqrt{4})^5$
  $= 5^{\sqrt{4}+3} + (2 + 1)!.$

- $3135 = -1^4 - 2^3 + 3^1 + 4^2 + 5^5$
  $= (5! - 4^3)^2 - 1.$

- $3137 = 1^4 - 2^3 + 3^1 + 4^2 + 5^5$
  $= 12 + (3 + \sqrt{4})^5$
  $= (5! - 4^3)^2 + 1.$

- $3195 = 1^2 - 2^3 + 3^4 - 4^1 + 5^5$
  $= ((1 + 2)!! - 3^4) \times 5.$

- $3201 = 1^4 + 2^1 + 3^2 + 4^3 + 5^5$
  $= 5! \times 4! + 321.$

- $3219 = 1^2 + 2^3 + 3^4 + 4^1 + 5^5$
  $= 5! \times (4! + 3) - 21.$

- $3231 = 1^1 + 2^3 + 3^4 + 4^2 + 5^5$
  $= (5 + 4) \times (3!!/2 - 1).$

- $3359 = 1^1 + 2^2 - 3^3 + 4^4 + 5^5$
  $= -1 + (-2 + 3! + 4!) \times 5!$
  $= 5! \times (-4 + 32) - 1.$

- $3371 = 1^2 - 2^3 - 3^1 + 4^4 + 5^5$
  $= -5 + 4^{3!} - (2 + 1)!!.$

- $3375 = -1^2 - 2^3 + 3^1 + 4^4 + 5^5$
  $= (12 + 3)^{\sqrt{4+5}}$
  $= (5 + 4 + 3!)^{2+1}.$

- $3381 = -1^1 - 2^3 + 3^2 + 4^4 + 5^5$
  $= 5 + 4^{3!} - (2 + 1)!!.$

- $3385 = -1^2 + 2^3 - 3^1 + 4^4 + 5^5$
  $= 5 \times (-43 + (2 + 1)!!).$

### 2.4.2 In Terms of Digits 2, 3, 4, 5 and 6

- $12 = -2^6 + 3^5 - 4^4 + 5^3 - 6^2$
  $= 2 \times 34 - 56$
  $= 6 + 54/3^2.$

- $28 = 2^5 - 3^6 + 4^3 + 5^4 + 6^2$
  $= 23 + 4 - 5 + 6$
  $= 6 + 54 - 32.$

- $36 = 2^5 + 3^6 - 4^3 - 5^4 - 6^2$
  $= 23 \times 4 - 56$
  $= 6 \times 54/3^2.$

- $38 = -2^6 - 3^5 + 4^4 + 5^3 - 6^2$
  $= 23 + 4 + 5 + 6$
  $= 6 \times (5 - 4) + 32.$

- $44 = -2^5 + 3^6 - 4^3 - 5^4 + 6^2$
  $= 2 + 3 + 45 - 6$
  $= (65 - 43) \times 2.$

- $64 = -2^5 - 3^6 - 4^2 + 5^4 + 6^3$
  $= 2 \times (34 - 5) + 6$
  $= 65 + 4 - 3 - 2.$

- $70 = 2^4 - 3^6 + 4^5 - 5^2 - 6^3$
  $= 2 + 3 \times 4 + 56$
  $= 65 + 4 + 3 - 2.$

- $74 = -2^6 - 3^2 - 4^5 - 5^3 + 6^4$
  $= 23 + 45 + 6$
  $= 65 + 4 + 3 + 2.$

- $84 = -2^6 + 3^5 - 4^4 + 5^3 + 6^2$
  $= (23 - 4 - 5) \times 6$
  $= (6 + 54 \times 3)/2.$

- $86 = -2^6 - 3^5 - 4^2 + 5^4 - 6^3$
  $= 2 \times 3 + 4! + 56$
  $= 6 \times (5 + 4) + 32.$

- $88 = -2^4 - 3^6 + 4^5 + 5^2 - 6^3$
  $= 2^3 \times 4 + 56$
  $= (6 - 5 + 43) \times 2.$

- $92 = -2^6 + 3^2 - 4^5 - 5^3 + 6^4$
  $= 2 + 34 + 56$
  $= 6 + 54 + 32.$

- $96 = -2^5 - 3^6 + 4^2 + 5^4 + 6^3$
  $= 2 \times (3! + 45) - 6$
  $= 6 \times (54/3 - 2).$

- $100 = -2^5 + 3^6 + 4^3 - 5^4 - 6^2$
  $= -2 + 3 \times 4! + 5 \times 6$
  $= (6 + 5 - 4 + 3)^2.$

- $108 = 2^5 + 3^6 - 4^3 - 5^4 + 6^2$
  $= (234 - 5! - 6)$
  $= (6 + 5 + 43) \times 2.$

- $110 = -2^6 - 3^5 + 4^4 + 5^3 + 6^2$
  $= 2 \times (3 - 4 + 56)$
  $= 65 + 43 + 2.$

- $114 = -2^6 + 3^5 - 4^4 - 5^2 + 6^3$
  $= 2 + (3! - 4) \times 56$
  $= (6 + 54 - 3) \times 2.$

- $118 = 2^2 + 3^6 - 4^5 + 5^4 - 6^3$
  $= 2 \times 3 + \sqrt{4} \times 56$
  $= (65 - \sqrt{4} \times 3) \times 2.$

- $120 = 2^4 - 3^6 + 4^5 + 5^2 - 6^3$
  $= 234 - 5! + 6$
  $= 6 + (54 + 3) \times 2.$

- $128 = 2^5 - 3^6 - 4^2 + 5^4 + 6^3$
  $= 2 \times (34 + 5 \times 6)$
  $= (6 - 5) \times 4 \times 32.$

- $140 = -2^6 - 3^5 + 4^4 - 5^2 + 6^3$
  $= 2 \times (3^4 - 5 - 6)$
  $= 65 \times 4 - (3 + 2)!.$

- $150 = 2^4 - 3^6 + 4^5 - 5^3 - 6^2$
  $= (2 + 3) \times 4! + 5 \times 6$
  $= 6 \times \sqrt{5^4} \times (3 - 2).$

- $156 = -2^6 - 3^3 - 4^5 - 5^2 + 6^4$
  $= 2 \times 3 \times (-4 + 5 \times 6)$
  $= 6 \times 5 \times 4 + 3!^2.$

- $160 = 2^5 - 3^6 + 4^2 + 5^4 + 6^3$
  $= 2 \times (3^4 + 5 - 6)$
  $= (6 - 5 + 4) \times 32.$

- $164 = -2^6 + 3^5 - 4^4 + 5^2 + 6^3$
  $= -2^{3!} + \sqrt{4} \times (5! - 6)$
  $= 6 \times (5 + 4) \times 3 + 2.$

- $166 = 2^6 - 3^5 + 4^4 + 5^3 - 6^2$
  $= 2 + 34 \times 5 - 6$
  $= 6 + 54 \times 3 - 2.$

- $172 = -2^5 + 3^6 + 4^3 - 5^4 + 6^2$
  $= (2 + 3)! - 4 + 56$
  $= (65 + 4! - 3) \times 2.$

- $190 = -2^6 - 3^5 + 4^4 + 5^2 + 6^3$
  $= 2^{3!} + 4! \times 5 + 6$
  $= 6 + 5! + \sqrt{4} \times 32.$

- $194 = -2^6 + 3^5 + 4^4 - 5^2 - 6^3$
  $= 2 \times 34 + 5! + 6$
  $= -6 + 5 \times (4 + 3!^2).$

- $200 = -2^5 + 3^6 - 4^4 - 5^2 - 6^3$
  $= 2 + 3 \times 4! + 5! + 6$
  $= (6! - 5!)/(4 - 3 + 2).$

- $202 = 2^6 - 3^2 - 4^5 - 5^3 + 6^4$
  $= 2 \times (3^4 + 5!/6)$
  $= -6 + 5! \times \sqrt{4} - 32.$

- $206 = -2^6 - 3^3 - 4^5 + 5^2 + 6^4$
  $= 23 \times 4 + 5! - 6$
  $= (\sqrt{6! \times 5} + 43) \times 2.$

- $210 = -2^6 + 3^3 - 4^5 - 5^2 + 6^4$
  $= ((2 + 3)!/4 + 5) \times 6$
  $= 6 \times 5 \times \sqrt{(4 + 3)^2}.$

- $212 = 2^6 + 3^5 - 4^4 + 5^3 + 6^2$
  $= 2 \times (-3! + \sqrt{4} \times 56)$
  $= 6 \times 5!/4 + 32.$

- $214 = 2^6 - 3^5 - 4^2 + 5^4 - 6^3$
  $= 234 - 5!/6$
  $= 6!/5 + 4! \times 3 - 2.$

- $218 = -2^6 - 3^5 - 4^3 + 5^4 - 6^2$
  $= 2 \times 3^4 + 56$
  $= 654/3! \times 2.$

- $220 = 2^6 + 3^2 - 4^5 - 5^3 + 6^4$
  $= 2 - 3! + 4 \times 56$
  $= 654/3 + 2.$

- $222 = 2^4 - 3^6 + 4^5 - 5^3 + 6^2$
  $= (-2^3 + 45) \times 6$
  $= 6 \times (5 + 4^3/2).$

- $236 = 2^5 + 3^6 + 4^3 - 5^4 + 6^2$
  $= 2 + (34 + 5) \times 6$
  $= (-6 + 5!) \times \sqrt{4} + 3! + 2.$

- $238 = 2^6 - 3^5 + 4^4 + 5^3 + 6^2$
  $= 2 + 3!!/4 + 56$
  $= 6 \times 5 \times 4!/3 - 2.$

- $242 = 2^6 + 3^5 - 4^4 - 5^2 + 6^3$
  $= 2 + 3 \times 4 \times 5!/6$
  $= 6 + 5! - 4 + (3 + 2)!.$

- $244 = -2^6 + 3^5 + 4^4 + 5^2 - 6^3$
  $= 2 \times ((3 + \sqrt{4})! + 5) - 6$
  $= (65 - 4) \times (3! - 2).$

- $246 = 2^6 - 3^5 + 4^2 + 5^4 - 6^3$
  $= (2 + 34 + 5) \times 6$
  $= 6 \times (5 + 4 + 32).$

- $250 = -2^5 + 3^6 - 4^4 + 5^2 - 6^3$
  $= 2 \times (3 - 4 + 5! + 6)$
  $= (6 + 5!) \times (-4 + 3!) - 2.$

- $256 = 2^6 + 3^2 + 4^5 - 5^4 - 6^3$
  $= 2^{(3+45)/6}$
  $= ((6 - 54)/3)^2.$

- $260 = -2^6 + 3^3 - 4^5 + 5^2 + 6^4$
  $= 2 + 3! + \sqrt{4} \times (5! + 6)$
  $= 65 \times 4 \times (3 - 2).$

- $264 = 2^5 + 3^6 - 4^4 - 5^2 - 6^3$
  $= 234 + 5 \times 6$
  $= (6 + 5) \times 4 \times 3 \times 2.$

- $268 = 2^6 - 3^5 + 4^4 - 5^2 + 6^3$
  $= -2 + 3! + 4! \times (5 + 6)$
  $= 65 \times 4 + 3! + 2.$

- $272 = -2^5 + 3^6 - 4^2 - 5^4 + 6^3$
  $= -2^{3!} \times (\sqrt{4} + 5) + 6!$
  $= \sqrt{6! \times 5} \times 4 + 32.$

- $274 = -2^6 + 3^5 + 4^4 - 5^3 - 6^2$
  $= 2 \times (3^4 + 56)$
  $= (65 + 4! \times 3) \times 2.$

- $280 = -2^5 + 3^6 - 4^4 - 5^3 - 6^2$
  $= (-2 + 3 + 4) \times 56$
  $= (6 + 5 + 4!) \times (3! + 2).$

- $284 = 2^6 - 3^3 - 4^5 - 5^2 + 6^4$
  $= 2 + 3 \times (-4! + 5!) - 6$
  $= (6 + 5!) \times \sqrt{4} + 32.$

- $286 = -2^3 + 3^6 - 4^5 + 5^4 - 6^2$
  $= -2 + (3 + 45) \times 6$
  $= 6 \times (5 + 43) - 2.$

- $290 = -2^6 - 3^5 - 4^3 + 5^4 + 6^2$
  $= 234 + 56$
  $= 6 \times (5 + 43) + 2.$

- $292 = 2^6 + 3^5 - 4^4 + 5^2 + 6^3$
  $= -2 + 3!!/4 + 5! - 6$
  $= 65 \times 4 + 32.$

- $294 = -2^2 - 3^3 - 4^6 + 5^5 + 6^4$
  $= 234 + \sqrt{5 \times 6!}$
  $= 6 \times (54 - 3 - 2).$

- $302 = 2^2 - 3^3 - 4^6 + 5^5 + 6^4$
  $= 2 \times (34 + 5!) - 6$
  $= (6!/5 + 4 + 3) \times 2.$

- $304 = -2^5 + 3^6 + 4^2 - 5^4 + 6^3$
  $= -2 + (3! + 45) \times 6$
  $= -6 + 5 \times (4^3 - 2).$

- $308 = -2^3 - 3^2 - 4^6 + 5^5 + 6^4$
  $= 2 + (3! + 45) \times 6$
  $= (-6 + 5^4 - 3)/2.$

- $314 = 2^5 + 3^6 - 4^4 + 5^2 - 6^3$
  $= 2 \times (34 + 5!) + 6$
  $= -6 + 5 \times \sqrt{4} \times 32.$

- $318 = 2^6 - 3^5 + 4^4 + 5^2 + 6^3$
  $= (2^3 + 45) \times 6$
  $= (6 - 5! + 432).$

- $322 = 2^6 + 3^5 + 4^4 - 5^2 - 6^3$
  $= 23 \times (4 \times 5 - 6)$
  $= 6^5/(4 \times 3!) - 2.$

- $324 = 2^3 - 3^2 - 4^6 + 5^5 + 6^4$
  $= 2 \times 3 \times (-\sqrt{4} + 56)$
  $= (654 - 3!)/2.$

- $326 = -2^3 + 3^2 - 4^6 + 5^5 + 6^4$
  $= 2 + 3! \times (-\sqrt{4} + 56)$
  $= 6 + 5 \times \sqrt{4} \times 32.$

- $328 = -2^2 + 3^6 + 4^5 - 5^3 - 6^4$
  $= 2 \times (34 \times 5 - 6)$
  $= 6 \times 54 + 3! - 2.$

- $334 = 2^6 - 3^3 - 4^5 + 5^2 + 6^4$
  $= 2 \times 34 \times 5 - 6$
  $= (-6 + 5! - \sqrt{4}) \times 3 - 2.$

- $336 = 2^5 + 3^6 - 4^2 - 5^4 + 6^3$
  $= \sqrt{2 + 34} \times 56$
  $= (6 + 54 \times 3) \times 2.$

- $338 == 2^6 + 3^3 - 4^5 - 5^2 + 6^4$
  $= 2 + 3 \times \sqrt{4} \times 56$
  $= (6 + 5! + 43) \times 2.$

- $342 = 2^3 + 3^2 - 4^6 + 5^5 + 6^4$
  $= (2 \times 3! + 45) \times 6$
  $= (-6 + 5!) \times (4 - 3 + 2).$

- $344 = -2^6 - 3^3 + 4^5 - 5^4 + 6^2$
  $= 2 + 3 \times (4! - 5) \times 6$
  $= 6 \times (54 + 3) + 2.$

- $346 = -2^6 + 3^5 + 4^4 - 5^3 + 6^2$
  $= 2 \times 34 \times 5 + 6$
  $= 6! - (5! + 4) \times 3 - 2.$

- $348 = -2^2 + 3^3 - 4^6 + 5^5 + 6^4$
  $= 2 \times (34 - 5) \times 6$
  $= (-6 + 5! + \sqrt{4}) \times 3!/2.$

- $352 = -2^5 + 3^6 - 4^4 - 5^3 + 6^2$
  $= 2 \times (34 \times 5 + 6)$
  $= (6 + 5) \times 4^3/2.$

- $356 = 2^2 + 3^3 - 4^6 + 5^5 + 6^4$
  $= 2 + 3 \times 4! \times 5 - 6$
  $= 6 \times 54 + 32.$

- $358 = -2^3 + 3^6 - 4^5 + 5^4 + 6^2$
  $= -2 + 3 \times 4 \times 5 \times 6$
  $= (6 + 54) \times 3! - 2.$

- $368 = 2^5 + 3^6 + 4^2 - 5^4 + 6^3$
  $= 23 \times (\sqrt{4} \times 5 + 6)$
  $= 6 + 5 \times 4! \times 3 + 2.$

- $372 = 2^6 + 3^5 + 4^4 + 5^2 - 6^3$
  $= -2 + 34 \times (5 + 6)$
  $= 6 \times (5 \times 4 \times 3 + 2).$

- $374 = 2^3 + 3^6 - 4^5 + 5^4 + 6^2$
  $= 2 + 3 \times (4 - 5!) + 6!$
  $= (6!/5 + 43) \times 2.$

- $388 = 2^6 + 3^3 - 4^5 + 5^2 + 6^4$
  $= -2 + 3 \times (4 + 5! + 6)$
  $= 65 \times (\sqrt{4} \times 3) - 2.$

- $394 = -2^5 - 3^6 - 4^2 - 5^3 + 6^4$
  $= 2 + (3 + 4) \times 56$
  $= 6! - 54 \times 3! - 2.$

- $398 = -2^6 + 3^3 + 4^5 - 5^4 + 6^2$
  $= 2^{3^{\sqrt{4}}} - 5! + 6$
  $= 6! - 54 \times 3! + 2.$

- $400 = 2^4 - 3^6 + 4^5 + 5^3 - 6^2$
  $= (2 + 3) \times (4! + 56)$
  $= ((6 + 54)/3)^2.$

- $402 = 2^6 + 3^5 + 4^4 - 5^3 - 6^2$
  $= (2^{3!} - \sqrt{4} + 5) \times 6$
  $= -6 \times 5 + 432.$

- $416 = 2^5 + 3^6 - 4^4 - 5^3 + 6^2$
  $= 2^3 \times (-4 + 56)$
  $= -6^5 + 4^{3!} \times 2.$

- $418 = 2^6 - 3^5 - 4^3 + 5^4 + 6^2$
  $= -2 + 3!!/\sqrt{4} + \sqrt{5 \times 6!}$
  $= (-6 + 5 \times 43) \times 2.$

- $424 = -2^3 + 3^6 + 4^5 - 5^2 - 6^4$
  $= (2 + 3)! + 4^5 - 6!$
  $= (-6 + 5!) \times 4 - 32.$

- $426 = -2^5 - 3^6 + 4^2 - 5^3 + 6^4$
  $= 23 \times 4! - 5! - 6$
  $= (6^{5-\sqrt{4}} - 3) \times 2.$

- $440 = -2^4 - 3^6 + 4^5 + 5^3 + 6^2$
  $= (2^{3!} - 4!) \times (5 + 6)$
  $= (6! - 5!/\sqrt{4})/3 \times 2.$

- $446 = -2^5 - 3^6 - 4^3 - 5^2 + 6^4$
  $= -2 + (3! + \sqrt{4}) \times 56$
  $= (6!/5 + 4) \times 3 + 2.$

- $452 = 2^6 - 3^2 - 4^5 + 5^3 + 6^4$
  $= 2 - 3! + 456$
  $= (6! + 5! + 4^3)/2.$

- $454 = 2^6 + 3^3 + 4^5 - 5^4 - 6^2$
  $= 23 \times 4 \times 5 - 6$
  $= 6 + 5! \times 4 - 32.$

- $458 = 2^5 - 3^6 - 4^2 - 5^3 + 6^4$
  $= 2 + (3^4 - 5) \times 6$
  $= -(6 + 5) \times 4! + 3!! + 2.$

- $470 = 2^6 + 3^2 - 4^5 + 5^3 + 6^4$
  $= 2 + 3!! - \sqrt{4} \times (5! + 6)$
  $= -6 + 5! \times 4 - 3! + 2.$

- $472 = 2^4 - 3^6 + 4^5 + 5^3 + 6^2$
  $= (-2 + 3!) \times (4 + 5! - 6)$
  $= 6! - 5! - 4^3 \times 2.$

- $474 = 2^6 + 3^5 + 4^4 - 5^3 + 6^2$
  $= (-2 + 3) \times (4 \times 5! - 6)$
  $= -6 + 5 \times 4! \times (3! - 2).$

- $490 = 2^5 - 3^6 + 4^2 - 5^3 + 6^4$
  $= -23 \times \sqrt{4} \times 5 + 6!$
  $= 6 + (5! \times 4 + 3!) - 2.$

- $496 = -2^5 - 3^6 - 4^3 + 5^2 + 6^4$
  $= 23 \times 4! - 56$
  $= 6 \times (5! + 4)/3 \times 2.$

- $502 = 2^4 - 3^6 + 4^5 - 5^2 + 6^3$
  $= -2 + \sqrt{3^4} \times 56$
  $= (6 + 5!) \times 4!/3! - 2.$

- $510 = 2^5 - 3^6 - 4^3 - 5^2 + 6^4$
  $= (2 + 3)! \times 4 + 5 \times 6$
  $= (6 + 5!) \times 4 + 3 \times 2.$

- $518 = -2^6 - 3^5 - 4^2 + 5^4 + 6^3$
  $= 2 + (3^4 + 5) \times 6$
  $= 6 + 5! \times 4 + 32.$

- $520 = -2^4 - 3^6 + 4^5 + 5^2 + 6^3$
  $= 2^{3!} + 456$
  $= 65 \times (-4! + 32).$

- $524 = -2^6 + 3^5 + 4^4 + 5^3 - 6^2$
  $= 2 + 3 \times (4! + 5) \times 6$
  $= -6! + (5^4 - 3) \times 2.$

- $526 = 2^6 + 3^3 + 4^5 - 5^4 + 6^2$
  $= -2 + 3!! - \sqrt{4^5} \times 6$
  $= (65 \times 4 + 3) \times 2.$

- $530 = -2^5 + 3^6 - 4^4 + 5^3 - 6^2$
  $= 23^{\sqrt{4}} - 5 + 6$
  $= 6! - 5! - 4! \times 3 + 2.$

- $542 = -2^2 + 3^6 - 4^5 + 5^4 + 6^3$
  $= 2^{\sqrt{3^4}} + 5 \times 6$
  $= 6 \times 5!/4 \times 3 + 2.$

- $546 = 2^6 - 3^5 + 4^3 + 5^4 + 6^2$
  $= 2 \times (3 + 45 \times 6)$
  $= 6 \times (5 + 43 \times 2).$

- $550 = 2^2 + 3^6 - 4^5 + 5^4 + 6^3$
  $= 2^{3!} + 4 \times 5! + 6$
  $= (-6 + 5! - 4) \times (3 + 2).$

- $552 = 2^4 - 3^6 + 4^5 + 5^2 + 6^3$
  $= (2 - 34 \times 5 + 6!)$
  $= (65 + 4) \times (3! + 2).$

- $560 = 2^5 - 3^6 - 4^3 + 5^2 + 6^4$
  $= (2 \times 3 + 4) \times 56$
  $= 6! - 54 \times 3 + 2.$

- $572 = -2^6 + 3^5 - 4^2 + 5^4 - 6^3$
  $= 2 + (3 + \sqrt{4}) \times (5! - 6)$
  $= (-6 + 5!) \times (\sqrt{4} + 3) + 2.$

- $574 = -2^5 - 3^6 + 4^3 - 5^2 + 6^4$
  $= -2 + 3 \times \sqrt{4^5} \times 6$
  $= 6! - 5! - \sqrt{4} - (3! - 2)!.$

- $578 = -2^2 + 3^6 + 4^5 + 5^3 - 6^4$
  $= 2 + 3 \times \sqrt{4^5} \times 6$
  $= 6! - 5! - 4 \times 3! + 2.$

- $586 = 2^2 + 3^6 + 4^5 + 5^3 - 6^4$
  $= -2 - 3 \times 4 - 5! + 6!$
  $= 6! - 5! - 4 \times 3 - 2.$

- $594 = 2^5 + 3^6 - 4^4 + 5^3 - 6^2$
  $= 2 \times (3 + 4!) \times (5 + 6)$
  $= 6! - 5 \times 4! - 3 \times 2.$

- $596 = -2^6 + 3^5 + 4^4 + 5^3 + 6^2$
  $= 2 \times (-3!! + 4^5 - 6)$
  $= 6! - 5! + 4 - 3! - 2.$

- $602 = -2^5 + 3^6 - 4^4 + 5^3 + 6^2$
  $= 2 \times (-3 + 4) - 5! + 6!$
  $= 6! + (5 - 4^3) \times 2.$

- $604 = -2^6 + 3^5 + 4^2 + 5^4 - 6^3$
  $= 2^3 - 4 - 5! + 6!$
  $= (6! - 5! + 4) \times (3 - 2).$

- $624 = -2^5 - 3^6 + 4^3 + 5^2 + 6^4$
  $= (2 + 3)^4 + 5 - 6$
  $= 6! - (5 + 43) \times 2.$

- $626 = -2^6 + 3^5 + 4^4 - 5^2 + 6^3$
  $= (2 + 3)^4 - 5 + 6$
  $= 6 + 5^4 - 3 - 2.$

- $632 = -2^5 + 3^6 - 4^4 - 5^2 + 6^3$
  $= 2 + 3!! + 4! - 5! + 6$
  $= 6 \times 5 \times (4! - 3) + 2.$

- $638 = 2^5 - 3^6 + 4^3 - 5^2 + 6^4$
  $= 2^{3^{\sqrt{4}}} + 5! + 6$
  $= 6 + 5! + \sqrt{4^{3^2}}.$

- $644 = -2^5 - 3^6 - 4^2 + 5^3 + 6^4$
  $= -2^{3!} - (\sqrt{4} - 5!) \times 6$
  $= 6! + (5 - 43) \times 2.$

- $646 = 2^6 - 3^5 - 4^2 + 5^4 + 6^3$
  $= 2^{3+4} \times 5 + 6$
  $= 654 - 3! - 2.$

- $652 = 2^6 + 3^5 + 4^4 + 5^3 - 6^2$
  $= -23 - 45 + 6!$
  $= (6 + 5 \times 4^3) \times 2.$

- $666 = 2^5 + 3^6 - 4^4 + 5^3 + 6^2$
  $= 2 + (3 \times \sqrt{4})! - 56$
  $= 654 + 3! \times 2.$

- $670 = 2^6 - 3^2 + 4^5 - 5^4 + 6^3$
  $= -2 + 3 \times 4 \times 56$
  $= 6! - 5 - 43 - 2.$

- $676 = -2^6 + 3^5 + 4^4 + 5^2 + 6^3$
  $= -2 + 3 - 45 + 6!$
  $= 6 \times (5! - 4 - 3) - 2.$

- $678 = 2^6 - 3^5 + 4^2 + 5^4 + 6^3$
  $= 2 \times (345 - 6)$
  $= 654 + (3! - 2)!.$

- $682 = -2^5 + 3^6 - 4^4 + 5^2 + 6^3$
  $= 2 + 34 \times 5!/6$
  $= (6 + 5) \times (4^3 - 2).$

- $688 = 2^5 - 3^6 + 4^3 + 5^2 + 6^4$
  $= -23 - 4 - 5 + 6!$
  $= 6 \times 5 \times 4! - 32.$

- $696 = 2^5 + 3^6 - 4^4 - 5^2 + 6^3$
  $= 2 \times 345 + 6$
  $= 6 \times (5! - 4) \times (3 - 2).$

- $700 = -2^2 - 3^6 + 4^5 + 5^4 - 6^3$
  $= -(2 + 3) \times 4 + 5! \times 6$
  $= 6! - 54/3 - 2.$

- $704 = -2^6 + 3^5 - 4^3 + 5^4 - 6^2$
  $= -23 + \sqrt{4} + 5 + 6!$
  $= 6 - 5 \times 4 + 3!! - 2.$

- $708 = 2^5 - 3^6 - 4^2 + 5^3 + 6^4$
  $= -2^3 - 4 + 5! \times 6$
  $= 6 \times (-5 + 4^3) \times 2.$

- $712 = -2^5 + 3^6 + 4^4 - 5^2 - 6^3$
  $= -2 - 3 + \sqrt{4} - 5 + 6!$
  $= 6 \times (5! + 4) - 32.$

- $718 = -2^6 - 3^4 + 4^5 - 5^3 - 6^2$
  $= -2 + (3 \times \sqrt{4})! \times (-5 + 6)$
  $= 6 \times 5 \times 4 \times 3! - 2.$

- $724 = 2^6 + 3^5 + 4^4 + 5^3 + 6^2$
  $= 23 - 4! + 5 + 6!$
  $= 6! - 5 + 4 + 3 + 2.$

- $730 = -2^4 - 3^2 + 4^6 - 5^5 - 6^3$
  $= 2^3/4 \times 5 + 6!$
  $= 6! + 5 + 4 + 3 - 2.$

- $732 = 2^6 + 3^5 + 4^2 + 5^4 - 6^3$
  $= 2^3 + 4 + 5! \times 6$
  $= 6! - 5 \times 4 + 32.$

- $740 = 2^5 - 3^6 + 4^2 + 5^3 + 6^4$
  $= 23 - \sqrt{4 + 5} + 6!$
  $= 6! + 54/3 + 2.$

- $746 = 2^5 + 3^6 - 4^4 + 5^2 + 6^3$
  $= (2 \times 3)! - 4 + 5 \times 6$
  $= 6 \times 5 - 4 + (3 \times 2)!.$

- $748 = -2^4 + 3^2 + 4^6 - 5^5 - 6^3$
  $= 2 \times 34 \times (5 + 6)$
  $= 6 + 5 \times 4 + 3!! + 2.$

- $754 = 2^6 + 3^5 + 4^4 - 5^2 + 6^3$
  $= (2 \times 3)! + 4 + 5 \times 6$
  $= 6! + 5 + 4! + 3 + 2.$

- $762 = -2^5 + 3^6 + 4^4 + 5^2 - 6^3$
  $= 23 + 4! - 5 + 6!$
  $= 6 \times (5 + \sqrt{4}) + (3 \times 2)!.$

- $766 = 2^6 - 3^4 + 4^5 - 5^2 - 6^3$
  $= -2 + 3 + 45 + 6!$
  $= 6! + 5 + 43 - 2.$

- $776 = -2^6 + 3^5 - 4^3 + 5^4 + 6^2$
  $= 2 + 3!! + (4 + 5) \times 6$
  $= 6 \times (5! + 4) + 32.$

- $780 = 2^4 + 3^2 + 4^6 - 5^5 - 6^3$
  $= (2 \times 3)! + 4 + 56$
  $= 6! + 54 + 3 \times 2.$

- $790 = -2^6 - 3^4 + 4^5 - 5^3 + 6^2$
  $= -2 + (3 \times 4 + 5!) \times 6$
  $= 6 \times (5! + 4 \times 3) - 2.$

- $792 = -2^5 + 3^6 + 4^4 - 5^3 - 6^2$
  $= 2 \times 3!!/(4 \times 5) + 6!$
  $= (6! - 54 \times 3!) \times 2.$

- $800 = -2^6 + 3^4 + 4^5 - 5^2 - 6^3$
  $= (2 \times 3)! + 4! + 56$
  $= (6 - 5 + 4!) \times 32.$

- $804 = 2^6 + 3^5 + 4^4 + 5^2 + 6^3$
  $= -2 - 34 + 5! + 6!$
  $= 6! + 5! - 4 - 32.$

- $816 = 2^6 - 3^4 + 4^5 + 5^2 - 6^3$
  $= 2^{3!} \times 4! - 5! \times 6$
  $= 6! + (5 + 43) \times 2.$

- $826 = 2^5 + 3^6 + 4^4 + 5^2 - 6^3$
  $= -2 \times 3! - \sqrt{4} + 5! + 6!$
  $= 6! + 5! - (4 + 3) \times 2.$

- $832 = -2^6 + 3^5 + 4^3 + 5^4 - 6^2$
  $= (2 \times 3)! + \sqrt{4} \times 56$
  $= (6 + 5 \times 4) \times 32.$

- $840 = 2^2 + 3^4 + 4^6 - 5^5 - 6^3$
  $= (2^3 + 4 - 5)!/6$
  $= 6 \times 5 \times (-4 + 32).$

- $846 = 2^6 - 3^4 + 4^5 - 5^3 - 6^2$
  $= -2 + 3!! + \sqrt{4} + 5! + 6$
  $= 6 \times (5! + 4! - 3!/2).$

- $848 = -2^6 - 3^5 - 4^2 - 5^3 + 6^4$
  $= 2^{3\times 4-5} + 6!$
  $= 6! + 5! - 4! + 32.$

- $850 = -2^6 + 3^4 + 4^5 + 5^2 - 6^3$
  $= 2 \times 3 + 4 + 5! + 6!$
  $= 6! + 5! + 4 \times 3 - 2.$

- $856 = 2^5 + 3^6 + 4^4 - 5^3 - 6^2$
  $= 2^{3!} \times 4 - 5! + 6!$
  $= 6! + 5! + 4 \times (3! - 2).$

- $862 = 2^3 - 3^4 + 4^6 - 5^5 - 6^2$
  $= -2 + 3! \times 4 + 5! + 6!$
  $= 6! + 5! - \sqrt{4} + (3! - 2)!.$

- $864 = -2^5 + 3^6 + 4^4 - 5^3 + 6^2$
  $= 2 \times 3!!/(\sqrt{4} \times 5) \times 6$
  $= 6 \times (5! + 4!) \times (3 - 2).$

- $872 = -2^2 + 3^6 - 4^5 - 5^3 + 6^4$
  $= 2 \times (3^4 - 5) + 6!$
  $= 6! + 5 \times 4! + 32.$

- $876 = -2^3 - 3^6 + 4^5 + 5^4 - 6^2$
  $= 2 + 34 + 5! + 6!$
  $= 6! + 5! + 4 + 32.$

- $880 = 2^2 + 3^6 - 4^5 - 5^3 + 6^4$
  $= (-2 + 34) \times 5 + 6!$
  $= (6 + 5!) \times (4 + 3) - 2.$

- $892 = 2^3 - 3^6 + 4^5 + 5^4 - 6^2$
  $= 2 + 34 \times 5 + 6!$
  $= 6! \times 5/4 - 3! - 2.$

- $900 = -2^6 - 3^5 - 4^3 - 5^2 + 6^4$
  $= 2 \times (-3! + 456)$
  $= (6 \times 5 \times (4 - 3))^2.$

- $904 = 2^6 + 3^5 - 4^3 + 5^4 + 6^2$
  $= 2^{3!} + 4! \times 5 + 6!$
  $= 6! + 5! + \sqrt{4} \times 32.$

- $908 = -2^2 + 3^6 + 4^5 - 5^4 - 6^3$
  $= 2 \times 34 + 5! + 6!$
  $= 6! \times 5/4 + 3! + 2.$

- $916 = 2^2 + 3^6 + 4^5 - 5^4 - 6^3$
  $= (2 + 3!!/4) \times 5 + 6$
  $= 6! + (5 \times 4 - 3!)^2.$

- $918 = 2^6 - 3^4 + 4^5 - 5^3 + 6^2$
  $= 2 \times (3 + 456)$
  $= ((-6 + 5!) \times 4 + 3) \times 2.$

- $924 = 2^4 - 3^3 + 4^6 - 5^5 - 6^2$
  $= 2 \times (3! + 456)$
  $= 6 \times (5! - 43) \times 2.$

- $928 = 2^5 + 3^6 + 4^4 - 5^3 + 6^2$
  $= 2^{3!} + 4! + 5! + 6!$
  $= (-6 + 5! + \sqrt{4}) \times (3! + 2).$

- $934 = 2^3 - 3^4 + 4^6 - 5^5 + 6^2$
  $= 2^3 \times (-4 + 5!) + 6$
  $= 6 + (5! - 4) \times (3! + 2).$

- $946 = -2^4 + 3^3 + 4^6 - 5^5 - 6^2$
  $= 2 + 3!! + 4 \times 56$
  $= (6 + 5) \times 43 \times 2.$

- $948 = -2^3 - 3^6 + 4^5 + 5^4 + 6^2$
  $= 2 \times (-3! - \sqrt{4} \times 5! + 6!)$
  $= -6 + (5! \times 4 - 3) \times 2.$

- $950 = -2^6 - 3^5 - 4^3 + 5^2 + 6^4$
  $= 23 \times \sqrt{4} \times 5 + 6!$
  $= 6 + (5! - \sqrt{4}) \times (3! + 2).$

- $952 = -2^6 + 3^4 + 4^5 - 5^3 + 6^2$
  $= -2 + (3! + \sqrt{4}) \times 5! - 6$
  $= -6 + 5! \times \sqrt{4} + 3!! - 2.$

- $960 = 2^6 + 3^5 + 4^3 + 5^4 - 6^2$
  $= 2^3 \times 4 \times 5 \times 6$
  $= 6 \times 5 \times 4^3/2.$

- $964 = 2^3 - 3^6 + 4^5 + 5^4 + 6^2$
  $= -2 + (3! + \sqrt{4}) \times 5! + 6$
  $= 6! + 5! + 4 + (3 + 2)!.$

- $968 = -2^3 + 3^6 - 4^5 - 5^2 + 6^4$
  $= 2^{3!+4} - 56$
  $= 6 + 5! \times \sqrt{4^3} + 2.$

- $976 = 2^6 - 3^5 - 4^2 - 5^3 + 6^4$
  $= 2^3 \times (-4 + 5! + 6)$
  $= 6 \times (5! + 43) - 2.$

- $978 = 2^6 + 3^4 + 4^5 + 5^2 - 6^3$
  $= 2 \times (3 + 4 \times 5! + 6)$
  $= (6 + 5! \times 4 + 3) \times 2.$

- $984 = 2^3 + 3^6 - 4^5 - 5^2 + 6^4$
  $= (2 \times 3)! + 4! \times (5 + 6)$
  $= 6 \times (54 \times 3 + 2).$

- $996 = 2^4 - 3^3 + 4^6 - 5^5 + 6^2$
  $= (23 \times \sqrt{4} + 5!) \times 6$
  $= -6 + (5 \times \sqrt{4})^3 + 2.$

- $1004 = -2^6 + 3^5 - 4^2 + 5^4 + 6^3$
  $= 2^{3!+4} - 5!/6$
  $= 6 + (5 \times \sqrt{4})^3 - 2.$

- $1008 = 2^6 - 3^5 + 4^2 - 5^3 + 6^4$
  $= (-2 + 34 \times 5) \times 6$
  $= -6! + 54 \times 32.$

- $1018 = -2^3 + 3^6 - 4^5 + 5^2 + 6^4$
  $= -2 + 34 \times 5 \times 6$
  $= (6! - 5!)/\sqrt{4} + 3!! - 2.$

- $1024 = 2^3 + 3^4 + 4^6 - 5^5 - 6^2$
  $= (-6 - 5 + 43)^2$
  $= 2 \times 3 + 4^5 - 6.$

- $1028 = -2^6 - 3^5 + 4^3 - 5^2 + 6^4$
  $= -\sqrt{-2 + 3!} + 4^5 + 6$
  $= (2 + 34 \times 5) \times 6.$

- $1032 = 2^6 + 3^5 + 4^3 + 5^4 + 6^2$
  $= 6! - 5! + 432.$

- $1034 = 2^3 + 3^6 - 4^5 + 5^2 + 6^4$
  $= -2 + 3! + 4^5 + 6$
  $= 6! + (5^4 + 3)/2.$

- $1036 = -2^6 + 3^5 + 4^2 + 5^4 + 6^3$
  $= 2 \times 3 + 4^5 + 6$
  $= \sqrt{6!/5} + 4^{3+2}.$

- $1040 = -2^6 - 3^4 + 4^5 + 5^3 + 6^2$
  $= 2^3 \times (4 + 5! + 6)$
  $= 65 \times 4 \times (3! - 2).$

- $1042 = -2^5 + 3^6 + 4^4 + 5^3 - 6^2$
  $= 2 \times 3! + 4^5 + 6$
  $= 6! + 54 \times 3! - 2.$

- $1050 = 2^4 + 3^3 + 4^6 - 5^5 + 6^2$
  $= ((2 \times 3)!/4 - 5) \times 6$
  $= (6! + 5!)/4 \times (3 + 2).$

- $1070 = -2^6 - 3^4 + 4^5 - 5^2 + 6^3$
  $= 2 + 3 \times (-4 + 5!) + 6!$
  $= 6! + 5 \times (4! \times 3 - 2).$

- $1076 = -2^3 - 3^6 - 4^2 + 5^5 - 6^4$
  $= 2 + 3^{\sqrt{4}} \times 5! - 6$
  $= 6 \times 5! - 4 + 3!!/2.$

- $1078 = 2^6 - 3^5 - 4^3 + 5^2 + 6^4$
  $= -2 + 3 \times 4! \times 5 + 6!$
  $= 6! \times 5/\sqrt{4} - 3!! - 2.$

- $1080 = 2^6 + 3^4 + 4^5 - 5^3 + 6^2$
  $= (2 + 34) \times 5 \times 6$
  $= -6 + 543 \times 2.$

- $1084 = -2^3 + 3^6 + 4^5 - 5^4 - 6^2$
  $= -2 + 3^{\sqrt{4}} \times 5! + 6$
  $= 6! + 5 + (-\sqrt{4} + 3!!)/2.$

- $1090 = -2^5 + 3^6 - 4^2 + 5^4 - 6^3$
  $= 2 \times (-3!!/4 + 5 + 6!)$
  $= -6! + 5 \times (4 + 3!!)/2.$

- $1092 = 2^3 - 3^6 - 4^2 + 5^5 - 6^4$
  $= (2^{3!} - \sqrt{4} + 5!) \times 6$
  $= 6 + 543 \times 2.$

- $1096 = 2^3 + 3^4 + 4^6 - 5^5 + 6^2$
  $= 2^{3!} \times 4 + 5! + 6!$
  $= 6! + 5! + 4^{3!-2}.$

- $1098 = -2^6 - 3^5 - 4^2 + 5^3 + 6^4$
  $= (-2 + 3!!/4 + 5) \times 6$
  $= (6 + 543) \times 2.$

- $1100 = 2^3 + 3^6 + 4^5 - 5^4 - 6^2$
  $= 2 \times (-34 \times 5 + 6!)$
  $= (6 + 5) \times (4 + 3!)^2.$

- $1102 = -2^2 - 3^4 + 4^6 - 5^5 + 6^3$
  $= 6 \times (5! + 4^3) - 2.$

- $1106 = 2^5 + 3^6 + 4^4 + 5^3 - 6^2$
  $= 6 \times (5! + 4^3) + 2.$

- $1108 = -2^3 - 3^6 + 4^2 + 5^5 - 6^4$
  $= -2 + (3!!/4 + 5) \times 6.$

- $1110 = 2^2 - 3^4 + 4^6 - 5^5 + 6^3$
  $= ((2 \times 3)!/4 + 5) \times 6$
  $= -6 + (5! + 4) \times 3^2.$

- $1114 = -2^5 + 3^6 + 4^4 + 5^3 + 6^2$
  $= (6! - 5! - 43) \times 2.$

- $1120 = -2^6 - 3^4 + 4^5 + 5^2 + 6^3$
  $= (2 + 3) \times 4 \times 56$
  $= (6! + 5!)/4! \times 32.$

- $1122 = -2^5 + 3^6 + 4^2 + 5^4 - 6^3$
  $= 2 \times (3^4 + 5!) + 6!$
  $= (6! + 5!) \times 4/3 + 2.$

- $1124 = 2^3 - 3^6 + 4^2 + 5^5 - 6^4$
  $= -6! - 5 + 43^2.$

- $1132 = -2^2 - 3^6 + 4^5 + 5^4 + 6^3$
  $= -2 + 3^{\sqrt{4}} \times (5! + 6).$

- $1140 = 2^2 - 3^6 + 4^5 + 5^4 + 6^3$
  $= (-2 + 3 \times 4) \times (5! - 6)$
  $= 6! + (5 + \sqrt{4})!/(3! \times 2).$

- $1144 = -2^5 + 3^6 + 4^4 - 5^2 + 6^3$
  $= (-6!/5 - 4 + 3!!) \times 2.$

- $1154 = 2^5 + 3^6 - 4^2 + 5^4 - 6^3$
  $= 2 + 3 \times (4! + 5!) + 6!$
  $= 6! + (5! + 4!) \times 3 + 2.$

- $1156 = -2^3 + 3^6 + 4^5 - 5^4 + 6^2$
  $= (-6 \times 5 + 4^3)^2.$

- $1160 = -2^2 - 3^6 + 4^3 + 5^5 - 6^4$
  $= (2^{3!} + 4!) \times 5 + 6!$
  $= (-6!/5 + 4 + 3!!) \times 2.$

- $1162 = -2^4 - 3^2 + 4^6 - 5^5 + 6^3$
  $= 2 \times (-3! \times 4! + 5 + 6!)$
  $= (6! + 5 - 4! \times 3!) \times 2.$

- $1164 = 2^6 + 3^5 + 4^2 + 5^4 + 6^3$
  $= 234 \times 5 - 6$
  $= 6! + 5! + (4! - 3!)^2.$

- $1168 = 2^6 - 3^4 + 4^5 + 5^3 + 6^2$
  $= 2^{3!} \times (\sqrt{4} + 5) + 6!$
  $= 6! + 5! \times 4 - 32.$

- $1172 = 2^3 + 3^6 + 4^5 - 5^4 + 6^2$
  $= 2 + 3!^4 - 5! - 6$
  $= 65 \times (4! - 3!) + 2.$

- $1178 = 2^5 + 3^6 + 4^4 + 5^3 + 6^2$
  $= 2 + 3!! + 456$
  $= (-6 + 5!) \times 4 + 3!! + 2.$

- $1180 = -2^4 + 3^2 + 4^6 - 5^5 + 6^3$
  $= -2 + 3!^4 - 5! + 6$
  $= -65 \times 4 + 3!! \times 2.$

- $1186 = 2^5 + 3^6 + 4^2 + 5^4 - 6^3$
  $= 2 \times (-3 - 4 - 5! + 6!)$
  $= (6! - 5! - 4 - 3) \times 2.$

- $1194 = -2^5 + 3^6 + 4^4 + 5^2 + 6^3$
  $= (2 \times 3 + 4) \times 5! - 6$
  $= (6! - 5 \times 4! - 3) \times 2.$

- $1198 = 2^6 - 3^4 + 4^5 - 5^2 + 6^3$
  $= -2 + (3! - 4) \times (-5! + 6!)$
  $= (6! - 5! - 4 + 3) \times 2.$

- $1202 = -2^6 + 3^4 + 4^5 + 5^3 + 6^2$
  $= 2 + 3!! \times \sqrt{4} \times 5/6$
  $= (6! - 5! - \sqrt{4} + 3) \times 2.$

- $1206 = 2^6 - 3^5 + 4^3 + 5^2 + 6^4$
  $= 2 \times (3 - 4! \times 5 + 6!)$
  $= 6! + 54 \times 3^2.$

- $1208 = 2^5 + 3^6 + 4^4 - 5^2 + 6^3$
  $= 2 + 3! + 4 \times 5! + 6!$
  $= (6! - 5! - \sqrt{4} + 3!) \times 2.$

- $1212 = 2^4 + 3^2 + 4^6 - 5^5 + 6^3$
  $= 2 \times 3! - \sqrt{4} \times (5! - 6!)$
  $= 6! + (5! \times \sqrt{4} + 3!) \times 2.$

- $1222 = -2^5 + 3^6 - 4^3 + 5^4 - 6^2$
  $= -2 + 3!! + 4 \times (5! + 6)$
  $= (6 + 5!) \times 4 + 3!! - 2.$

- $1226 = 2^6 - 3^5 - 4^2 + 5^3 + 6^4$
  $= 2 + 3!! + 4 \times (5! + 6)$
  $= (6 + 5!) \times 4 + 3!! + 2.$

- $1232 = -2^6 + 3^4 + 4^5 - 5^2 + 6^3$
  $= (-2 + 3! \times 4) \times 56$
  $= (-6 + 5^4 - 3) \times 2.$

- $1248 = 2^6 - 3^4 + 4^5 + 5^2 + 6^3$
  $= (2^{3!} + 4! + 5!) \times 6$
  $= 6 \times 5^4/3 - 2.$

- $1258 = 2^5 + 3^6 + 4^4 + 5^2 + 6^3$
  $= -2 + (3! + 4) \times (5! + 6)$
  $= \sqrt{6! \times 5} \times (4! - 3) - 2.$

- $1264 = -2^2 + 3^4 + 4^6 - 5^5 + 6^3$
  $= 2^{3!} + 4 \times 5! + 6!$
  $= (6!/5!)^4 - 32.$

- $1272 = 2^2 + 3^4 + 4^6 - 5^5 + 6^3$
  $= (23 \times 4 + 5!) \times 6$
  $= 6! + 5! + 432.$

- $1286 = 2^5 + 3^6 - 4^3 + 5^4 - 6^2$
  $= 2 \times (-3 \times 4! - 5 + 6!)$
  $= (6! - 5! + 43) \times 2.$

- $1294 = -2^5 + 3^6 - 4^3 + 5^4 + 6^2$
  $= -2 + 3!^4 \times (-5 + 6)$
  $= 6^{5-4+3} - 2.$

- $1330 = 2^6 + 3^4 + 4^5 + 5^3 + 6^2$
  $= (2 + 3!!) \times \sqrt{4} - 5! + 6$
  $= 6 - 5! + \sqrt{4} \times (3!! + 2).$

- $1334 = -2^6 + 3^5 - 4^2 - 5^3 + 6^4$
  $= 23 \times (\sqrt{4} + 56)$
  $= 6 - 5! + (4 + 3!!) \times 2.$

- $1340 = -2^2 + 3^6 + 4^5 - 5^4 + 6^3$
  $= 2 \times (-(3! + 4) \times 5 + 6!)$
  $= 6! + (5^4 - 3 - 2).$

- $1348 = 2^2 + 3^6 + 4^5 - 5^4 + 6^3$
  $= -2 + 3! + 4! \times 56$
  $= 6! + 5^4 + 3!/2.$

- $1350 = -2^5 + 3^6 + 4^3 + 5^4 - 6^2$
  $= (2 + 3) \times 45 \times 6$
  $= 6 \times 5 \times (43 + 2).$

- $1358 = 2^5 + 3^6 - 4^3 + 5^4 + 6^2$
  $= 2 \times (-\sqrt{3!^4} - 5 + 6!)$
  $= (-65 + 4! + 3!!) \times 2.$

- $1360 = 2^6 + 3^4 + 4^5 - 5^2 + 6^3$
  $= 2 \times 34 \times 5!/6$
  $= 6! + 5 \times 4 \times 32.$

- $1366 = -2^6 + 3^5 + 4^2 - 5^3 + 6^4$
  $= -2 + 3 \times 456$
  $= (-6 + 5!) \times 4 \times 3 - 2.$

• $1378 = -2^6 + 3^2 + 4^5 + 5^4 - 6^3$
$= -2 + 3!! \times \sqrt{4} - \sqrt{5 \times 6!}$
$= 6! - 5!/\sqrt{4} + 3!! - 2.$

• $1386 = -2^6 + 3^5 - 4^3 - 5^2 + 6^4$
$= 2 \times (-3 + (-4 + 5!) \times 6)$
$= -6 + (5! - 4) \times 3! \times 2.$

• $1410 = 2^6 + 3^4 + 4^5 + 5^2 + 6^3$
$= 2 \times 345 + 6!$
$= 6! - 5!/4 + (3 \times 2)!.$

• $1414 = 2^5 + 3^6 + 4^3 + 5^4 - 6^2$
$= 2 \times (3!! - 4! + 5 + 6)$
$= (6 + 5 - 4! + 3!!) \times 2.$

• $1422 = -2^5 + 3^6 + 4^3 + 5^4 + 6^2$
$= (2 \times 3)^4 + 5! + 6$
$= 6 \times (5! \times 4 - 3!)/2.$

• $1436 = -2^6 + 3^5 - 4^3 + 5^2 + 6^4$
$= 2 + 3 \times 4 \times 5! - 6$
$= (6! + 5 - 4 - 3) \times 2.$

• $1462 = -2^2 - 3^6 + 4^5 - 5^3 + 6^4$
$= 2 \times 3!! + \sqrt{4} + 5!/6$
$= 6! + 5 \times 4 + 3!! + 2.$

• $1470 = 2^2 - 3^6 + 4^5 - 5^3 + 6^4$
$= 2 \times (3! + 4 + 5 + 6!)$
$= 6 \times 5 + \sqrt{4} \times (3 \times 2)!.$

• $1486 = 2^5 + 3^6 + 4^3 + 5^4 + 6^2$
$= 2 \times (3 + 4 \times 5 + 6!)$
$= (6! + 5 \times 4 + 3) \times 2.$

• $1488 = 2^6 - 3^2 + 4^5 + 5^4 - 6^3$
$= (2^{3+4} + 5!) \times 6$
$= -6 + 54 + 3!! \times 2.$

• $1494 = 2^6 + 3^5 + 4^2 - 5^3 + 6^4$
$= -2 + 3!! \times \sqrt{4} + 56$
$= (6 \times (5! + 4) + 3) \times 2.$

• $1496 = -2^4 + 3^6 + 4^5 - 5^2 - 6^3$
$= 2 \times (3 \times \sqrt{4})! + 56$
$= 6! + 54 + 3!! + 2.$

• $1506 = 2^6 + 3^2 + 4^5 + 5^4 - 6^3$
$= ((-2 + 3!)^4 - 5) \times 6$
$= 6 + (5! + 4 \times 3!!)/2.$

• $1514 = -2^6 + 3^5 + 4^3 - 5^2 + 6^4$
$= 2 + (3 + 4!) \times 56$
$= (6 + 5!) \times 4 \times 3 + 2.$

• $1522 = -2^5 + 3^6 - 4^2 + 5^4 + 6^3$
$= 2 \times (\sqrt{3!^4} + 5 + 6!)$
$= (65 - 4! + 3!!) \times 2.$

• $1528 = 2^4 + 3^6 + 4^5 - 5^2 - 6^3$
$= 2 \times (3!! + 4 \times (5 + 6))$
$= 65 \times 4! - 32.$

• $1546 = -2^4 + 3^6 + 4^5 + 5^2 - 6^3$
$= 2 \times (3!! - 4) + 5! - 6$
$= -6 + 5! + (-4 + 3!!) \times 2.$

• $1554 = -2^5 + 3^6 + 4^2 + 5^4 + 6^3$
$= -2 + 3!! - 4 + 5! + 6!$
$= 65 \times 4! - 3 \times 2.$

• $1558 = -2^3 - 3^6 + 4^5 - 5^2 + 6^4$
$= (2 + 3!!) \times \sqrt{4} + 5! - 6$
$= (6! - 5 + 4^3) \times 2.$

• $1564 = 2^6 + 3^5 - 4^3 + 5^2 + 6^4$
$= 2 \times 3!! - \sqrt{4} + 5! + 6$
$= 6! + 5! + 4 + (3 \times 2)!.$

• $1574 = 2^3 - 3^6 + 4^5 - 5^2 + 6^4$
$= 2 \times (3 \times 4! - 5 + 6!)$
$= 6 + 5! + (4 + 3!!) \times 2.$

• $1576 = -2^6 + 3^3 + 4^5 + 5^4 - 6^2$
$= 6!/5 + (-4 + 3!!) \times 2.$

• $1578 = 2^4 + 3^6 + 4^5 + 5^2 - 6^3$
$= 2 \times 3!! + 4! + 5! - 6$
$= (6! + 5 + 4^3) \times 2.$

• $1584 = -2^6 + 3^5 - 4^2 + 5^3 + 6^4$
$= 2 \times 3 \times 4! \times (5 + 6)$
$= (6 + 5) \times (4 \times 3)^2.$

• $1586 = 2^5 + 3^6 - 4^2 + 5^4 + 6^3$
$= 2 + 3! \times 4! \times (5 + 6)$
$= 6! + 5! + 4! + 3!! + 2.$

• $1594 = -2^6 - 3^3 + 4^5 + 5^4 + 6^2$
$= 2 \times (3 \times 4! + 5 + 6!)$
$= (6! + 5 + 4! \times 3) \times 2.$

• $1608 = -2^3 - 3^6 + 4^5 + 5^2 + 6^4$
$= (-2 + 3! \times 45) \times 6$
$= 6!/5 + 4! + 3!! \times 2.$

• $1616 = -2^6 + 3^5 + 4^2 + 5^3 + 6^4$
$= -2^{3!} + \sqrt{4} \times (5! + 6!).$

• $1618 = 2^5 + 3^6 + 4^2 + 5^4 + 6^3$
$= -2 + 3^4 \times 5!/6$
$= (6 \times 5)^{\sqrt{4}} + 3!! - 2.$

• $1624 = 2^3 - 3^6 + 4^5 + 5^2 + 6^4$
$= -(2 + 3)! + 4^5 + 6!$
$= 6! - 5! + 4^{3+2}.$

• $1648 = -2^6 + 3^3 + 4^5 + 5^4 + 6^2$
$= 2^3 \times (-4 + 5!) + 6!$
$= (6! + 5!) \times \sqrt{4} - 32.$

• $1650 = 2^6 - 3^3 + 4^5 + 5^4 - 6^2$
$= 2^{3!} \times 4! + 5! - 6$
$= (6! + 5 \times (4! - 3)) \times 2.$

• $1680 = 2^4 + 3^6 + 4^5 - 5^3 + 6^2$
$= (2 + 3)!/4 \times 56$
$= 6 \times 5 \times (4! + 32).$

• $1692 = 2^6 + 3^5 + 4^3 + 5^2 + 6^4$
$= 2 \times 3!! + \sqrt{4} \times (5! + 6)$
$= (6! + 5! + \sqrt{4} \times 3) \times 2.$

• $1704 = 2^6 + 3^3 + 4^5 + 5^4 - 6^2$
$= 2 \times (3! \times \sqrt{4} + 5! + 6!)$
$= (6 + 5) \times 4! + 3!! \times 2.$

• $1710 = -2^6 + 3^2 - 4^3 + 5^5 - 6^4$
$= 2 \times (3 \times 45 + 6!)$
$= (-6 + 5!) \times (4! - 3^2).$

• $1712 = -2^2 - 3^6 + 4^5 + 5^3 + 6^4$
$= 2^3 \times (4 + 5!) + 6!$
$= 6! + (5! + 4) \times (3! + 2).$

• $1720 = 2^2 - 3^6 + 4^5 + 5^3 + 6^4$
$= 2 \times ((3 + 4)! + 5!)/6$
$= 6! + (5 \times \sqrt{4})^{3!/2}.$

• $1722 = 2^6 - 3^3 + 4^5 + 5^4 + 6^2$
$= (2 \times 3!)^{-\sqrt{4}+5} - 6$
$= -6 + 54 \times 32.$

• $1744 = 2^6 + 3^5 + 4^2 + 5^3 + 6^4$
$= (2^3 - 4)^5 + 6!$
$= 6 \times 5! + 4^{3+2}.$

• $1776 = 2^6 + 3^3 + 4^5 + 5^4 + 6^2$
$= (6!/5 + 4! + 3!!) \times 2.$

• $1792 = -2^6 - 3^2 + 4^5 + 5^4 + 6^3$
$= 2^3 \times 4 \times 56$
$= (-6 + 5 \times (-\sqrt{4} + 3!!))/2.$

• $1808 = -2^6 + 3^3 + 4^2 + 5^5 - 6^4$
$= 2^{3!} + 4^5 + 6!$
$= (6! + 5! + 4^3) \times 2.$

• $1810 = -2^6 + 3^2 + 4^5 + 5^4 + 6^3$
$= -2 + 3 \times (4 - 5! + 6!)$
$= (6! - 5! + 4) \times 3 - 2.$

• $1820 = -2^6 - 3^2 + 4^3 + 5^5 - 6^4$
$= 65 \times (-4 + 32).$

• $1826 = -2^4 + 3^6 + 4^5 + 5^3 - 6^2$
$= 2 + (-3!! + 4^5) \times 6$
$= 6 + 5 \times (4 + 3!!/2).$

• $1838 = -2^6 + 3^2 + 4^3 + 5^5 - 6^4$
$= -6 - 5 + 43^2.$

• $1850 = 2^6 - 3^3 - 4^2 + 5^5 - 6^4$
$= 2^{3!} \times (4! + 5) - 6$
$= 6 - 5 + 43^2.$

• $1882 = 2^6 - 3^3 + 4^2 + 5^5 - 6^4$
$= 2 \times (3!^4 + 5) - 6!.$

• $1884 = -2^5 + 3^6 + 4^2 - 5^3 + 6^4$
$= 6 \times (5^4 + 3)/2.$

• $1898 = -2^4 + 3^6 + 4^5 + 5^3 + 6^2$
$= 2 + 3!^4 - 5! + 6!.$

• $1904 = -2^5 + 3^6 - 4^3 - 5^2 + 6^4$
$= (-2 + 3!^{\sqrt{4}}) \times 56$
$= -6!/5 + 4^{3!}/2.$

• $1916 = 2^5 + 3^6 - 4^2 - 5^3 + 6^4$
$= 2 \times (3!! - \sqrt{4} - 5!) + 6!$
$= 6! + (-5! - \sqrt{4} + 3!!) \times 2.$

• $1920 = 2^6 - 3^2 + 4^5 + 5^4 + 6^3$
$= (-2 + 3 \times 4) \times 5! + 6!$
$= (6 + 54) \times 32.$

• $1928 = -2^4 + 3^6 + 4^5 - 5^2 + 6^3$
$= 2 \times (3!! + 4 - 5!) + 6!$
$= 6! + (-5! + 4 + 3!!) \times 2.$

• $1936 = 2^6 + 3^3 + 4^2 + 5^5 - 6^4$
$= 2^{3!} \times (4! - 5) + 6!$
$= (6 - 5 + 43)^2.$

• $1938 = 2^6 + 3^2 + 4^5 + 5^4 + 6^3$
$= 6^5/4 - 3 \times 2.$

• $1948 = 2^5 + 3^6 + 4^2 - 5^3 + 6^4$
$= 23 \times (-4 + 5!) - 6!$
$= 6^5/4 + 3! - 2.$

• $1960 = 2^4 + 3^6 + 4^5 - 5^2 + 6^3$
$= 654 \times 3 - 2.$

• $1968 = 2^5 + 3^6 - 4^3 - 5^2 + 6^4$
$= 2 \times (3!! + 4! \times (5 + 6))$
$= ((6 + 5) \times 4! + 3!!) \times 2.$

• $1978 = -2^4 + 3^6 + 4^5 + 5^2 + 6^3$
$= -2 + 3!!/4 \times (5 + 6)$
$= (6! - 5!/\sqrt{4}) \times 3 - 2.$

• $2010 = 2^4 + 3^6 + 4^5 + 5^2 + 6^3$
$= 2 \times (3 + 4)!/5 - 6$
$= 6 \times (-5^{\sqrt{4}} + 3!!/2).$

• $2018 = 2^5 + 3^6 - 4^3 + 5^2 + 6^4$
$= 2 + 3!^4 + 5! \times 6$
$= -6 \times 5 + 4^{3!}/2.$

• $2032 = -2^5 + 3^6 + 4^3 - 5^2 + 6^4$
$= (-2 + 3!!) \times 4 - 5! - 6!$
$= -6! - 5! + 4 \times (3!! - 2).$

• $2082 = -2^5 + 3^6 + 4^3 + 5^2 + 6^4$
$= (2 + 345) \times 6.$

• $2096 = 2^5 + 3^6 + 4^3 - 5^2 + 6^4$
$= -2^{3!} + 4! \times 5! - 6!.$

• $2102 = -2^5 + 3^6 - 4^2 + 5^3 + 6^4$
$= 2 + 3 \times (-4 \times 5 + 6!)$
$= 6! + (-5 - 4! + 3!!) \times 2.$

• $2112 = 2^3 - 3^6 - 4^4 + 5^5 - 6^2$
$= (2 + 3!) \times 4! \times (5 + 6)$
$= 6! \times 5 - (4! + 3!!) \times 2.$

• $2122 = -2^6 - 3^2 + 4^5 - 5^3 + 6^4$
$= -2 + 3 \times (-\sqrt{4} + 5!) \times 6$
$= 6! + (5 - 4! + 3!!) \times 2.$

• $2134 = -2^5 + 3^6 + 4^2 + 5^3 + 6^4$
$= -2 + 3!^4 + 5! + 6!.$

• $2140 = -2^6 + 3^2 + 4^5 - 5^3 + 6^4$
$= 2 \times 3!! - 4 \times 5 + 6!$
$= (-6 + (\sqrt{5 + 4})!!) \times 3 - 2.$

• $2146 = 2^5 + 3^6 + 4^3 + 5^2 + 6^4$
$= -2 + 3 \times (-4 + 5! \times 6)$
$= 6! + (-5 - \sqrt{4} + 3!!) \times 2.$

• $2148 = -2^4 - 3^6 - 4^2 + 5^5 - 6^3$
$= -2 \times 3! + (-\sqrt{4} + 5) \times 6!$
$= 6 \times (5 \times 4! \times 3 - 2).$

• $2158 = -2^2 + 3^6 + 4^5 + 5^4 - 6^3$
$= -2 + 3 \times 4! \times 5 \times 6$
$= 6! \times (5 + 4)/3 - 2.$

• $2166 = 2^2 + 3^6 + 4^5 + 5^4 - 6^3$
$= (2 + 3!!) \times (4 + 5 - 6)$
$= 6 + 5 \times 432.$

• $2168 = -2^3 - 3^6 - 4^4 + 5^5 + 6^2$
$= 2 + 3 \times (\sqrt{4} + 5! \times 6)$
$= 6! \times 5 + (4 - 3!!) \times 2.$

• $2180 = -2^4 - 3^6 + 4^2 + 5^5 - 6^3$
$= 2 \times 3!! + 4 \times 5 + 6!$
$= (6 + (\sqrt{5 + 4})!!) \times 3 + 2.$

• $2184 = 2^3 - 3^6 - 4^4 + 5^5 + 6^2$
$= 2 \times 3! \times (\sqrt{4} + 5!) + 6!$
$= 6 \times (5 + (-\sqrt{4} + 3!!)/2).$

• $2198 = 2^5 + 3^6 + 4^2 + 5^3 + 6^4$
$= 2 + 3 \times (\sqrt{4} + 5!) \times 6$
$= 6! + (-5 + 4! + 3!!) \times 2.$

• $2244 = 2^2 - 3^3 + 4^6 - 5^5 + 6^4$
$= (2 + 3 \times (4 + 5!)) \times 6$
$= 6 \times ((5! + 4) \times 3 + 2).$

• $2250 = 2^6 - 3^2 + 4^5 - 5^3 + 6^4$
$= 2 \times (3!! + 45) + 6!$
$= (6! + 5!/4) \times 3!/2.$

• $2254 = -2^6 - 3^3 + 4^5 + 5^2 + 6^4$
$= -2 + 3 \times (\sqrt{4^5} + 6!).$

• $2258 = -2^6 + 3^3 + 4^5 - 5^2 + 6^4$
$= 2 + 3 \times (\sqrt{4^5} + 6!).$

• $2266 = 2^3 - 3^2 + 4^6 - 5^5 + 6^4$
$= -2 + (-3! + 4!) \times (5! + 6)$
$= (6 + 5!) \times (4! - 3!) - 2.$

• $2268 = 2^6 + 3^2 + 4^5 - 5^3 + 6^4$
$= 2 \times (3^{\sqrt{4}}) \times (5! + 6)$
$= (6 + 5!) \times (4! - 3 \times 2).$

• $2280 = -2^4 - 3^6 - 4^3 + 5^5 - 6^2$
$= (2 + 3) \times 456$
$= (-6 + 5!) \times 4 \times (3 + 2).$

• $2284 = 2^3 + 3^2 + 4^6 - 5^5 + 6^4$
$= 2 \times 3!! + 4 + 5! + 6!$
$= 6! + 5! + 4 + 3!! \times 2.$

• $2298 = 2^2 + 3^3 + 4^6 - 5^5 + 6^4$
$= (-2 + 3!)! \times (-4! + 5!) - 6$
$= -6 + (5 + 43)^2.$

• $2334 = -2^3 + 3^6 + 4^5 + 5^4 - 6^2$
$= 6 \times (5 + 4! + 3!!/2).$

• $2350 = 2^3 + 3^6 + 4^5 + 5^4 - 6^2$
$= -2 + 3 \times 4^5 - 6!.$

• $2352 = -2^2 - 3^6 - 4^4 + 5^5 + 6^3$
$= 2 \times (-3 + 4!) \times 56$
$= -6! + (5! - 4!) \times 32.$

• $2360 = 2^2 - 3^6 - 4^4 + 5^5 + 6^3$
$= ((2 + 3)! - \sqrt{4}) \times 5!/6.$

• $2384 = 2^4 - 3^6 - 4^3 + 5^5 + 6^2$
$= (2 - 3!) \times (4 + 5! - 6!)$
$= (6! - 5! - 4) \times (3! - 2).$

• $2406 = -2^3 + 3^6 + 4^5 + 5^4 + 6^2$
$= 2 \times (3 + 4 \times 5! + 6!)$
$= ((6! - 5!) \times \sqrt{4} + 3) \times 2.$

• $2408 = -2^4 - 3^6 + 4^3 + 5^5 - 6^2$
$= (-2 + 3!) \times (\sqrt{4} - 5! + 6!)$
$= (6! - 5! + \sqrt{4}) \times (3! - 2).$

• $2428 = -2^2 - 3^5 + 4^6 - 5^3 - 6^4$
$= -2 + 3^4 \times 5 \times 6.$

• $2432 = -2^2 - 3^6 + 4^4 + 5^5 - 6^3$
$= 2 + 3^4 \times 5 \times 6$
$= (6! - 5!) \times 4 + 32.$

- $2436 = 2^6 + 3^3 + 4^5 + 5^2 + 6^4$
  $= (6! - 5!) \times 4 + 3!^2.$

- $2440 = 2^2 - 3^6 + 4^4 + 5^5 - 6^3$
  $= ((2+3)! + \sqrt{4}) \times 5!/6.$

- $2480 = -2^4 - 3^6 + 4^3 + 5^5 + 6^2$
  $= 2 \times (3!^4 - 56).$

- $2490 = -2^2 + 3^6 - 4^3 + 5^5 - 6^4$
  $= (2 + 3^4) \times 5 \times 6$
  $= -6 \times 5 + (4+3)!/2.$

- $2500 = 2^6 - 3^2 + 4^5 + 5^3 + 6^4$
  $= (6! - 5) \times 4 - 3!!/2.$

- $2512 = 2^4 - 3^6 + 4^3 + 5^5 + 6^2$
  $= -2 + (-3 + 4!) \times 5! - 6$
  $= (6! + 5! - \sqrt{4}) \times 3 - 2.$

- $2518 = 2^6 + 3^2 + 4^5 + 5^3 + 6^4$
  $= -2 + 3!!/\sqrt{4} \times 5 + 6!$
  $= -6! + 5! \times (4! + 3) - 2.$

- $2524 = -2^3 - 3^5 + 4^6 - 5^2 - 6^4$
  $= -2 + (-3 + 4!) \times 5! + 6$
  $= (6 + 5^4) \times (3! - 2).$

- $2534 = -2^3 + 3^6 - 4^2 + 5^5 - 6^4$
  $= 2 + 3 \times (4 + 5! + 6!)$
  $= (6! + 5! + 4) \times 3 + 2.$

- $2540 = 2^3 - 3^5 + 4^6 - 5^2 - 6^4$
  $= (6! + 5) \times 4 - 3!!/2.$

- $2550 = 2^3 + 3^6 - 4^2 + 5^5 - 6^4$
  $= 6 \times 5 + (4+3)!/2.$

- $2566 = -2^3 + 3^6 + 4^2 + 5^5 - 6^4$
  $= 2^{\sqrt{3^4}} \times 5 + 6$
  $= 6 + 5 \times \sqrt{4^{3^2}}.$

- $2574 = -2^3 - 3^5 + 4^6 + 5^2 - 6^4$
  $= 234 \times (5+6)$
  $= 6! + 5 + 43^2.$

- $2580 = -2^4 - 3^6 - 4^2 + 5^5 + 6^3$
  $= (-2 + 3 \times (4! + 5!)) \times 6$
  $= 6 \times 5 \times 43 \times 2.$

- $2582 = 2^3 + 3^6 + 4^2 + 5^5 - 6^4$
  $= \sqrt{6! \times 5} \times 43 + 2.$

- $2590 = -2^2 + 3^6 + 4^5 + 5^4 + 6^3$
  $= 2 \times (3!^4 + 5 - 6)$
  $= 6!/5 \times (4! - 3!) - 2.$

- $2598 = 2^2 + 3^6 + 4^5 + 5^4 + 6^3$
  $= (6^5 + 4!)/3 - 2.$

- $2608 = -2^3 - 3^6 + 4^4 + 5^5 - 6^2$
  $= 2 \times (3!^4 + 5) + 6.$

- $2612 = -2^4 - 3^6 + 4^2 + 5^5 + 6^3$
  $= 2 \times 3!^4 + 5!/6.$

- $2634 = -2^5 - 3^2 + 4^6 - 5^3 - 6^4$
  $= (-2 + 3! \times 4) \times 5! - 6$
  $= -6 + (-5! + \sqrt{4} \times 3!!) \times 2.$

- $2644 = 2^4 - 3^6 + 4^2 + 5^5 + 6^3$
  $= -2 + (-3 + 4!) \times (5! + 6)$
  $= (6! - 5! + \sqrt{4} + 3!!) \times 2.$

- $2652 = -2^5 + 3^2 + 4^6 - 5^3 - 6^4$
  $= 2 \times (3!! \times \sqrt{4} - 5! + 6)$
  $= (6 - 5! + \sqrt{4} \times 3!!) \times 2.$

- $2678 = -2^2 - 3^5 + 4^6 + 5^3 - 6^4$
  $= (-6 + 5^4 + 3!!) \times 2.$

- $2696 = 2^3 - 3^6 + 4^4 + 5^5 + 6^2$
  $= (6! + 5^4 + 3) \times 2.$

- $2698 = 2^5 - 3^2 + 4^6 - 5^3 - 6^4$
  $= (6 \times 5)^{\sqrt{4}} \times 3 - 2.$

- $2708 = 2^6 - 3^2 - 4^4 + 5^5 - 6^3$
  $= 23 \times (-\sqrt{4} + 5!) - 6$
  $= 6! + (-5! + 4^{3!})/2.$

- $2742 = -2^6 - 3^3 - 4^4 + 5^5 - 6^2$
  $= 2 \times 3 + 4! \times (5! - 6)$
  $= (-6 + 5!) \times 4! + (3!/2)!.$

- $2748 = -2^6 - 3^4 - 4^2 + 5^5 - 6^3$
  $= 2 \times 3! + 4! \times (5! - 6)$
  $= (654 + 3!!) \times 2.$

- $2766 = -2^5 - 3^3 + 4^6 + 5^2 - 6^4$
  $= 23 \times 4! \times 5 + 6$
  $= 6 - 5! + 4! \times (3+2)!.$

- $2770 = -2^5 + 3^3 + 4^6 - 5^2 - 6^4$
  $= (2 + 3!! - 4!) \times 5 - 6!$
  $= -6! + 5 \times (-4! + 3!! + 2).$

- $2780 = -2^6 - 3^4 + 4^2 + 5^5 - 6^3$
  $= -(2+3)! + 4 \times (5 + 6!)$
  $= (6! + 5) \times 4 - (3+2)!.$

- $2796 = -2^6 + 3^3 - 4^4 + 5^5 - 6^2$
  $= -2^{3!} + 4 \times (-5 + 6!).$

- $2820 = -2^5 + 3^3 + 4^6 + 5^2 - 6^4$
  $= 2 \times (3!^4 + 5! - 6)$
  $= (6! - 5!/4 + 3!!) \times 2.$

- $2830 = 2^5 - 3^3 + 4^6 + 5^2 - 6^4$
  $= (6! - 5^{\sqrt{4}} + 3!!) \times 2.$

- $2864 = -2^2 - 3^6 + 4^4 + 5^5 + 6^3$
  $= -2 + 3! + 4 \times (-5 + 6!)$
  $= (6! + 5) \times 4 - 3!^2.$

- $2868 = -2^6 + 3^3 - 4^4 + 5^5 + 6^2$
  $= 2 \times (3 \times 4 \times 5! - 6)$
  $= (6! + 5) \times 4 - 32.$

- $2870 = 2^6 - 3^3 - 4^4 + 5^5 - 6^2$
  $= 2 - 3! + 4! \times 5! - 6$
  $= (6! - 5) \times \sqrt{4} + 3!! \times 2.$

- $2872 = 2^2 - 3^6 + 4^4 + 5^5 + 6^3$
  $= 2 \times (3!! - 4 + 5! \times 6)$
  $= (6 - 5) \times 4 \times (3!! - 2).$

- $2876 = 2^6 - 3^4 - 4^2 + 5^5 - 6^3$
  $= 2 - 3! + 4 \times 5! \times 6$
  $= 6 \times 5! \times 4 - 3! + 2.$

- $2880 = -2^6 - 3^4 - 4^3 + 5^5 - 6^2$
  $= (-2 + 3) \times 4 \times 5! \times 6$
  $= 6! + 5 \times 432.$

- $2884 = 2^5 + 3^3 + 4^6 + 5^2 - 6^4$
  $= -2 + 3! + 4 \times 5! \times 6$
  $= 6 \times 5! \times 4 + 3! - 2.$

- $2902 = -2^5 + 3^2 + 4^6 + 5^3 - 6^4$
  $= 2 + (3!! + 4) \times 5 - 6!$
  $= 6! \times 5 + 4! - 3!! - 2.$

- $2908 = 2^6 - 3^4 + 4^2 + 5^5 - 6^3$
  $= 2^3 + 4 \times (5 + 6!)$
  $= (6! + 5 + \sqrt{4}) \times (3! - 2).$

- $2910 = -2^6 + 3^4 - 4^2 + 5^5 - 6^3$
  $= (2 + 3!! + 4) \times 5 - 6!$
  $= 6 \times 5 + 4 \times (3 \times 2)!.$

- $2914 = -2^2 + 3^5 + 4^6 - 5^3 - 6^4$
  $= -2 + (3! + 4 \times 5!) \times 6$
  $= 6 \times (5! \times 4 + 3!) - 2.$

- $2920 = -2^2 + 3^6 + 4^5 - 5^3 + 6^4$
  $= (-2 + 3!) \times (\sqrt{4} \times 5 + 6!)$
  $= (6! + 5 \times 4 + 3!!) \times 2.$

- $2922 = 2^2 + 3^5 + 4^6 - 5^3 - 6^4$
  $= (-2 + 3!)! \times (\sqrt{4} + 5!) - 6$
  $= 6 + 5! \times 4! + 3!^2.$

- $2924 = 2^6 + 3^3 - 4^4 + 5^5 - 6^2$
  $= (-2 + 3!)! + 4 \times (5 + 6!)$
  $= (6! + 5) \times 4 + (3! - 2)!.$

- $2928 = 2^2 + 3^6 + 4^5 - 5^3 + 6^4$
  $= (2 + 3! + 4 \times 5!) \times 6$
  $= 6 \times (5! \times 4 + 3! + 2).$

- $2942 = 2^6 - 3^3 - 4^4 + 5^5 + 6^2$
  $= 2 + 3!! \times 4 + \sqrt{5 \times 6!}$
  $= \sqrt{6! \times 5} + 4 \times 3!! + 2.$

- $2948 = 2^5 - 3^2 + 4^6 + 5^3 - 6^4$
  $= (2 + 3!!) \times 4 + \sqrt{5 \times 6!}$
  $= \sqrt{6! \times 5} + 4 \times (3!! + 2).$

- $2952 = -2^6 - 3^4 - 4^3 + 5^5 + 6^2$
  $= 2 \times 3! \times (\sqrt{4} \times 5! + 6)$
  $= (6 + 5! \times \sqrt{4}) \times 3! \times 2.$

- $2996 = 2^6 + 3^3 - 4^4 + 5^5 + 6^2$
  $= 2 + 3!! \times 4 + 5! - 6$
  $= (6! + 5 + 4!) \times (3! - 2).$

- $3008 = -2^6 - 3^4 + 4^3 + 5^5 - 6^2$
  $= 2 + 3!! \times 4 + 5! + 6$
  $= 6 + 5! + 4 \times 3!! + 2.$

- $3010 = -2^3 + 3^5 + 4^6 - 5^2 - 6^4$
  $= (2 + 3!! + 4!) \times 5 - 6!$
  $= (65 + \sqrt{4} \times 3!!) \times 2.$

- $3012 = -2^6 - 3^2 - 4^4 + 5^5 + 6^3$
  $= -2 \times 3! + 4! \times (5! + 6)$
  $= (6 + 5!) \times 4! - 3! \times 2.$

- $3016 = -2^3 + 3^6 + 4^5 - 5^2 + 6^4$
  $= -2 - 3! + 4! \times (5! + 6)$
  $= (6 + 5!) \times 4! - 3! - 2.$

- $3024 = -2^2 - 3^3 - 4^6 - 5^4 + 6^5$
  $= 2 \times (3 + 4!) \times 56$
  $= 6! + (5 + 43)^2.$

- $3026 = 2^3 + 3^5 + 4^6 - 5^2 - 6^4$
  $= 2 + 3! \times 4 \times (5! + 6)$
  $= (6 + 5!) \times 4 \times 3! + 2.$

- $3030 = -2^6 + 3^2 - 4^4 + 5^5 + 6^3$
  $= 2 \times 3 + 4! \times (5! + 6)$
  $= 6 \times (5^4 - (3 + 2)!).$

- $3032 = 2^3 + 3^6 + 4^5 - 5^2 + 6^4$
  $= 2^3 + 4! \times (5! + 6)$
  $= (6 + 5!) \times 4! + 3! + 2.$

- $3042 = -2^6 + 3^4 - 4^3 + 5^5 - 6^2$
  $= (2^{3^{\sqrt{4}}} - 5) \times 6$
  $= 6 \times (-5 + \sqrt{4}^{3^2}).$

- $3056 = -2^3 + 3^2 - 4^6 - 5^4 + 6^5$
  $= 2 + 3 \times (4^5 - 6)$
  $= (6 + 5!) \times 4! + 32.$

- $3060 = -2^3 + 3^5 + 4^6 + 5^2 - 6^4$
  $= (-2 + 3!) \times (45 + 6!)$
  $= (6 + 5!) \times 4! + 3!^2.$

- $3066 = -2^3 + 3^6 + 4^5 + 5^2 + 6^4$
  $= -6 + (5! - 4!) \times 32.$

- $3072 = 2^3 + 3^2 - 4^6 - 5^4 + 6^5$
  $= 2 \times (3!^4 - 5!) + 6!$
  $= 6 \times (5! \times 4 + 32).$

- $3076 = 2^3 + 3^5 + 4^6 + 5^2 - 6^4$
  $= -2 + 3 \times 4^5 + 6$
  $= (-6 + 5!) \times (4! + 3) - 2.$

- $3078 = -2^2 + 3^3 - 4^6 - 5^4 + 6^5$
  $= (23 + 4) \times (5! - 6)$
  $= (-6 + 5!) \times (4! + 3!/2).$

- $3080 = -2^6 - 3^4 + 4^3 + 5^5 + 6^2$
  $= 2 + (3 + 4!) \times (5! - 6)$
  $= (-6 + 5!) \times (4! + 3) + 2.$

- $3092 = -2^6 - 3^2 + 4^4 + 5^5 - 6^3$
  $= 2 + 3 \times (4^5 + 6).$

- $3114 = -2^6 + 3^4 - 4^3 + 5^5 + 6^2$
  $= (2 + 3! \times 4) \times 5! - 6$
  $= (65 \times 4! - 3) \times 2.$

- $3136 = 2^6 - 3^4 + 4^3 + 5^5 - 6^2$
  $= ((6!/5 + 4!)/3)^2.$

- $3170 = -2^2 + 3^6 + 4^5 + 5^3 + 6^4$
  $= 6^5/\sqrt{4} - 3!! + 2.$

- $3180 = -2^6 - 3^4 - 4^2 + 5^5 + 6^3$
  $= 6! - (5! - (4 + 3)!)/2.$

- $3184 = -2^3 - 3^5 + 4^6 - 5^4 - 6^2$
  $= 2 \times 3!! + 4^5 + 6!$
  $= -6! + (5! + \sqrt{4}) \times 32.$

- $3220 = 2^6 - 3^2 + 4^4 + 5^5 - 6^3$
  $= (6! - 5) \times 4 + 3!!/2.$

- $3232 = -2^5 + 3^2 + 4^6 - 5^4 - 6^3$
  $= -2 + (3 + 4!) \times 5! - 6$
  $= -6 + 5! \times (4! + 3) - 2.$

- $3238 = 2^6 + 3^2 + 4^4 + 5^5 - 6^3$
  $= -2 - 3!!/\sqrt{4} + 5 \times 6!$
  $= 6! \times 5 - (4 + 3!!)/2.$

- $3242 = 2^6 + 3^4 - 4^3 + 5^5 + 6^2$
  $= 2 + (-3 + 4!) \times 5! + 6!$
  $= 6! + 5! \times (4! - 3) + 2.$

- $3254 = -2^6 - 3^3 + 4^4 + 5^5 - 6^2$
  $= -6! - 5! + 4^{3!} - 2.$

- $3256 = -2^3 - 3^5 + 4^6 - 5^4 + 6^2$
  $= 6 \times 543 - 2.$

- $3296 = 2^5 + 3^2 + 4^6 - 5^4 - 6^3$
  $= -2^{3!} + 4 \times (5! + 6!).$

- $3342 = -2^6 + 3^4 - 4^2 + 5^5 + 6^3$
  $= (23 \times 4! + 5) \times 6.$

- $3374 = -2^6 + 3^4 + 4^2 + 5^5 + 6^3$
  $= -6 \times 5! + 4^{3!} - 2.$

- $3376 = -2^5 - 3^3 + 4^6 - 5^4 - 6^2$
  $= (-2 + 3!) \times 4^5 - 6!$
  $= (6! + 5! + 4) \times (3! - 2).$

- $3378 = -2^2 + 3^6 - 4^4 + 5^5 - 6^3$
  $= -6 \times 5! + 4^{3!} + 2.$

- $3440 = -2^2 - 3^5 + 4^6 - 5^4 + 6^3$
  $= (2 + 3) \times (-\sqrt{4^5} + 6!)$
  $= (6! + (5 \times \sqrt{4})^3) \times 2.$

- $3448 = 2^2 - 3^5 + 4^6 - 5^4 + 6^3$
  $= 6!/5 \times 4! - 3! - 2.$

- $3454 = 2^6 - 3^3 + 4^4 + 5^5 + 6^2$
  $= -2 + 3456$
  $= (-6 + 5!) \times 4! + 3!! - 2.$

- $3478 = 2^2 - 3^4 - 4^6 - 5^3 + 6^5$
  $= -2 - (3 + \sqrt{4})! + 5 \times 6!$
  $= 6! - 5! + 4 \times 3!! - 2.$

- $3494 = 2^5 + 3^3 + 4^6 - 5^4 - 6^2$
  $= 2 \times (3 + 4^5 + 6!)$
  $= -6! + 5! + 4^{3!} - 2.$

- $3508 = 2^6 + 3^3 + 4^4 + 5^5 + 6^2$
  $= -23 \times 4 + 5 \times 6!.$

- $3512 = 2^5 - 3^3 + 4^6 - 5^4 + 6^2$
  $= -2^{3!} - 4! + 5 \times 6!.$

- $3530 = -2^4 - 3^2 - 4^6 - 5^3 + 6^5$
  $= 2 - 3 \times 4! + 5 \times 6!$
  $= 6! \times 5 - 4! \times 3 + 2.$

- $3554 = -2^3 + 3^6 - 4^4 + 5^5 - 6^2$
  $= -23 \times \sqrt{4} + 5 \times 6!.$

- $3562 = 2^4 - 3^2 - 4^6 - 5^3 + 6^5$
  $= -2 - 3!^{\sqrt{4}} + 5 \times 6!$
  $= 6! \times 5 - \sqrt{4} - 3!^2.$

- $3566 = 2^5 + 3^3 + 4^6 - 5^4 + 6^2$
  $= 2 - \sqrt{3!^4} + 5 \times 6!$
  $= 6! \times 5 - \sqrt{4} - 32.$

- $3570 = 2^3 + 3^6 - 4^4 + 5^5 - 6^2$
  $= -2 \times 3 - 4! + 5 \times 6!$
  $= 6! \times 5 - 4! - 3 \times 2.$

- $3580 = 2^4 + 3^2 - 4^6 - 5^3 + 6^5$
  $= -2 + 3! - 4! + 5 \times 6!$
  $= (6 \times 5! - 4) \times (3 + 2).$

- $3582 = 2^3 - 3^4 - 4^6 - 5^2 + 6^5$
  $= -2 \times 3^{\sqrt{4}} + 5 \times 6!$
  $= 6! \times 5 - 4! + 3 \times 2.$

- $3596 = -2^4 - 3^5 + 4^6 - 5^2 - 6^3$
  $= -2^3 + 4 + 5 \times 6!$
  $= 6! \times 5 + 4 - 3! - 2.$

- $3606 = -2^4 + 3^6 - 4^2 + 5^5 - 6^3$
  $= (2+3)!/4 \times 5! + 6$
  $= 6! \times 5 + \sqrt{4} + 3! - 2.$

- $3612 = -2^4 - 3^3 - 4^6 - 5^2 + 6^5$
  $= -2 + (3!! + 4) \times 5 - 6$
  $= 6! \times 5 + 4 + 3! + 2.$

- $3616 = -2^3 - 3^4 - 4^6 + 5^2 + 6^5$
  $= 2 + (3!! + 4) \times 5 - 6$
  $= 6 + 5 \times (4 + 3!! - 2).$

- $3624 = -2^2 - 3^6 - 4^3 + 5^5 + 6^4$
  $= (-2+3) \times 4! + 5 \times 6!$
  $= 6 + 5 \times (4 + 3!!) - 2.$

- $3626 = -2^3 + 3^6 - 4^4 + 5^5 + 6^2$
  $= ((2 \times 3)! + 4) \times 5 + 6$
  $= 6! \times 5 + 4 \times 3! + 2.$

- $3628 = 2^4 - 3^5 + 4^6 - 5^2 - 6^3$
  $= -2 + 3! + 4! + 5 \times 6!$
  $= 6! \times 5 - 4 + 32.$

- $3632 = 2^2 - 3^6 - 4^3 + 5^5 + 6^4$
  $= 2 + 3! + 4! + 5 \times 6!$
  $= 6! \times 5 + 4^3/2.$

- $3638 = -2^4 + 3^6 + 4^2 + 5^5 - 6^3$
  $= 2 + 3!^{\sqrt{4}} + 5 \times 6!$
  $= 6! \times 5 + \sqrt{4} + 3!^2.$

- $3640 = 2^2 + 3^4 - 4^6 - 5^3 + 6^5$
  $= 2^{3!} - 4! + 5 \times 6!$
  $= 65 \times (4! + 32).$

- $3642 = 2^3 + 3^6 - 4^4 + 5^5 + 6^2$
  $= 2 \times (-3 + 4!) + 5 \times 6!$
  $= 6! \times 5 + (4! - 3) \times 2.$

- $3646 = -2^5 - 3^2 + 4^6 - 5^4 + 6^3$
  $= 23 \times \sqrt{4} + 5 \times 6!.$

- $3662 = -2^4 - 3^3 - 4^6 + 5^2 + 6^5$
  $= 2^{3!} - \sqrt{4} + 5 \times 6!$
  $= 6! \times 5 + 4^3 - 2.$

- $3664 = -2^5 + 3^2 + 4^6 - 5^4 + 6^3$
  $= 2^{3!} + 4! \times 5! + 6!$
  $= 6! \times 5 + \sqrt{4} \times 32.$

- $3666 = -2^4 + 3^3 - 4^6 - 5^2 + 6^5$
  $= 2^{3!} + \sqrt{4} + 5 \times 6!$
  $= 6! \times 5 + 4^3 + 2.$

- $3668 = -2^3 - 3^6 - 4^2 + 5^5 + 6^4$
  $= 2 \times 34 + 5 \times 6!.$

- $3670 = 2^6 + 3^2 + 4^4 + 5^5 + 6^3$
  $= -2 + 3 \times 4! + 5 \times 6!$
  $= 6! \times 5 + 4! \times 3 - 2.$

- $3678 = 2^4 - 3^5 + 4^6 + 5^2 - 6^3$
  $= 6^5 - 4^{3!} - 2.$

- $3686 = 2^3 + 3^5 + 4^6 - 5^4 - 6^2$
  $= 6! \times 5 + 43 \times 2.$

- $3700 = -2^3 - 3^6 + 4^2 + 5^5 + 6^4$
  $= (2+3) \times (4 \times 5 + 6!)$
  $= (6! + 5 \times 4) \times (3 + 2).$

- $3716 = 2^3 - 3^6 + 4^2 + 5^5 + 6^4$
  $= 2 + (3!! + 4!) \times 5 - 6$
  $= (-6 + 5^4) \times 3! + 2.$

- $3720 = -2^2 - 3^4 - 4^6 + 5^3 + 6^5$
  $= (2+3) \times 4! + 5 \times 6!$
  $= 6 \times (5! + 4) \times (3 + 2).$

- $3728 = 2^2 - 3^4 - 4^6 + 5^3 + 6^5$
  $= 2^{3!} \times \sqrt{4} + 5 \times 6!$
  $= 6! + 5! + 4 \times (3!! + 2).$

- $3738 = -2^4 + 3^6 - 4^3 + 5^5 - 6^2$
  $= 6 \times 5^4 - 3! \times 2.$

- $3742 = -2^3 + 3^5 + 4^6 - 5^4 + 6^2$
  $= -2 + 3! \times 4! + 5 \times 6!$
  $= 6 \times (-5! + 4! + 3!! - 2).$

- $3744 = 2^3 + 3^4 - 4^6 - 5^2 + 6^5$
  $= (2 \times 3)! + 4! \times (5! + 6)$
  $= (6 + 5!) \times 4! + (3 \times 2)!.$

- $3748 = 2^4 + 3^3 - 4^6 + 5^2 + 6^5$
  $= 6 \times 5^{4!/3!} - 2.$

- $3752 = -2^2 - 3^6 + 4^3 + 5^5 + 6^4$
  $= 6 \times 5^{4!/3!} + 2.$

- $3758 = 2^3 + 3^5 + 4^6 - 5^4 + 6^2$
  $= 6 + 5^4 \times 3! + 2.$

- $3760 = 2^2 - 3^6 + 4^3 + 5^5 + 6^4$
  $= (2+3) \times (\sqrt{4^5} + 6!).$

- $3770 = 2^4 + 3^6 - 4^3 + 5^5 - 6^2$
  $= 6 \times (5^4 + 3) + 2.$

- $3778 = -2^3 + 3^4 - 4^6 + 5^2 + 6^5$
  $= -2 + 3!!/4 + 5 \times 6!$
  $= (6 + 5!) \times (4! + 3!) - 2.$

- $3780 = 2^4 - 3^5 + 4^6 - 5^3 + 6^2$
  $= ((2+3)^4 + 5) \times 6$
  $= (6 + 5!) \times (-\sqrt{4} + 32).$

- $3792 = -2^5 - 3^4 + 4^6 + 5^2 - 6^3$
  $= (2^{3^{\sqrt{4}}} + 5!) \times 6$
  $= 6! \times 5 + 4! \times (3! + 2).$

- $3794 = 2^3 + 3^4 - 4^6 + 5^2 + 6^5$
  $= 2 + 3 \times 4^5 + 6!.$

- $3798 = -2^4 + 3^2 - 4^6 + 5^3 + 6^5$
  $= 6 \times (5^4 + 3! + 2)$.

- $3822 = -2^5 - 3^4 + 4^6 - 5^3 - 6^2$
  $= 6 \times (5^4 + 3! \times 2)$.

- $3842 = 2^4 + 3^6 - 4^3 + 5^5 + 6^2$
  $= \sqrt{6! \times 5} \times 4^3 + 2$.

- $3856 = 2^5 - 3^4 + 4^6 + 5^2 - 6^3$
  $= 2^{3!} \times 4 + 5 \times 6!$
  $= 6^5/\sqrt{4} - 32$.

- $3882 = -2^2 + 3^4 - 4^6 + 5^3 + 6^5$
  $= (6^5/4 - 3) \times 2$.

- $3886 = 2^5 - 3^4 + 4^6 - 5^3 - 6^2$
  $= (6!/5!)^4 \times 3 - 2$.

- $3890 = 2^2 + 3^4 - 4^6 + 5^3 + 6^5$
  $= (6!/5!)^4 \times 3 + 2$.

- $3894 = -2^5 - 3^4 + 4^6 - 5^3 + 6^2$
  $= (23^{\sqrt{4}} + 5!) \times 6$
  $= (6^5 + 4 \times 3)/2$.

- $3898 = 2^2 + 3^6 + 4^4 + 5^5 - 6^3$
  $= -6 + (5! + \sqrt{4}) \times 32$.

- $3904 = -2^5 + 3^4 + 4^6 - 5^2 - 6^3$
  $= (6 + 5! - 4) \times 32$.

- $3926 = -2^2 + 3^5 + 4^6 - 5^4 + 6^3$
  $= 654 \times 3! + 2$.

- $3938 = -2^4 + 3^6 + 4^3 + 5^5 + 6^2$
  $= (-2 + 3!!/\sqrt{4}) \times (5 + 6)$
  $= (6 + 5) \times (-4 + 3!!)/2$.

- $3954 = -2^5 + 3^4 + 4^6 + 5^2 - 6^3$
  $= -6 + 5! \times (4! + 3^2)$.

- $3958 = 2^5 - 3^4 + 4^6 - 5^3 + 6^2$
  $= -2 + 3!!/\sqrt{4} + 5 \times 6!$
  $= (6! - 5!/\sqrt{4}) \times 3! - 2$.

- $3968 = 2^5 + 3^4 + 4^6 - 5^2 - 6^3$
  $= 2^{3!} \times (\sqrt{4} + \sqrt{5 \times 6!})$.

- $3970 = 2^4 + 3^6 + 4^3 + 5^5 + 6^2$
  $= 2^{3\times 4} - 5! - 6$
  $= -6 - 5! + 4^{3\times 2}$.

- $3984 = -2^5 + 3^4 + 4^6 - 5^3 - 6^2$
  $= 6 - 5! + 4^{3!} + 2$.

- $3998 = -2^4 - 3^5 + 4^6 + 5^3 + 6^2$
  $= 6 \times (-54 + 3!!) + 2$.

- $4030 = 2^4 - 3^5 + 4^6 + 5^3 + 6^2$
  $= -2 + 3 \times 4! \times 56$
  $= 65 \times (4^3 - 2)$.

- $4038 = -2^4 + 3^6 - 4^2 + 5^5 + 6^3$
  $= (-2 + 3!! - 45) \times 6$
  $= -\sqrt{6! \times 5} + 4^{3!} + 2$.

- $4048 = 2^5 + 3^4 + 4^6 - 5^3 - 6^2$
  $= -2 + (3!! - 45) \times 6$.

- $4056 = -2^5 + 3^4 + 4^6 - 5^3 + 6^2$
  $= 6 \times (5 + 4! - 3)^2$.

- $4066 = -2^3 + 3^6 + 4^4 + 5^5 - 6^2$
  $= 2^{3\times 4} - 5 \times 6$
  $= -6 \times 5 + 4^{3\times 2}$.

- $4072 = -2^5 - 3^4 + 4^6 + 5^3 - 6^2$
  $= -2 + 34 \times 5! - 6$.

- $4078 = -2^4 - 3^5 + 4^6 + 5^2 + 6^3$
  $= -2 + 3!! + 4 \times (5! + 6!)$
  $= (6! + 5!) \times 4 + 3!! - 2$.

- $4082 = 2^3 + 3^6 + 4^4 + 5^5 - 6^2$
  $= 2 + 3!! + 4 \times (5! + 6!)$
  $= (6! + 5!) \times 4 + 3!! + 2$.

- $4102 = 2^4 + 3^6 + 4^2 + 5^5 + 6^3$
  $= 2^{3+4+5} + 6$
  $= 6!/5! + 4^{3\times 2}$.

- $4110 = 2^4 - 3^5 + 4^6 + 5^2 + 6^3$
  $= \sqrt{6!/5} + 4^{3!} + 2$.

- $4120 = 2^5 + 3^4 + 4^6 - 5^3 + 6^2$
  $= (-2 + 3!) \times (4^5 + 6)$.

- $4138 = -2^3 + 3^6 + 4^4 + 5^5 + 6^2$
  $= (6! - 5!/4) \times 3! - 2$.

- $4144 = -2^5 - 3^4 + 4^6 + 5^3 + 6^2$
  $= (2 + 3 \times 4!) \times 56$
  $= 6 \times (-5 - 4! + 3!!) - 2$.

- $4154 = 2^3 + 3^6 + 4^4 + 5^5 + 6^2$
  $= \sqrt{6! \times 5} + 4^{3!} - 2$.

- $4162 = -2^4 + 3^5 + 4^6 - 5^3 - 6^2$
  $= 65 \times 4^3 + 2$.

- $4164 = 2^4 + 3^5 + 4^6 + 5^2 - 6^3$
  $= (-2 + 3! \times (-4 + 5!)) \times 6$
  $= 6 \times ((5! - 4) \times 3! - 2)$.

- $4174 = -2^5 - 3^4 + 4^6 - 5^2 + 6^3$
  $= -2 + 3! \times (-4 + 5!) \times 6$
  $= 6 \times (5! - 4) \times 3! - 2$.

- $4194 = 2^4 + 3^5 + 4^6 - 5^3 - 6^2$
  $= (-2 + 3!! - 4! + 5) \times 6$
  $= 6 \times (5 - 4! + 3!! - 2)$.

- $4208 = 2^5 - 3^4 + 4^6 + 5^3 + 6^2$
  $= 2 \times (3!! + 4^5) + 6!$
  $= -6 + 5! + 4^{3!} - 2.$

- $4224 = -2^5 - 3^4 + 4^6 + 5^2 + 6^3$
  $= 65^{\sqrt{4}} - 3 + 2.$

- $4234 = -2^4 + 3^5 + 4^6 - 5^3 + 6^2$
  $= 65^{\sqrt{4}} + 3^2.$

- $4238 = 2^5 - 3^4 + 4^6 - 5^2 + 6^3$
  $= 6!/5 + 4^{3!} - 2.$

- $4258 = -2^2 - 3^5 + 4^6 + 5^4 - 6^3$
  $= -2 + 3! \times (-\sqrt{4} \times 5 + 6!)$
  $= 6 \times (-5 \times \sqrt{4} + 3!!) - 2.$

- $4266 = 2^4 + 3^5 + 4^6 - 5^3 + 6^2$
  $= ((2 \times 3)! - 4 - 5) \times 6$
  $= (6! - 5 - 4) \times 3 \times 2.$

- $4282 = 2^2 - 3^3 - 4^6 + 5^4 + 6^5$
  $= -2 + 34 \times (5! + 6)$
  $= 6 \times (-(\sqrt{5+4})! + 3!!) - 2.$

- $4284 = -2^6 - 3^2 - 4^3 + 5^5 + 6^4$
  $= 2 \times 3 \times ((\sqrt{4+5})!! - 6)$
  $= (6 + 5!) \times (\sqrt{4} + 32).$

- $4288 = 2^5 - 3^4 + 4^6 + 5^2 + 6^3$
  $= -2 + ((3 \times \sqrt{4})! - 5) \times 6$
  $= -6! + (5 + \sqrt{4})! - 32.$

- $4298 = 2^5 + 3^4 + 4^6 + 5^3 - 6^2$
  $= 2 + 3!! - 4! + 5 \times 6!$
  $= 6! \times 5 - 4! + 3!! + 2.$

- $4302 = -2^6 + 3^2 - 4^3 + 5^5 + 6^4$
  $= 2 \times 3 \times (\sqrt{4} - 5 + 6!)$
  $= (6! - 5 + \sqrt{4}) \times 3 \times 2.$

- $4304 = 2^3 - 3^2 - 4^6 + 5^4 + 6^5$
  $= 2 + 3! \times (\sqrt{4} - 5 + 6!)$
  $= 6 \times ((\sqrt{5+4})!! - 3) + 2.$

- $4306 = -2^5 + 3^4 + 4^6 + 5^3 + 6^2$
  $= -2 + 3! \times (-\sqrt{4} + 5! \times 6)$
  $= 6!/5! \times (-\sqrt{4} + 3!!) - 2.$

- $4314 = -2^6 - 3^3 - 4^2 + 5^5 + 6^4$
  $= 2 \times 3 \times (4 - 5 + 6!)$
  $= 6! \times 5 - 4 + 3!! - 2.$

- $4322 = -2^2 + 3^6 + 4^4 + 5^5 + 6^3$
  $= 2 - 3!! + (-4 + 5 + 6)!$
  $= (6 + 5 - 4)! - 3!! + 2.$

- $4328 = -2^2 + 3^3 - 4^6 + 5^4 + 6^5$
  $= 2 + 3!^{\sqrt{4}} \times 5! + 6$
  $= 6 \times ((5 - 4) + 3!!) + 2.$

- $4330 = 2^2 + 3^6 + 4^4 + 5^5 + 6^3$
  $= 2 \times (3!! \times 4 + 5 - 6!)$
  $= (6 \times 5! - \sqrt{4}) \times 3! - 2.$

- $4336 = 2^2 + 3^3 - 4^6 + 5^4 + 6^5$
  $= -2 + (3!! - \sqrt{4} + 5) \times 6$
  $= (6! + 5 - \sqrt{4}) \times 3! - 2.$

- $4346 = -2^6 - 3^3 + 4^2 + 5^5 + 6^4$
  $= 2 + 3!! + 4! + 5 \times 6!$
  $= 6! \times 5 + 4! + 3!! + 2.$

- $4368 = -2^6 + 3^3 - 4^2 + 5^5 + 6^4$
  $= 2 \times 3^{\sqrt{4}+5} - 6$
  $= 6! \times 5 + 4! \times 32.$

- $4386 = -2^5 + 3^4 + 4^6 + 5^2 + 6^3$
  $= (2 + 3!! + 4 + 5) \times 6$
  $= 6 \times ((5 + 4)^3 + 2).$

- $4400 = -2^6 + 3^3 + 4^2 + 5^5 + 6^4$
  $= (2 + 3) \times 4^5 - 6!$
  $= -6! + 5 \times 4^{3+2}.$

- $4430 = 2^6 + 3^2 - 4^3 + 5^5 + 6^4$
  $= (-2 + 3!! + 4!) \times 5 + 6!$
  $= 6! + 5 \times (4! + 3!! - 2).$

- $4434 = -2^3 - 3^5 + 4^6 + 5^4 - 6^2$
  $= ((2 \times 3)! + 4! - 5) \times 6$
  $= (6! - 5 + 4!) \times 3 \times 2.$

- $4442 = 2^6 - 3^3 - 4^2 + 5^5 + 6^4$
  $= 2 + 3! \times (4 \times 5 + 6!)$
  $= 6 \times (5 \times 4 + 3!!) + 2.$

- $4450 = 2^5 + 3^4 + 4^6 + 5^2 + 6^3$
  $= (2 + 3!! + 4!) \times 5 + 6!$
  $= 6! + 5 \times (4! + 3!! + 2).$

- $4464 = -2^5 - 3^2 + 4^6 + 5^4 - 6^3$
  $= 2 \times 3!! + 4! \times (5! + 6)$
  $= (6 + 5! - \sqrt{4}) \times 3!^2.$

- $4482 = -2^5 + 3^2 + 4^6 + 5^4 - 6^3$
  $= (-2 + 3!! + 4! + 5) \times 6$
  $= 6 \times (5 + 4! + 3!! - 2).$

- $4496 = 2^6 + 3^3 - 4^2 + 5^5 + 6^4$
  $= 2 + (3!! + 4! + 5) \times 6$
  $= 6 \times (5 + 4! + 3!!) + 2.$

- $4506 = -2^3 - 3^5 + 4^6 + 5^4 + 6^2$
  $= (2 + 3!! + 4! + 5) \times 6$
  $= 6 + 5 \times (4! + 3!)^2.$

- $4514 = -2^4 + 3^5 + 4^6 - 5^2 + 6^3$
  $= 2 + (3!! + \sqrt{4^5}) \times 6.$

- $4680 = -2^5 + 3^3 + 4^6 + 5^4 - 6^2$
  $= 234 \times 5!/6$
  $= 6 \times (5! + \sqrt{4} \times 3!!)/2.$

- $4698 = 2^2 - 3^5 + 4^6 + 5^4 + 6^3$
  $= 6! - 5! + 4^{3!} + 2.$

- $4752 = -2^5 + 3^3 + 4^6 + 5^4 + 6^2$
  $= (6 + 5) \times 432.$

- $4816 = 2^5 + 3^3 + 4^6 + 5^4 + 6^2$
  $= (2 + 3!) \times (\sqrt{4} - 5! + 6!)$
  $= (6! - 5! + \sqrt{4}) \times (3! + 2).$

- $4896 = -2^5 - 3^2 + 4^6 + 5^4 + 6^3$
  $= 2 \times 3 \times (-4! + 5! + 6!)$
  $= 6!/5 \times (\sqrt{4} + 32).$

- $4914 = -2^5 + 3^2 + 4^6 + 5^4 + 6^3$
  $= (2 + 3 + \sqrt{4})! - 5! - 6$
  $= -6 + 5! \times (43 - 2).$

- $4920 = -2^3 + 3^5 + 4^6 + 5^4 - 6^2$
  $= 2 \times 3!! \times 4 - 5! - 6!$
  $= -6! - 5! + 4 \times 3!! \times 2.$

- $4936 = 2^3 + 3^5 + 4^6 + 5^4 - 6^2$
  $= 2^{3\times 4} + 5! + 6!$
  $= 6! + 5! + 4^{3\times 2}.$

- $4978 = 2^5 + 3^2 + 4^6 + 5^4 + 6^3$
  $= -2 + (3 + 4)! - \sqrt{5 \times 6!}$
  $= -\sqrt{6! \times 5} + (4 + 3)! - 2.$

- $4992 = -2^3 + 3^5 + 4^6 + 5^4 + 6^2$
  $= 2 \times (3!! - 4!) + 5 \times 6!$
  $= 6! \times 5 + (-4! + 3!!) \times 2.$

- $5008 = 2^3 + 3^5 + 4^6 + 5^4 + 6^2$
  $= -2 + (3 + 4)! - 5 \times 6$
  $= (6 + 5 - 4)! - 32.$

- $5020 = -2^2 - 3^5 + 4^6 - 5^3 + 6^4$
  $= (2 + 3 + \sqrt{4})! - 5!/6$
  $= -6 + (5 + \sqrt{4}) \times (3!! - 2).$

- $5028 = 2^2 - 3^5 + 4^6 - 5^3 + 6^4$
  $= -2 \times 3! + (\sqrt{4} + 5) \times 6!$
  $= 6! \times (5 + \sqrt{4}) - 3! \times 2.$

- $5082 = -2^2 + 3^6 - 4^3 + 5^5 + 6^4$
  $= 6 + (5 + \sqrt{4})! + 3!^2.$

- $5090 = 2^2 + 3^6 - 4^3 + 5^5 + 6^4$
  $= (2 + 3) \times (4^5 - 6).$

- $5126 = -2^3 + 3^6 - 4^2 + 5^5 + 6^4$
  $= (2 + 3) \times 4^5 + 6$
  $= 6 + 5 \times 4^{3+2}.$

- $5166 = -2^3 - 3^5 + 4^6 + 5^2 + 6^4$
  $= (2 + 3 + \sqrt{4})! + 5! + 6$
  $= (6 + 5!) \times (43 - 2).$

- $5182 = 2^3 - 3^5 + 4^6 + 5^2 + 6^4$
  $= -2 + (3!! + 4! + 5!) \times 6$
  $= 6 \times (5! + 4! + 3!!) - 2.$

- $5184 = 2^2 + 3^5 + 4^6 + 5^4 + 6^3$
  $= 2 \times 3 \times (4! + 5!) \times 6$
  $= (65 + 4 + 3)^2.$

- $5244 = -2^5 + 3^2 + 4^6 - 5^3 + 6^4$
  $= 23 \times \sqrt{4} \times (5! - 6)$
  $= \sqrt{6! \times 5} + (4! \times 3)^2.$

- $5358 = -2^5 - 3^3 + 4^6 + 5^2 + 6^4$
  $= (23 + 4!) \times (5! - 6).$

- $5412 = -2^5 + 3^3 + 4^6 + 5^2 + 6^4$
  $= (2 + 3!!/4 \times 5) \times 6.$

- $5422 = 2^5 - 3^3 + 4^6 + 5^2 + 6^4$
  $= -2 - 3!! + 4^5 \times 6.$

- $5426 = 2^5 + 3^3 + 4^6 - 5^2 + 6^4$
  $= 2 - 3!! + 4^5 \times 6$
  $= -6 + 5432.$

- $5476 = 2^5 + 3^3 + 4^6 + 5^2 + 6^4$
  $= (-6 + 5! \times \sqrt{4}/3)^2.$

- $5514 = 2^2 + 3^5 + 4^6 - 5^3 + 6^4$
  $= 23 \times \sqrt{4} \times 5! - 6$
  $= -6 + (-5! + 4 \times 3!!) \times 2.$

- $5756 = -2^2 + 3^5 + 4^6 + 5^3 + 6^4$
  $= 2 - 3! + (\sqrt{4} + 5)! + 6!$
  $= 6! + (5 + \sqrt{4})! - 3! + 2.$

- $5764 = 2^2 + 3^5 + 4^6 + 5^3 + 6^4$
  $= -2 + 3! + (\sqrt{4} + 5)! + 6!$
  $= 6! + (5 + \sqrt{4})! + 3! - 2.$

- $6482 = -2^2 - 3^6 + 4^3 - 5^4 + 6^5$
  $= 2 + 3!! \times 4 + 5 \times 6!$
  $= 6! + (5 + \sqrt{4})! + 3!! + 2.$

- $6490 = 2^2 - 3^6 + 4^3 - 5^4 + 6^5$
  $= 2 \times (3!! \times 4 + 5) + 6!$
  $= -6! + 5 \times (\sqrt{4} \times 3!! + 2).$

- $6912 = -2^2 - 3^6 - 4^4 + 5^3 + 6^5$
  $= 2 \times 3456$
  $= 6!/5 \times 4 \times 3! \times 2.$

- $6954 = 2^4 - 3^6 + 4^2 - 5^3 + 6^5$
  $= 2 \times (3!! - 4!) \times 5 - 6$
  $= -6 + 5 \times (-4! + 3!!) \times 2.$

- $6992 = -2^4 - 3^6 - 4^3 + 5^2 + 6^5$
  $= 23 \times (4^5 - 6!)$
  $= (-6! + 5! + 4^{3!}) \times 2.$

- $7030 = 2^4 + 3^2 + 4^6 + 5^5 - 6^3$
  $= 6^5 - 4! - 3!! - 2.$

- $7032 = -2^6 + 3^2 - 4^3 - 5^4 + 6^5$
  $= 6^5 - 4! - (3 \times 2)!.$

- $7044 = -2^6 - 3^3 - 4^2 - 5^4 + 6^5$
  $= (-2 + 3!^4 - 5!) \times 6.$

- $7082 = -2^2 + 3^4 + 4^6 + 5^5 - 6^3$
  $= 6^5 + 4! - 3!! + 2.$

- $7120 = -2^4 - 3^6 + 4^3 + 5^2 + 6^5$
  $= 6! + (5! \times \sqrt{4}/3)^2.$

- $7140 = -2^4 - 3^6 - 4^2 + 5^3 + 6^5$
  $= 2 \times (-3! - 4! + 5 \times 6!)$
  $= (6! \times 5 - 4! - 3!) \times 2.$

- $7152 = 2^4 - 3^6 + 4^3 + 5^2 + 6^5$
  $= 2 \times (3!! - 4 - 5!) \times 6$
  $= 6 \times (-5! - 4 + 3!!) \times 2.$

- $7160 = -2^6 + 3^2 + 4^3 - 5^4 + 6^5$
  $= (-2 + 3!!/\sqrt{4}) \times 5!/6$
  $= ((6! - 5) \times 4 + 3!!) \times 2.$

- $7168 = -2^3 - 3^4 + 4^6 + 5^5 + 6^2$
  $= 2^{3+4} \times 56$
  $= 6! \times (5 \times \sqrt{4}) - 32.$

- $7172 = -2^4 - 3^6 + 4^2 + 5^3 + 6^5$
  $= 2 \times ((3!! - 4) \times 5 + 6)$
  $= (6 + 5 \times (-4 + 3!!)) \times 2.$

- $7174 = -2^2 - 3^6 + 4^4 - 5^3 + 6^5$
  $= (-2 + 3!!) \times \sqrt{4} \times 5 - 6$
  $= -6 + 5 \times \sqrt{4} \times (3!! - 2).$

- $7182 = 2^2 - 3^6 + 4^4 - 5^3 + 6^5$
  $= (-2 + 3!!) \times (4 + 5) + 6!$
  $= 6! + (5 + 4) \times (3!! - 2).$

- $7184 = 2^3 - 3^4 + 4^6 + 5^5 + 6^2$
  $= 2 \times (-3! - \sqrt{4} + 5 \times 6!)$
  $= (6! \times 5 - 4!/3) \times 2.$

- $7196 = -2^4 + 3^3 + 4^6 + 5^5 - 6^2$
  $= 2 + 3!! \times \sqrt{4} \times 5 - 6$
  $= 6! \times 5 \times \sqrt{4} - 3! + 2.$

- $7204 = 2^4 - 3^6 + 4^2 + 5^3 + 6^5$
  $= -2 + 3!! \times \sqrt{4} \times 5 + 6$
  $= 6! \times 5 \times \sqrt{4} + 3! - 2.$

- $7214 = -2^4 - 3^3 + 4^6 + 5^5 + 6^2$
  $= 2 \times (3 + 4 + 5 \times 6!)$
  $= (6! \times 5 + 4 + 3) \times 2.$

- $7226 = 2^6 + 3^3 - 4^2 - 5^4 + 6^5$
  $= (2 + 3!!) \times \sqrt{4} \times 5 + 6$
  $= 6 + 5 \times \sqrt{4} \times (3!! + 2).$

- $7228 = 2^4 + 3^3 + 4^6 + 5^5 - 6^2$
  $= 2 \times ((3!! + 4) \times 5 - 6)$
  $= (-6 + 5 \times (4 + 3!!)) \times 2.$

- $7246 = 2^4 - 3^3 + 4^6 + 5^5 + 6^2$
  $= 2 \times (3!! + 4) \times 5 + 6$
  $= 6 + 5 \times (4 + 3!!) \times 2.$

- $7268 = -2^4 + 3^3 + 4^6 + 5^5 + 6^2$
  $= 2 \times (34 + 5 \times 6!).$

- $7286 = 2^3 - 3^6 + 4^4 - 5^2 + 6^5$
  $= (6! \times 5 + 43) \times 2.$

- $7320 = -2^3 - 3^6 + 4^4 + 5^2 + 6^5$
  $= (2 + 3)! + \sqrt{4} \times 5 \times 6!$
  $= (65 - 4) \times (3 + 2)!.$

- $7352 = -2^2 - 3^4 + 4^6 + 5^5 + 6^3$
  $= -6! - 5! + 4^{3!} \times 2.$

- $7360 = 2^2 - 3^4 + 4^6 + 5^5 + 6^3$
  $= (6^5 - 4^{3!}) \times 2.$

- $7404 = -2^6 - 3^3 - 4^4 - 5^2 + 6^5$
  $= 6^5 - (4! + 3!!)/2.$

- $7412 = -2^4 - 3^2 + 4^6 + 5^5 + 6^3$
  $= 6^5 - 4 - 3!!/2.$

- $7424 = -2^2 - 3^6 + 4^4 + 5^3 + 6^5$
  $= 2^{3!} \times (\sqrt{4} + 5! - 6).$

- $7430 = -2^4 + 3^2 + 4^6 + 5^5 + 6^3$
  $= 2^{3!} \times (-4 + 5!) + 6.$

- $7462 = 2^4 + 3^2 + 4^6 + 5^5 + 6^3$
  $= -6! + (-5 + 4^{3!}) \times 2.$

- $7542 = -2^6 - 3^4 - 4^3 - 5^2 + 6^5$
  $= (6! + 5! - \sqrt{4}) \times 3^2.$

- $7562 = -2^2 - 3^3 - 4^4 + 5^6 - 6^5$
  $= 2 + 3^{\sqrt{4}} \times (5! + 6!).$

- $7572 = -2^6 - 3^2 - 4^4 + 5^3 + 6^5$
  $= 6 \times (5^4 + 3!) \times 2.$

- $7592 = -2^6 - 3^4 - 4^3 + 5^2 + 6^5$
  $= -6! + 5! + 4^{3!} \times 2.$

- $7648 = -2^3 - 3^6 - 4^2 + 5^4 + 6^5$
  $= 6^5 - 4 \times 32.$

- $7652 = -2^6 + 3^4 - 4^2 - 5^3 + 6^5$
  $= 6^5 - 4 - (3 + 2)!.$

- $7670 = -2^6 - 3^4 + 4^3 - 5^2 + 6^5$
  $= 65 \times ((\sqrt{4} + 3)! - 2).$

- $7680 = -2^3 - 3^6 + 4^2 + 5^4 + 6^5$
  $= 2^3 \times (\sqrt{4} \times 5! + 6!)$
  $= \sqrt{6! \times 5} \times 4 \times 32.$

- $7684 = -2^6 + 3^4 + 4^2 - 5^3 + 6^5$
  $= 6 + 5! \times 4^3 - 2.$

- $7696 = 2^3 - 3^6 + 4^2 + 5^4 + 6^5$
  $= (2^{3!})^{\sqrt{4}} + 5 \times 6!$
  $= 6! \times 5 + 4^{3\times 2}.$

- $7704 = -2^6 + 3^4 - 4^3 - 5^2 + 6^5$
  $= 6^5 - \sqrt{4} \times 3!^2.$

- $7720 = -2^6 - 3^4 + 4^3 + 5^2 + 6^5$
  $= 6^5 - 4! - 32.$

- $7740 = 2^2 - 3^6 + 4^3 + 5^4 + 6^5$
  $= 6^5 - 4 - 32.$

- $7744 = -2^3 - 3^4 - 4^2 + 5^6 - 6^5$
  $= -2 + (3!^4 - 5) \times 6$
  $= 6^5 + 4 - 3!^2.$

- $7754 = -2^6 + 3^4 - 4^3 + 5^2 + 6^5$
  $= 6^5 - 4 \times 3! + 2.$

- $7760 = 2^3 - 3^4 - 4^2 + 5^6 - 6^5$
  $= 6^5 - 4 \times (3! - 2).$

- $7772 = -2^6 - 3^4 + 4^2 + 5^3 + 6^5$
  $= 2 + (3 \times \sqrt{4})^5 - 6$
  $= 6^5 - 4 \times (3 - 2).$

- $7776 = -2^3 - 3^4 + 4^2 + 5^6 - 6^5$
  $= (2 \times 3)^{4-5+6}$
  $= 6^5 \times (4 - 3)^2.$

- $7778 = -2^4 + 3^2 - 4^3 + 5^6 - 6^5$
  $= 2 + 3!^{4-5+6}$
  $= 6^5 \times (4 - 3) + 2.$

- $7780 = 2^6 + 3^4 - 4^2 - 5^3 + 6^5$
  $= -2 + (3 \times \sqrt{4})^5 + 6$
  $= 6^5 + 4 \times (3 - 2).$

- $7790 = -2^4 - 3^3 - 4^2 + 5^6 - 6^5$
  $= 6^5 + 4 \times 3 + 2.$

- $7792 = 2^3 - 3^4 + 4^2 + 5^6 - 6^5$
  $= 6^5 + 4 \times (3! - 2).$

- $7798 = 2^6 - 3^4 + 4^3 - 5^2 + 6^5$
  $= 65 \times (\sqrt{4} + 3)! - 2.$

- $7810 = 2^4 + 3^2 - 4^3 + 5^6 - 6^5$
  $= 6^5 - \sqrt{4} + 3!^2.$

- $7812 = 2^6 + 3^4 + 4^2 - 5^3 + 6^5$
  $= (2^{3!} - \sqrt{4}) \times (5! + 6)$
  $= 6^5 + 4 + 32.$

- $7832 = -2^6 + 3^4 + 4^3 - 5^2 + 6^5$
  $= 6^5 + 4! + 32.$

- $7836 = 2^2 - 3^4 + 4^3 + 5^6 - 6^5$
  $= 6^5 + (\sqrt{4} + 3)!/2.$

- $7848 = 2^6 - 3^4 + 4^3 + 5^2 + 6^5$
  $= (654 \times 3!) \times 2.$

- $7854 = 2^4 - 3^3 + 4^2 + 5^6 - 6^5$
  $= (-2 + 3!! - 4) \times (5 + 6)$
  $= (6 + 5) \times (-4 + 3!! - 2).$

- $7862 = -2^2 + 3^4 - 4^3 + 5^6 - 6^5$
  $= 6^5 + 43 \times 2.$

- $7872 = 2^3 + 3^6 - 4^2 - 5^4 + 6^5$
  $= (2 \times (3!! - 4) - 5!) \times 6$
  $= 6 \times (-5! + (-4 + 3!!) \times 2).$

- $7876 = -2^4 + 3^3 + 4^2 + 5^6 - 6^5$
  $= ((2 \times 3)! - 4) \times (5 + 6)$
  $= 6^5 + (4 + 3!)^2.$

- $7900 = 2^6 - 3^4 + 4^2 + 5^3 + 6^5$
  $= (-2 + 3!!) \times \sqrt{4} \times 5 + 6!$
  $= 6^5 + 4 + (3 + 2)!.$

- $7904 = 2^3 + 3^6 + 4^2 - 5^4 + 6^5$
  $= 6^5 + 4 \times 32.$

- $7908 = 2^4 + 3^3 + 4^2 + 5^6 - 6^5$
  $= (-2 + 3!! \times \sqrt{4} - 5!) \times 6$
  $= 6 \times (-5! + \sqrt{4} \times 3!! - 2).$

- $7920 = 2^4 - 3^2 + 4^3 + 5^6 - 6^5$
  $= (\sqrt{2 + 34} + 5) \times 6!$
  $= (6 + 5) \times (\sqrt{4 + 32})!.$

- $7922 = 2^3 + 3^4 - 4^2 + 5^6 - 6^5$
  $= 2 - 3!! + \sqrt{4! + 5!} \times 6!$
  $= 6! \times 5 \times \sqrt{4} + 3!! + 2.$

- $7940 = -2^2 + 3^6 + 4^3 - 5^4 + 6^5$
  $= 2 \times (3!! + \sqrt{4}) \times 5 + 6!$
  $= 6! + 5 \times (4 + 3!! \times 2).$

- $7960 = 2^6 + 3^4 + 4^3 - 5^2 + 6^5$
  $= 2 \times (3!! + 4) \times 5 + 6!$
  $= 6! + 5 \times (4 + 3!!) \times 2.$

- $7962 = 2^6 - 3^2 + 4^4 - 5^3 + 6^5$
  $= -2 + (3!! + 4) \times (5 + 6)$
  $= (6 + 5) \times (4 + 3!!) - 2.$

- $7966 = -2^6 - 3^3 + 4^4 + 5^2 + 6^5$
  $= 2 + (3!! + 4) \times (5 + 6)$
  $= (6 + 5) \times (4 + 3!!) + 2.$

- $7980 = 2^6 + 3^2 + 4^4 - 5^3 + 6^5$
  $= (-2 + 3 \times 4!) \times (5! - 6)$
  $= (-6 + 5!) \times (4! \times 3 - 2).$

- $8062 = 2^6 + 3^4 + 4^2 + 5^3 + 6^5$
  $= -2 + 3! \times 4! \times 56$
  $= (6 + 5!) \times 4^3 - 2.$

- $8082 = 2^2 - 3^3 + 4^4 + 5^6 - 6^5$
  $= 6 \times (5^4 + 3!! + 2).$

- $8094 = 2^6 - 3^3 + 4^4 + 5^2 + 6^5$
  $= -6 + (5!/4 \times 3)^2.$

- $8106 = -2^3 + 3^2 + 4^4 + 5^6 - 6^5$
  $= 6 + (5!/4 \times 3)^2.$

- $8136 = 2^2 + 3^3 + 4^4 + 5^6 - 6^5$
  $= 6^{\sqrt{5^{\sqrt{4}}}} + 3!!/2.$

- $8148 = 2^6 + 3^3 + 4^4 + 5^2 + 6^5$
  $= 2 \times (34 \times 5! - 6)$
  $= 6^5 + (4! + 3!!)/2.$

- $8216 = -2^3 + 3^6 - 4^4 - 5^2 + 6^5$
  $= (\sqrt{6!/5} + 4^{3!}) \times 2.$

- $8370 = -2^2 + 3^6 - 4^4 + 5^3 + 6^5$
  $= (2 \times 3!! - 45) \times 6.$

- $8400 = -2^4 + 3^6 - 4^3 - 5^2 + 6^5$
  $= (2 \times 3 + 4) \times (5! + 6!)$
  $= 6! + 5! \times \sqrt{4} \times 32.$

- $8412 = 2^4 + 3^6 + 4^2 - 5^3 + 6^5$
  $= 2 \times 3! \times (-4! + 5 + 6!)$
  $= (6! + 5 - 4!) \times 3! \times 2.$

- $8450 = -2^4 + 3^6 - 4^3 + 5^2 + 6^5$
  $= 65^{-4+3!} \times 2.$

- $8494 = 2^2 - 3^3 + 4^6 + 5^5 + 6^4$
  $= -2 + (3 \times \sqrt{4})^5 + 6!$
  $= 6^5 - 4 + 3!! + 2.$

- $8500 = -2^3 - 3^2 + 4^6 + 5^5 + 6^4$
  $= 6^5 + 4 + (3 \times 2)!.$

- $8508 = 2^6 + 3^3 + 4^2 + 5^4 + 6^5$
  $= (2 + 3!^4 + 5!) \times 6.$

- $8518 = -2^3 + 3^2 + 4^6 + 5^5 + 6^4$
  $= 6^5 + 4! + 3!! - 2.$

- $8520 = 2^6 - 3^2 + 4^3 + 5^4 + 6^5$
  $= 2 \times (3!! - \sqrt{4} \times 5) \times 6$
  $= \sqrt{6! \times 5} \times (4! \times 3! - 2).$

- $8528 = -2^4 + 3^6 + 4^3 - 5^2 + 6^5$
  $= 2^{3!} \times (\sqrt{4} + 5!) + 6!.$

- $8578 = -2^4 + 3^6 + 4^3 + 5^2 + 6^5$
  $= -2 + 3 \times 4 \times (-5 + 6!)$
  $= (6! - 5) \times \sqrt{4} \times 3! - 2.$

- $8598 = -2^4 + 3^6 - 4^2 + 5^3 + 6^5$
  $= (2 \times 3!! - \sqrt{4} - 5) \times 6$
  $= 6 \times (-5 - \sqrt{4} + 3!! \times 2).$

- $8610 = 2^4 + 3^6 + 4^3 + 5^2 + 6^5$
  $= (-2 + 3!!) \times \sqrt{4! + 5!} - 6$
  $= -6 + \sqrt{5! + 4!} \times (3!! - 2).$

- $8630 = -2^4 + 3^6 + 4^2 + 5^3 + 6^5$
  $= 2 \times ((3 + 4)! - 5 - 6!)$
  $= (-6! - 5 + (4 + 3)!) \times 2.$

- $8632 = -2^2 + 3^6 + 4^4 - 5^3 + 6^5$
  $= 2 \times (3!! - 4 + 5 \times 6!)$
  $= (6! \times 5 - 4 + 3!!) \times 2.$

- $8640 = 2^2 + 3^6 + 4^4 - 5^3 + 6^5$
  $= (2^3 + 4) \times 5! \times 6$
  $= 6 \times (5 + 4 - 3)! \times 2.$

- $8662 = 2^4 + 3^6 + 4^2 + 5^3 + 6^5$
  $= \sqrt{6!/5} \times (\sqrt{4} + 3!!) - 2.$

- $9070 = 2^2 + 3^6 - 4^3 + 5^4 + 6^5$
  $= -2 + 3 \times 4! \times (5! + 6)$
  $= (6 + 5!) \times 4! \times 3 - 2.$

### 2.4.3 In Terms of Digits 3, 4, 5, 6 and 7

- $19 = -3^6 + 4^7 - 5^3 + 6^4 - 7^5$
  $= -3 - 45 + 67$
  $= 76 - 54 - 3.$

- $49 = 3^5 + 4^7 - 5^6 - 6^4 + 7^3$
  $= 3 + 45 - 6 + 7$
  $= 7 - 6 + 5 + 43.$

- $103 = -3^6 - 4^7 + 5^4 - 6^3 + 7^5$
  $= 34 \times 5 - 67$
  $= 76 + (5 + 4) \times 3.$

- $227 = -3^7 - 4^3 - 5^6 + 6^4 + 7^5$
  $= (34 + 5) \times 6 - 7$
  $= -7 - 6 + 5! + (\sqrt{4} + 3)!.$

- $263 = 3^7 - 4^6 + 5^5 - 6^4 + 7^3$
  $= -3 \times 4! + 5 \times 67$
  $= -7 + (6 + 5) \times 4! + 3!.$

- $269 = -3^6 + 4^7 + 5^3 + 6^4 - 7^5$
  $= 3! + 45 \times 6 - 7$
  $= -7 \times 65 + 4 + 3!!.$

- $311 = 3^6 - 4^7 - 5^4 - 6^3 + 7^5$
  $= 3 + 4 \times (5 + 6) \times 7$
  $= -7 - 6 + 54 \times 3!.$

- $355 = -3^7 + 4^3 - 5^6 + 6^4 + 7^5$
  $= 3 \times (-4! + 5!) + 67$
  $= 7 - 6 + (5! - \sqrt{4}) \times 3.$

- $423 = -3^7 + 4^6 - 5^5 + 6^4 + 7^3$
  $= 3 + (4 + 56) \times 7$
  $= 76 \times 5 + 43.$

- $437 = 3^5 - 4^7 + 5^6 + 6^4 - 7^3$
  $= 3!!/\sqrt{4} + (5 + 6) \times 7$
  $= 7 \times 65 - 4! + 3!.$

- $525 = -3^7 - 4^6 - 5^4 + 6^5 - 7^3$
  $= 3 \times (4! - 5 + 6) \times 7$
  $= 7 \times (6 + 5 + 4^3).$

- $533 = 3^7 - 4^4 + 5^6 - 6^3 - 7^5$
  $= -34 + 567$
  $= -7 + 6! - 5!/4 \times 3!.$

- $535 = -3^6 - 4^7 + 5^4 + 6^3 + 7^5$
  $= 3 + 4 \times (5! + 6 + 7)$
  $= (-7 + 6 \times 5)^{\sqrt{4}} + 3!.$

- $541 = 3^7 + 4^6 - 5^5 - 6^3 - 7^4$
  $= -3! + 4 \times 5! + 67$
  $= 7 + (65 + 4!) \times 3!.$

- $637 = -3^5 - 4^7 + 5^6 + 6^4 + 7^3$
  $= (-3 + 4!) \times 5 \times 6 + 7$
  $= -76 - 5 - \sqrt{4} + 3!!.$

- $715 = 3^6 + 4^7 + 5^4 - 6^3 - 7^5$
  $= 3 + 4 - 5 + 6! - 7$
  $= 7 + 6! - 5 - 4 - 3.$

- $743 = 3^6 - 4^7 - 5^4 + 6^3 + 7^5$
  $= -3 + 4! - 5 + 6! + 7$
  $= 7 \times 6 + 5 - 4! + 3!!.$

- $783 = 3^7 + 4^6 - 5^3 - 6^5 + 7^4$
  $= (3 \times \sqrt{4})! + 56 + 7$
  $= 7!/6 - 54 - 3.$

- $865 = -3^6 - 4^7 - 5^3 + 6^4 + 7^5$
  $= -3! + 4! + 5! + 6! + 7$
  $= (7! + 6! \times 5/4!)/3!.$

- $965 = 3^7 - 4^4 + 5^6 + 6^3 - 7^5$
  $= 3!! + \sqrt{4} \times (5! + 6) - 7$
  $= 7 \times 6!/5 - 43.$

- $969 = -3^7 + 4^6 - 5^5 - 6^3 + 7^4$
  $= 3 + (4! + 5! - 6) \times 7$
  $= 7 + (6 + 5! \times 4!)/3.$

- $973 = 3^7 + 4^6 - 5^5 + 6^3 - 7^4$
  $= (3! + \sqrt{4}) \times 5! + 6 + 7$
  $= 7 + 6! + 5! \times \sqrt{4} + 3!.$

- $1033 = 3^7 + 4^6 + 5^3 - 6^5 + 7^4$
  $= 3^{\sqrt{4}} \times (5! - 6) + 7$
  $= -7 + 6! + 5 \times 4^3.$

- $1045 = 3^7 + 4^4 + 5^6 - 6^3 - 7^5$
  $= (7 + 6) \times 5^{\sqrt{4}} + 3!!.$

- $1147 = 3^6 + 4^7 + 5^4 + 6^3 - 7^5$
  $= (3! + 4) \times (5! - 6) + 7$
  $= (7! + 6!)/5 - \sqrt{4} - 3.$

- $1183 = -3^5 - 4^7 + 5^6 - 6^3 + 7^4$
  $= 3!! + 456 + 7$
  $= 7 \times (6 + 5! + 43).$

- $1211 = -3^7 - 4^6 - 5^4 + 6^5 + 7^3$
  $= -3 + \sqrt{4} \times (-5! + 6! + 7)$
  $= (7 + 6! - 5!) \times \sqrt{4} - 3.$

- $1401 = -3^7 + 4^6 - 5^5 + 6^3 + 7^4$
  $= 3!! - \sqrt{4^5} + 6! - 7$
  $= (-7 - 6 + 5! \times 4) \times 3.$

- $1469 = -3^5 + 4^7 - 5^6 + 6^4 - 7^3$
  $= 3! \times (\sqrt{4} \times 5! + 6) - 7$
  $= (7 + 6) \times (5! - 4 - 3).$

- $1477 = 3^7 + 4^4 + 5^6 + 6^3 - 7^5$
  $= 3!! \times \sqrt{4} + 5 \times 6 + 7$
  $= 7 + 6! + 5!/4 + 3!!.$

- $1519 = 3^7 + 4^6 - 5^5 - 6^4 - 7^3$
  $= (3 + 4!) \times 56 + 7$
  $= 7 + (6 + 5!) \times 4 \times 3.$

- $1561 = 3^6 - 4^7 + 5^4 - 6^3 + 7^5$
  $= 3 - \sqrt{4} + 5! \times (6 + 7)$
  $= (7 + 65 \times 4! - 3!).$

- $1615 = -3^5 - 4^7 + 5^6 + 6^3 + 7^4$
  $= 3 + (4 + 5!) \times (6 + 7)$
  $= (7 + 6) \times (5! + 4) + 3.$

- $1669 = 3^5 - 4^7 + 5^6 - 6^3 + 7^4$
  $= 3 + \sqrt{4} \times (5! + 6! - 7)$
  $= 7! + 6! + 5 - 4^{3!}.$

- $1727 = 3^6 + 4^7 + 5^3 + 6^4 - 7^5$
  $= 7 + 6! + (5 \times \sqrt{4})^3.$

- $1775 = -3^7 - 4^6 + 5^4 + 6^5 - 7^3$
  $= 3!! \times \sqrt{4} + 5 \times 67.$

- $1955 = 3^5 + 4^7 - 5^6 + 6^4 - 7^3$
  $= -7 + 654 \times 3.$

- $1993 = 3^6 - 4^7 + 5^4 + 6^3 + 7^5$
  $= 3!! + (4! - 5) \times 67.$

- $2009 = 3^7 - 4^3 - 5^6 - 6^4 + 7^5$
  $= -3!! + 4! \times (5! - 6) - 7$
  $= -7 + (-6 + 5!) \times 4! - 3!!.$

- $2137 = 3^7 + 4^3 - 5^6 - 6^4 + 7^5$
  $= -3 - 4 \times (5 + 6!) + 7!$
  $= 7! - (6! + 5) \times 4 - 3.$

- $2155 = -3^5 + 4^7 - 5^6 + 6^4 + 7^3$
  $= -3!! \times 4 - 5 + 6! \times 7$
  $= 7 \times 6! - 5 - 4 \times 3!!.$

- $2169 = 3^7 - 4^6 + 5^5 + 6^4 - 7^3$
  $= 3 \times (-4 + 5! \times 6 + 7)$
  $= (7 + 6 \times 5! - 4) \times 3.$

- $2205 = 3^7 + 4^6 - 5^5 - 6^4 + 7^3$
  $= (-3^4 \times 5 + 6!) \times 7$
  $= 765 + \sqrt{4} \times 3!!.$

- $2573 = 3^6 - 4^7 + 5^3 + 6^4 + 7^5$
  $= -7 + \sqrt{6! \times 5} \times 43.$

- $2849 = -3^7 + 4^6 + 5^5 + 6^3 - 7^4$
  $= -3!! + 4 + 5 \times (6! - 7)$
  $= (-7 + 6!) \times 5 + 4! - 3!!.$

- $2855 = 3^7 - 4^6 + 5^5 + 6^4 + 7^3$
  $= 3 + 4 \times (5! \times 6 - 7)$
  $= -7 + 6 \times (5! \times 4 - 3).$

- $2897 = 3^7 - 4^4 - 5^6 - 6^3 + 7^5$
  $= -3!! + 4! + 5 \times 6! - 7$
  $= -7 + 6! \times 5 + 4! - 3!!.$

- $3329 = 3^7 - 4^4 - 5^6 + 6^3 + 7^5$
  $= -3 + 4 \times (5! + 6! - 7)$
  $= (-7 + 6! + 5!) \times 4 - 3.$

- $3395 = -3^7 + 4^6 + 5^5 - 6^4 - 7^3$
  $= (3 + 4!) \times (5! + 6) - 7$
  $= -7 + (6 + 5!) \times (4! + 3).$

- $3409 = 3^7 + 4^4 - 5^6 - 6^3 + 7^5$
  $= (3 + 4!) \times (5! + 6) + 7$
  $= 7 + (6 + 5!) \times (4! + 3).$

- $3591 = 3^7 - 4^6 + 5^3 + 6^5 - 7^4$
  $= -3! + 4 + 5 \times 6! - 7$
  $= -7 + 6! \times 5 + 4 - 3!.$

- $3619 = 3^5 + 4^7 - 5^6 + 6^3 + 7^4$
  $= 3 \times 4 + 5 \times 6! + 7$
  $= 7! - 6! - 5 + 4! - 3!!.$

- $3769 = -3^7 - 4^6 - 5^3 + 6^5 + 7^4$
  $= (7 + \sqrt{6! \times 5})^{\sqrt{4}} - 3!!.$

- $3833 = 3^7 - 4^6 + 5^5 + 6^3 + 7^4$
  $= -7 + \sqrt{6! \times 5} \times 4^3.$

- $4019 = -3^7 - 4^6 + 5^3 + 6^5 + 7^4$
  $= 3 - 4^5 + 6! \times 7$
  $= -7 \times (6 + 5) + 4^{3!}.$

- $4081 = -3^7 + 4^6 + 5^5 - 6^4 + 7^3$
  $= 34 \times 5! - 6 + 7.$

- $4111 = 3^7 + 4^6 - 5^5 + 6^4 - 7^3$
  $= 3!^{\sqrt{4}} \times (5! - 6) + 7.$

- $4601 = 3^7 - 4^3 - 5^6 + 6^4 + 7^5$
  $= -7 + 6^5/\sqrt{4} + 3!!.$

- $4797 = 3^7 + 4^6 - 5^5 + 6^4 + 7^3$
  $= -3 - 4 \times \sqrt{5 \times 6!} + 7!$
  $= 7 \times 6! - 5! \times \sqrt{4} - 3.$

- $4899 = 3^7 - 4^6 - 5^4 + 6^5 - 7^3$
  $= -3 \times 45 - 6 + 7!$
  $= 7! + 6 - 5! - 4! - 3.$

- $5063 = -3^7 - 4^4 + 5^6 - 6^5 - 7^3$
  $= 34 - 5 - 6 + 7!$
  $= 7! + 6 + 5 \times 4 - 3.$

- $5343 = 3^7 + 4^6 - 5^5 - 6^3 + 7^4$
  $= 7! + (6! - 5!)/\sqrt{4} + 3.$

- $5575 = -3^7 + 4^4 + 5^6 - 6^5 - 7^3$
  $= -3!!/4 - 5 + 6! + 7!.$

- $5585 = 3^7 - 4^6 - 5^4 + 6^5 + 7^3$
  $= -3!!/4 + 5 + 6! + 7!$
  $= 7 \times (6! - 5^{\sqrt{4}}) + 3!!.$

- $5749 = -3^7 - 4^4 + 5^6 - 6^5 + 7^3$
  $= -3 \times \sqrt{4} - 5 + 6! + 7!$
  $= 7! - 6 - 5 + (\sqrt{4} \times 3)!.$

- $5775 = 3^7 + 4^6 - 5^5 + 6^3 + 7^4$
  $= 3!! + 4 + 5 + 6 + 7!$
  $= 7! + 6! + 5 + 4 + 3!.$

- $7061 = 3^6 + 4^7 + 5^3 - 6^5 - 7^4$
  $= 3!^4 + 5 + 6! + 7!$
  $= 7 + 6^5 - \sqrt{4} - 3!!.$

- $7441 = 3^4 - 4^7 + 5^6 + 6^5 + 7^3$
  $= 7 \times (6! + (5 + \sqrt{4})^3).$

- $7571 = 3^7 - 4^3 + 5^6 - 6^5 - 7^4$
  $= (-3 - 4 + 5!) \times 67.$

- $7651 = -3^7 + 4^6 + 5^5 + 6^3 + 7^4$
  $= 7654 - 3.$

- $7699 = 3^7 + 4^3 + 5^6 - 6^5 - 7^4$
  $= 7!/6 + (-5 + 4!)^3.$

- $7769 = 3^7 + 4^6 + 5^5 - 6^4 - 7^3$
  $= -3 + (-4 + 5!) \times 67$
  $= (-7 + 6^5) \times (4 - 3).$

- $7999 = -3^7 - 4^3 + 5^6 - 6^5 + 7^4$
  $= -7 + 6 + (5 \times 4)^3.$
- $8393 = 3^7 - 4^6 + 5^3 + 6^5 + 7^4$
  $= (3! + 4) \times (5! + 6!) - 7$
  $= -7 + (6! + 5!) \times (4 + 3!).$
- $9353 = -3^7 - 4^6 + 5^3 - 6^4 + 7^5$
  $= (-3! + 4! - 5) \times 6! - 7$
  $= -7 + 65 \times 4! \times 3!.$
- $10115 = -3^7 - 4^6 - 5^4 + 6^3 + 7^5$
  $= ((3 \times \sqrt{4})! + 5 + 6!) \times 7$
  $= 7 \times (6! + 5) + (4 + 3)!.$
- $10123 = 3^7 - 4^4 + 5^6 - 6^5 + 7^3$
  $= 3 + \sqrt{4} \times (5!/6 + 7!).$
- $10305 = 3^6 + 4^7 + 5^4 - 6^5 + 7^3$
  $= -3 + \sqrt{4} \times (5! - 6 + 7!)$
  $= (7! - 6 + 5!) \times \sqrt{4} - 3.$
- $10361 = 3^7 + 4^6 + 5^5 + 6^4 - 7^3$
  $= -7 + 6!/5 \times 4! \times 3.$

### 2.4.4 In Terms of Digits 4, 5, 6, 7 and 8

- $1102 = -4^8 + 5^7 - 6^6 + 7^4 + 8^5$
  $= -8 + (7! - 6! + 5!)/4.$
- $1840 = -4^5 - 5^8 + 6^7 + 7^6 - 8^4$
  $= -8 + 7 \times (6 + 5) \times 4!$
  $= 4! \times (5 + 6) \times 7 - 8.$
- $3888 = 4^5 - 5^8 + 6^7 + 7^6 - 8^4$
  $= (8 - 7) \times 6^5/\sqrt{4}.$
- $5460 = -4^8 - 5^7 - 6^4 + 7^6 + 8^5$
  $= ((8 + 7) \times 6! + 5!)/\sqrt{4}.$
- $8052 = -4^8 - 5^7 + 6^4 + 7^6 + 8^5$
  $= 4 + 5! \times 67 + 8.$
- $10032 = -4^5 - 5^8 + 6^7 + 7^6 + 8^4$
  $= \sqrt{4} \times (-5!/6 + 7!) - 8.$

## 2.5 Triple Representations of Numbers: Width 6

This section deals with the representations of natural numbers using five digits each time, i.e., width 4. By width 5, we understand that we use in sequence of digits, like, [1, 2, 3, 4, 5, 6], [2, 3, 4, 5, 6, 7], .... [4, 5, 6, 7, 8, 9]. Three digits are used in three different ways. Two ways are based on subsection 1.1 , i.e., in increasing and decreasing order of digits. The third way is based on the subsection 1.2 . We observed that the numbers obtained up to 1111 are only in terms of digits [1, 2, 3, 4, 5, 6], [2, 3, 4, 5, 6, 7], and [3, 4, 5, 6, 7, 8].

### 2.5.1 In Terms of Digits 1, 2, 3, 4, 5 and 6

- $1 = 1^6 + 2^4 - 3^5 + 4^2 - 5^1 + 6^3$
  $= 1^{23456}$
  $= 65 - 43 - 21.$
- $3 = 1^5 - 2^6 - 3^4 + 4^2 + 5^3 + 6^1$
  $= 12/(34 - 5 \times 6)$
  $= 6 \times 54 - 321.$
- $5 = 1^6 - 2^5 + 3^4 - 4^3 + 5^2 - 6^1$
  $= -1^{2345} + 6$
  $= 6 - (5 - 4)^{321}.$
- $7 = 1^6 + 2^5 + 3^2 - 4^4 + 5^1 + 6^3$
  $= 1^2345 + 6$
  $= 6 + (5 - 4)^{321}.$
- $9 = -1^6 + 2^4 - 3^5 + 4^2 + 5^1 + 6^3$
  $= 1 \times 23 - 4 \times 5 + 6$
  $= 6 - 54/3 + 21.$
- $11 = 1^6 + 2^4 - 3^5 + 4^2 + 5^1 + 6^3$
  $= 123 - \sqrt{4} \times 56$
  $= (65 - 43)/2 \times 1.$
- $13 = 1^6 - 2^5 + 3^2 + 4^4 - 5^1 - 6^3$
  $= (123 - 45)/6$
  $= -6 + 5 - 4 - 3 + 21.$
- $15 = -1^6 - 2^5 + 3^4 - 4^3 + 5^2 + 6^1$
  $= 1 + 2 - 3 + 4 + 5 + 6$
  $= 6^{-5+4+3} - 21.$
- $17 = 1^6 - 2^5 + 3^4 - 4^3 + 5^2 + 6^1$
  $= -1 + 23 - 4 + 5 - 6$
  $= 6^5/432 - 1.$
- $19 = 1^6 + 2^4 - 3^5 + 4^1 + 5^2 + 6^3$
  $= (123 - 4 - 5)/6$
  $= 65 - 43 - 2 - 1.$
- $21 = 1^6 + 2^5 + 3^4 - 4^1 - 5^3 + 6^2$
  $= 12 \times 3 - 4 - 5 - 6$
  $= 65 - 43 - 2 + 1.$
- $23 = 1^6 - 2^5 + 3^2 + 4^4 + 5^1 - 6^3$
  $= 1^2 - 34 + 56$
  $= 6 - 5 + 43 - 21.$

- $25 = 1^6 - 2^3 - 3^5 + 4^4 + 5^2 - 6^1$
  $= 1 + 2 - 34 + 56$
  $= 6 + 54/3 + 2 - 1.$

- $27 = 1^6 - 2^5 + 3^4 - 4^3 + 5^1 + 6^2$
  $= 12/3 \times 4 + 5 + 6$
  $= 6 + 54 - 32 - 1.$

- $29 = 1^6 + 2^5 + 3^4 + 4^1 - 5^3 + 6^2$
  $= 12 \times 3 + 4 - 5 - 6$
  $= 65 - 4 - 32 \times 1.$

- $31 = 1^6 - 2^5 - 3^1 + 4^4 + 5^2 - 6^3$
  $= 12 \times 3 - 4 + 5 - 6$
  $= (654 - 3)/21.$

- $33 = -1^6 - 2^5 - 3^4 + 4^2 + 5^3 + 6^1$
  $= 1^2 \times 34 + 5 - 6$
  $= 6 + 5 + 43 - 21.$

- $35 = 1^6 - 2^5 - 3^4 + 4^2 + 5^3 + 6^1$
  $= 12 + 34 - 5 - 6$
  $= 65 + \sqrt{4} - 32 \times 1.$

- $37 = 1^6 - 2^3 - 3^5 + 4^4 + 5^2 + 6^1$
  $= 1^2 - 3 + 45 - 6$
  $= (6 - 5) \times 4 + 32 + 1.$

- $39 = 1^5 + 2^6 + 3^2 - 4^4 + 5^1 + 6^3$
  $= 1^{23} \times 45 - 6$
  $= 6 + 5 - 4 + 32 \times 1.$

- $41 = -1^5 + 2^6 + 3^4 + 4^2 - 5^3 + 6^1$
  $= 123/(4 + 5 - 6)$
  $= (6 - 5) \times 43 - 2 \times 1.$

- $43 = 1^5 + 2^6 + 3^4 + 4^2 - 5^3 + 6^1$
  $= 12/3 + 45 - 6$
  $= 65 - 43 + 21.$

- $45 = -1^6 + 2^5 - 3^4 + 4^3 + 5^2 + 6^1$
  $= 12 + 34 + 5 - 6$
  $= 65 + 4 - 3 - 21.$

- $47 = 1^6 - 2^3 - 3^5 + 4^4 + 5^1 + 6^2$
  $= 12 + 34 - 5 + 6$
  $= 65 - 4 \times 3 - (2 + 1)!.$

- $49 = 1^4 + 2^6 - 3^5 + 4^2 - 5^1 + 6^3$
  $= 1^2 - 3 + 45 - 6$
  $= \sqrt{6 \times 54} + 32 - 1.$

- $51 = -1^5 + 2^6 + 3^4 - 4^1 - 5^3 + 6^2$
  $= 12 \times 3 + 4 + 5 + 6$
  $= 6 + 54 - 3^2 \times 1.$

- $53 = 1^6 + 2^3 - 3^5 + 4^4 + 5^2 + 6^1$
  $= 1^2 3 - 4 + 56$
  $= (65 + 43)/2 - 1.$

- $55 = 1^6 + 2^4 + 3^5 + 4^2 - 5^1 - 6^3$
  $= 12/3 + 45 + 6$
  $= (65 + 43)/2 + 1.$

- $57 = 1^6 + 2^5 - 3^4 + 4^3 + 5^1 + 6^2$
  $= 1^{234} + 56$
  $= 65 - \sqrt{43 + 21}.$

- $59 = 1^4 + 2^6 - 3^5 + 4^2 + 5^1 + 6^3$
  $= 12 - \sqrt{3^4} + 56$
  $= 65 - 4 - 3 + 2 - 1.$

- $61 = 1^5 + 2^6 + 3^4 + 4^1 - 5^3 + 6^2$
  $= 1^2 3 + 4 + 56$
  $= 6 \times 5 \times 4/3 + 21.$

- $63 = 1^6 + 2^3 - 3^5 + 4^4 + 5^1 + 6^2$
  $= 123 - 4 - 56$
  $= 65 - 4 + 3 - 2 + 1.$

- $65 = 1^6 + 2^4 + 3^5 + 4^2 + 5^1 - 6^3$
  $= 123 - \sqrt{4} - 56$
  $= 6 - 5 + 43 + 21.$

- $67 = 1^4 + 2^6 - 3^5 + 4^1 + 5^2 + 6^3$
  $= 12 + 3 - 4 + 56$
  $= 65 + 4 - 3 + 2 - 1.$

- $69 = 1^6 + 2^5 + 3^4 - 4^3 + 5^2 - 6^1$
  $= 12 - 3 + 4 + 56$
  $= 6 + 54 + 3^2 \times 1.$

- $71 = -1^6 + 2^4 + 3^5 + 4^1 + 5^2 - 6^3$
  $= 123 + 4 - 56$
  $= 65 + 4! + 3 - 21.$

- $73 = 1^6 + 2^4 + 3^5 + 4^1 + 5^2 - 6^3$
  $= -1 + 23 + 45 + 6$
  $= 65 + \sqrt{43 + 21}.$

- $75 = -1^2 - 2^5 - 3^6 - 4^1 + 5^4 + 6^3$
  $= 12 + 3 + 4 + 56$
  $= 6 + 5 + 43 + 21.$

- $77 = 1^6 + 2^5 + 3^2 + 4^4 - 5^1 - 6^3$
  $= (-1 + 23) \times 4 - 5 - 6$
  $= 65 + 4 \times 3 \times (2 - 1).$

- $79 = 1^5 + 2^6 - 3^4 + 4^3 + 5^2 + 6^1$
  $= 1 \times 2 \times 34 + 5 + 6$
  $= 65 - 4 - 3 + 21.$

- $81 = 1^6 + 2^5 + 3^4 - 4^3 + 5^2 + 6^1$
  $= 1 \times 23 \times 4 - 5 - 6$
  $= (6 + 5 \times (4 + 3)) \times 2 - 1.$

- $83 = -1^2 - 2^5 - 3^6 + 4^1 + 5^4 + 6^3$
  $= 1^2 + 3^4 - 5 + 6$
  $= (6 + 54 \times 3)/2 - 1.$

- $85 = 1^2 - 2^5 - 3^6 + 4^1 + 5^4 + 6^3$
  $= 1 \times 2 + 3 + 4! + 56$
  $= 65 - 4 + 3 + 21.$

- $87 = 1^6 + 2^5 + 3^2 + 4^4 + 5^1 - 6^3$
  $= 12 \times 3 + 45 + 6$
  $= 65 + 43 - 21.$

- $89 = 1^5 + 2^6 - 3^4 + 4^3 + 5^1 + 6^2$
  $= 1 - 2 + 34 + 56$
  $= 6 + 5 \times 4 + 3 \times 21.$

- $91 = 1^6 + 2^5 + 3^4 - 4^3 + 5^1 + 6^2$
  $= 1^2 + 34 + 56$
  $= 6 + 54 + 32 - 1.$

- $93 = 1^5 - 2^6 - 3^4 + 4^2 + 5^1 + 6^3$
  $= 1 + 2 + 34 + 56$
  $= 6 + 54 + 32 + 1.$

- $95 = 1^6 + 2^5 - 3^1 + 4^4 + 5^2 - 6^3$
  $= 123 + \sqrt{4} - 5 \times 6$
  $= 65 - \sqrt{4} + 32 \times 1.$

- $97 = 1^3 + 2^6 - 3^5 + 4^4 + 5^2 - 6^1$
  $= 1 + 2 + 34 + \sqrt{5 \times 6!}$
  $= 65 \times \sqrt{4} - 32 - 1.$

- $99 = -1^5 + 2^6 + 3^4 - 4^3 + 5^2 - 6^1$
  $= (-1 + 23) \times 4 + 5 + 6$
  $= 65 \times \sqrt{4} - 32 + 1.$

- $101 = 1^6 + 2^5 + 3^1 + 4^4 + 5^2 - 6^3$
  $= -123 + 4 \times 56$
  $= 65 + 4 + 32 \times 1.$

- $103 = 1^4 + 2^6 + 3^5 + 4^2 - 5^1 - 6^3$
  $= 1 \times 23 \times 4 + 5 + 6$
  $= (6 \times 5 + 4) \times 3 + 2 - 1.$

- $105 = 1^5 - 2^2 - 3^6 - 4^1 + 5^4 + 6^3$
  $= -12 + 3 \times (45 - 6)$
  $= 65 + 43 - 2 - 1.$

- $107 = -1^3 + 2^6 - 3^5 + 4^4 + 5^2 + 6^1$
  $= 1 + 2 \times 3^4 - 56$
  $= 65 + 43 - 2 + 1.$

- $109 = 1^3 + 2^6 - 3^5 + 4^4 + 5^2 + 6^1$
  $= 123 - 4 \times 5 + 6$
  $= 65 + 43 + 2 - 1.$

- $111 = -1^5 + 2^6 + 3^4 - 4^3 + 5^2 + 6^1$
  $= 1^2 3 - 4 + 5! - 6$
  $= 65 + 43 + 2 + 1.$

- $113 = 1^5 + 2^6 + 3^4 - 4^3 + 5^2 + 6^1$
  $= 1^2 \times 3 - 4 + 5! - 6$
  $= 6 + 5! - 4 \times 3 - 2 + 1.$

- $115 = 1^6 - 2^5 + 3^2 + 4^4 - 5^3 + 6^1$
  $= 1 \times 2 \times 345/6$
  $= 6 \times 5 \times 4 - 3 \times 2 + 1.$

- $117 = -1^3 + 2^6 - 3^5 + 4^4 + 5^1 + 6^2$
  $= 123 + (4 - 5) \times 6$
  $= 6 \times 5 + 43 \times 2 + 1.$

- $119 = 1^3 + 2^6 - 3^5 + 4^4 + 5^1 + 6^2$
  $= 1 \times 2 - \sqrt{3^4} + 5! + 6$
  $= 6!/5 + \sqrt{4} - 3^{2+1}.$

- $121 = -1^5 + 2^6 + 3^4 - 4^3 + 5^1 + 6^2$
  $= 123 + \sqrt{4} \times (5 - 6)$
  $= 65 + 4! + 32 \times 1.$

- $123 = 1^5 + 2^6 + 3^4 - 4^3 + 5^1 + 6^2$
  $= 123 \times (4 - 5)^6$
  $= 6 + 54 + 3 \times 21.$

- $125 = -1^5 + 2^6 - 3^1 + 4^4 + 5^2 - 6^3$
  $= 123 + \sqrt{4} \times (-5 + 6)$
  $= 6 \times 5 \times 4 + 3 \times 2 - 1.$

- $127 = 1^5 + 2^6 - 3^1 + 4^4 + 5^2 - 6^3$
  $= 123 + 4 \times (-5 + 6)$
  $= (6 + 5)^{\sqrt{4}} + 3 \times 2 \times 1.$

- $129 = -1^5 + 2^1 - 3^6 + 4^2 + 5^4 + 6^3$
  $= 12 + 3 \times (45 - 6)$
  $= 65 + 43 + 21.$

- $131 = -1^5 + 2^6 + 3^1 + 4^4 + 5^2 - 6^3$
  $= -1 + (-23 + 45) \times 6$
  $= 6 \times (54 - 32) - 1.$

- $133 = 1^6 - 2^5 - 3^1 + 4^4 - 5^3 + 6^2$
  $= 12 \times 3 \times 4 - 5 - 6$
  $= 6 \times (54 - 32) + 1.$

- $135 = 1^5 + 2^3 + 3^6 + 4^2 - 5^4 + 6^1$
  $= (12 + 3) \times (\sqrt{4 + 5} + 6)$
  $= -6 + 54 \times 3 - 21.$

- $137 = 1^6 + 2^2 - 3^5 + 4^4 + 5^3 - 6^1$
  $= 123 + 4 \times 5 - 6$
  $= 65 + 4 \times (-3 + 21).$

- $139 = 1^6 - 2^5 + 3^1 + 4^4 - 5^3 + 6^2$
  $= 1 \times 2 + 3^4 + 56$
  $= 6 + 5! + 4 \times 3 + 2 - 1.$

- $141 = 1^6 - 2^2 - 3^5 + 4^4 + 5^3 + 6^1$
  $= 12 + 3 \times 45 - 6$
  $= \sqrt{6!/5} + 43 \times (2 + 1).$

- $143 = -1^6 - 2^5 + 3^4 + 4^3 + 5^2 + 6^1$
  $= 12 \times 3 \times 4 + 5 - 6$
  $= 6 + (5 + 4^3) \times 2 - 1.$

- $145 = 1^6 - 2^5 + 3^4 + 4^3 + 5^2 + 6^1$
  $= 1 \times 23 - 4 + 5! + 6$
  $= 6 + (5 + 4^3) \times 2 + 1.$

- $147 = -1^2 + 2^5 - 3^6 + 4^1 + 5^4 + 6^3$
  $= -1 + 23 \times 4 + 56$
  $= ((6 - 5) \times 4 + 3) \times 21.$

- $149 = 1^6 + 2^2 - 3^5 + 4^4 + 5^3 + 6^1$
  $= 123 + \sqrt{4^5} - 6$
  $= 6!/5 + 4 + 3 - 2 \times 1.$

- $151 = 1^6 + 2^1 + 3^5 - 4^4 + 5^3 + 6^2$
  $= -1 + (-2 + 3!) \times 4! + 56$
  $= 65 + 43 \times 2 \times 1.$

- $153 = -1^6 - 2^5 + 3^4 + 4^3 + 5^1 + 6^2$
  $= 12 + 3 \times 45 + 6$
  $= 6!/5 + 4 + 3 + 2 \times 1.$

- $155 = 1^6 - 2^5 + 3^4 + 4^3 + 5^1 + 6^2$
  $= 12 \times 3 \times 4 + 5 + 6$
  $= (-6 + 5!) \times 4/3 + 2 + 1.$

- $157 = 1^6 + 2^4 + 3^5 + 4^2 - 5^3 + 6^1$
  $= 12 + 3! \times 4! - 5 + 6$
  $= 6 + 5! + 4 + 3! + 21.$

- $159 = 1^6 + 2^1 + 3^2 - 4^5 - 5^3 + 6^4$
  $= 1 + 2^{3+4} + 5 \times 6$
  $= (6 + 54) \times 3 - 21.$

- $161 = 1^1 + 2^5 - 3^6 + 4^2 + 5^4 + 6^3$
  $= 123 + \sqrt{4^5} + 6$
  $= 65 + 4 \times (3 + 21).$

- $163 = -1^5 - 2^6 + 3^4 + 4^2 + 5^3 + 6^1$
  $= 1 + 2 \times 3^4 \times (-5 + 6)$
  $= 6 + 5! + 4 + 32 + 1.$

- $165 = 1^5 - 2^6 + 3^4 + 4^2 + 5^3 + 6^1$
  $= (1 + 2) \times (3 - 4 + 56)$
  $= 6 + 54 \times 3 - 2 - 1.$

- $167 = 1^6 + 2^4 + 3^5 - 4^1 - 5^3 + 6^2$
  $= -1 + 2 \times (3 + 4!) + 5! - 6$
  $= 6!/5 + 4! - 3 + 2 \times 1.$

- $169 = -1^2 - 2^6 - 3^5 + 4^4 + 5^1 + 6^3$
  $= (-1 + 2 + 34) \times 5 - 6$
  $= 6!/5 + 4! + 3 - 2 \times 1.$

- $171 = 1^2 - 2^6 - 3^5 + 4^4 + 5^1 + 6^3$
  $= (1 - 2) \times 3 + (4! + 5) \times 6$
  $= 6 \times (54 + 3)/2 \times 1.$

- $173 = 1^6 - 2^1 - 3^5 + 4^4 + 5^3 + 6^2$
  $= 1 \times 2 \times 3^4 + 5 + 6$
  $= 6!/5 + \sqrt{4} + 3^{2+1}.$

- $175 = 1^6 + 2^4 + 3^5 + 4^1 - 5^3 + 6^2$
  $= 123 - 4 + 56$
  $= 6! - 543 - 2 \times 1.$

- $177 = 1^6 + 2^1 - 3^5 + 4^4 + 5^3 + 6^2$
  $= 123 + (4 + 5) \times 6$
  $= (6! - 543) \times (2 - 1).$

- $179 = 1^6 + 2^5 + 3^2 + 4^4 - 5^3 + 6^1$
  $= 1 + 234 - 56$
  $= (6 + 54) \times 3 - 2 + 1.$

- $181 = 1^6 - 2^1 - 3^5 + 4^2 + 5^4 - 6^3$
  $= 123 + \sqrt{4} + 56$
  $= (6 + 54) \times 3 + 2 - 1.$

- $183 = 1^5 - 2^6 + 3^4 + 4^1 + 5^3 + 6^2$
  $= 123 + 4 + 56$
  $= (65 - 4) \times 3 \times (2 - 1).$

- $185 = 1^6 - 2^5 + 3^4 + 4^2 + 5^3 - 6^1$
  $= 1 + 2^{3+4} + 56$
  $= 6 + 5 \times (4 + 32) - 1.$

- $187 = -1^6 + 2^5 - 3^4 + 4^2 + 5^1 + 6^3$
  $= 1 + (2 + 34) \times 5 + 6$
  $= 6 + 5 \times (4 + 32) + 1.$

- $189 = 1^6 + 2^5 - 3^4 + 4^2 + 5^1 + 6^3$
  $= (1 + 2) \times (3 + 4 + 56)$
  $= 6 + 54 \times 3 + 21.$

- $191 = 1^1 - 2^6 - 3^5 + 4^4 + 5^2 + 6^3$
  $= 12 + 3!!/4 + 5 - 6$
  $= 6 \times (5 - 4) \times 32 - 1.$

- $193 = 1^4 + 2^6 + 3^5 + 4^2 - 5^3 - 6^1$
  $= 12 + 3!!/4 - 5 + 6$
  $= 65 + 4 \times 32 \times 1.$

- $195 = -1^6 - 2^5 + 3^4 + 4^2 + 5^3 + 6^1$
  $= 1 \times 234 \times 5/6$
  $= -6 - 5 \times 4! + 321.$

- $197 = 1^6 - 2^5 + 3^4 + 4^2 + 5^3 + 6^1$
  $= 1 \times 23 + (4! + 5) \times 6$
  $= 654/3 - 21.$

- $199 = 1^5 + 2^6 + 3^2 + 4^4 - 5^3 - 6^1$
  $= -1 + 2 \times 3 \times 4! + 56$
  $= -6 + 5! + 43 \times 2 - 1.$

- $201 = -1^6 + 2^5 + 3^1 + 4^4 - 5^3 + 6^2$
  $= (1 + 2)! + 3^4 + 5! - 6$
  $= (6 + 54) \times 3 + 21.$

- $203 = 1^6 + 2^5 + 3^1 + 4^4 - 5^3 + 6^2$
  $= 123 + 4! + 56$
  $= 6!/5 - 4 + 3 \times 21.$

- $205 = 1^4 + 2^6 + 3^5 + 4^2 - 5^3 + 6^1$
  $= 1 + 234 - 5 \times 6$
  $= 6 - 5! - \sqrt{4} + 321.$

- $207 = 1^6 - 2^5 + 3^4 - 4^1 + 5^3 + 6^2$
  $= -1 - 2 + 3!^{-\sqrt{4}+5} - 6$
  $= 6 \times 5 \times (4 + 3) - 2 - 1.$

- $209 = 1^6 + 2^5 + 3^4 + 4^3 + 5^2 + 6^1$
  $= (12 + 3 + 4) \times (5 + 6)$
  $= (65 + 4) \times 3 + 2 \times 1.$

- $211 = 1^5 + 2^6 + 3^2 + 4^4 - 5^3 + 6^1$
  $= (1 + 2)!^3 - 4 + 5 - 6$
  $= 6!/5 + 4 + 3 \times 21.$

- $213 = -1^6 - 2^5 + 3^4 + 4^1 + 5^3 + 6^2$
  $= 1 \times 23 \times (4 + 5) + 6$
  $= 6 \times (5 + 4! + 3) + 21.$

- $215 = 1^6 - 2^5 + 3^4 + 4^1 + 5^3 + 6^2$
  $= 1 + 234 - 5!/6$
  $= 654/3 - 2 - 1.$

- $217 = 1^6 - 2^5 - 3^3 + 4^4 + 5^2 - 6^1$
  $= -1 + 2 \times 3^4 + 56$
  $= 654/3 - 2 + 1.$

- $219 = 1^6 + 2^5 + 3^4 + 4^3 + 5^1 + 6^2$
  $= 1 + 2 \times 3^4 + 56$
  $= 654/3 + 2 - 1.$

- $221 = 1^1 + 2^6 + 3^2 - 4^5 - 5^3 + 6^4$
  $= (1 - 2) \times 3 + 4 \times 56$
  $= 654/3 + 2 + 1.$

- $223 = 1^4 + 2^6 + 3^5 + 4^1 - 5^3 + 6^2$
  $= 1 \times 234 - 5 - 6$
  $= 6 + 5 - 4 + 3!^{2+1}.$

- $225 = -1^6 + 2^4 + 3^5 - 4^3 + 5^2 + 6^1$
  $= 1^{23} + 4 \times 56$
  $= 6!/5 \times \sqrt{4} - 3 \times 21.$

- $227 = 1^6 + 2^4 + 3^5 - 4^3 + 5^2 + 6^1$
  $= 1 - 2 - 3! + \sqrt{4} \times 5! - 6$
  $= 65 \times 4 - 32 - 1.$

- $229 = 1^6 - 2^5 - 3^3 + 4^4 + 5^2 + 6^1$
  $= 1 \times (23 + 4!) \times 5 - 6$
  $= 65 \times 4 - 32 + 1.$

- $231 = 1^6 - 2^2 - 3^5 + 4^4 + 5^1 + 6^3$
  $= -1 - 2 + (34 + 5) \times 6$
  $= (6 + 5 - 4) \times (32 + 1).$

- $233 = -1^5 + 2^6 + 3^1 + 4^4 - 5^3 + 6^2$
  $= 1 \times 234 + 5 - 6$
  $= 65 \times 4 - 3^{2+1}.$

- $235 = 1^5 + 2^6 + 3^1 + 4^4 - 5^3 + 6^2$
  $= 1 \times 234 - 5 + 6$
  $= (6 \times 5 \times 4 - 3) \times 2 + 1.$

- $237 = -1^1 + 2^6 - 3^5 + 4^4 + 5^3 + 6^2$
  $= 1 + 2 + (34 + 5) \times 6$
  $= -6 + 5! + \sqrt{4} + (3 + 2)! + 1.$

- $239 = -1^5 + 2^6 + 3^4 + 4^3 + 5^2 + 6^1$
  $= 1 + 2 + 3!!/4 + 56$
  $= 654/3 + 21.$

- $241 = 1^5 + 2^6 + 3^4 + 4^3 + 5^2 + 6^1$
  $= 123 + 4 + 5! - 6$
  $= -6!/(5 + 4) + 321.$

- $243 = -1^5 - 2^6 + 3^4 + 4^2 - 5^1 + 6^3$
  $= 123 + 4 \times 5 \times 6$
  $= (6! + 5 + 4)/\sqrt{3^2} \times 1.$

- $245 = 1^6 + 2^2 - 3^3 - 4^5 - 5^1 + 6^4$
  $= 1 \times 234 + 5 + 6$
  $= 6! + 5 - 4 \times (3 + 2)! \times 1.$

- $247 = 1^1 + 2^6 - 3^5 + 4^2 + 5^4 - 6^3$
  $= 123 - \sqrt{4} + 5! + 6$
  $= (65 - 4!) \times 3! + 2 - 1.$

- $249 = -1^5 + 2^6 + 3^4 + 4^3 + 5^1 + 6^2$
  $= 1 \times (2 - 3 + 4)^5 + 6$
  $= (6 + 5! - 43) \times (2 + 1).$

- $251 = 1^5 + 2^6 + 3^4 + 4^3 + 5^1 + 6^2$
  $= 123 + \sqrt{4} + 5! + 6$
  $= (-6 + 5! + 4 \times 3) \times 2 - 1.$

- $253 = 1^6 - 2^1 - 3^5 + 4^4 + 5^2 + 6^3$
  $= -1 + 234 + 5!/6$
  $= (-6 + 5! + 4 \times 3) \times 2 + 1.$

- $255 = 1^6 + 2^2 - 3^3 - 4^5 + 5^1 + 6^4$
  $= -12 - 3 + 45 \times 6$
  $= 65 \times 4 - 3 \times 2 + 1.$

- $257 = 1^6 + 2^1 - 3^5 + 4^4 + 5^2 + 6^3$
  $= 1 + 2^{(3+45)/6}$
  $= (65 + 4^3) \times 2 - 1.$

- $259 = -1^6 + 2^5 + 3^4 + 4^2 + 5^3 + 6^1$
  $= -1 + (2 + 3) \times (-4 + 56)$
  $= (65 + 4^3) \times 2 + 1.$

- $261 = 1^6 + 2^5 + 3^4 + 4^2 + 5^3 + 6^1$
  $= -12 + 3 + 45 \times 6$
  $= -6 - 54 + 321.$

- $263 = 1^4 + 2^6 + 3^5 - 4^3 + 5^2 - 6^1$
  $= 1 - 2^3 + 45 \times 6$
  $= (6 + 5) \times 4 \times 3 \times 2 - 1.$

- $265 = -1^6 + 2^3 - 3^2 - 4^5 - 5^1 + 6^4$
  $= 1 + 234 + 5 \times 6$
  $= 6!/5 + \sqrt{4} + (3 + 2)! - 1.$

- $267 = -1^6 - 2^1 - 3^3 - 4^5 + 5^2 + 6^4$
  $= (1 - 2) \times 3 + 45 \times 6$
  $= 6 \times (5 + 43) - 21.$

- $269 = 1^6 - 2^1 - 3^3 - 4^5 + 5^2 + 6^4$
  $= 1 \times 2 - 3 + 45 \times 6$
  $= 65 \times 4 + 3^2 \times 1.$

- $271 = 1^6 + 2^5 + 3^4 - 4^1 + 5^3 + 6^2$
  $= 1^2 3 + 45 \times 6$
  $= 6! - 5! \times 4 + 32 - 1.$

- $273 = 1^6 + 2^1 - 3^3 - 4^5 + 5^2 + 6^4$
  $= (1 + 2)^{3!} - 456$
  $= 6 - 54 + 321.$

- $275 = 1^4 + 2^6 + 3^5 - 4^3 + 5^2 + 6^1$
  $= 1 \times 2 + 3 + 45 \times 6$
  $= 6 + 54 \times (3 + 2) - 1.$

- $277 = 1^6 - 2^5 + 3^4 + 4^2 - 5^1 + 6^3$
  $= 1 + 2 \times 3 + 45 \times 6$
  $= 65 - 4 + 3!^{2+1}.$

- $279 = 1^6 + 2^5 + 3^4 + 4^1 + 5^3 + 6^2$
  $= 12 - 3 + 45 \times 6$
  $= (6! + 54)/3 + 21.$

- $281 = 1^5 + 2^6 + 3^4 + 4^2 + 5^3 - 6^1$
  $= -1 \times 23 + 4^5 - 6!$
  $= 65 + 4! \times 3 \times (2 + 1).$

- $283 = 1^6 - 2^5 + 3^3 + 4^4 + 5^2 + 6^1$
  $= 1 + 2 \times (3 \times 45 + 6)$
  $= 6!/5 \times \sqrt{4} - 3 \times 2 + 1.$

- $285 = 1^4 + 2^6 + 3^5 - 4^3 + 5^1 + 6^2$
  $= 12 + 3 + 45 \times 6$
  $= 6! + 5 - (4! - 3)^2 + 1.$

- $287 = 1^6 - 2^5 + 3^4 + 4^2 + 5^1 + 6^3$
  $= -1 + 2^{3!} + 4 \times 56$
  $= 65 \times 4 + 3^{2+1}.$

- $289 = 1^2 + 2^6 - 3^5 + 4^4 - 5^1 + 6^3$
  $= -1 + 234 + 56$
  $= -6!/5 + 432 + 1.$

- $291 = -1^5 + 2^6 + 3^4 + 4^2 + 5^3 + 6^1$
  $= 1 + 234 + 56$
  $= 6 \times 54 - 32 - 1.$

- $293 = 1^5 + 2^6 + 3^4 + 4^2 + 5^3 + 6^1$
  $= 1 \times 23 + 45 \times 6$
  $= 65 \times 4 + 32 + 1.$

- $295 = 1^6 - 2^5 + 3^4 + 4^1 + 5^2 + 6^3$
  $= -12 + 3 + 4^5 - 6!$
  $= 6!/5 \times \sqrt{4} + 3 \times 2 + 1.$

- $297 = -1^2 + 2^6 - 3^5 + 4^4 + 5^1 + 6^3$
  $= (1+2)^3 + 45 \times 6$
  $= 6 \times 54 - 3! - 21.$

- $299 = 1^2 + 2^6 - 3^5 + 4^4 + 5^1 + 6^3$
  $= 1 - (2 \times 3)! + 4^5 - 6$
  $= (6 + 54) \times (3 + 2) - 1.$

- $301 = -1^5 + 2^6 + 3^4 - 4^1 + 5^3 + 6^2$
  $= (-1 + 2) \times (-3 + 4^5) - 6!$
  $= (6 + 54) \times (3 + 2) + 1.$

- $303 = 1^6 + 2^5 - 3^3 + 4^4 + 5^1 + 6^2$
  $= -12 - 3^4 \times 5 + 6!$
  $= 6^5/(4 \times 3!) - 21.$

- $305 = 1^2 + 2^6 - 3^3 - 4^5 - 5^1 + 6^4$
  $= 1 - 2 \times 3!! + 4^5 + 6!$
  $= -6 - 5! + 432 - 1.$

- $307 = 1^6 - 2^1 + 3^5 + 4^4 + 5^2 - 6^3$
  $= 1 + 2 \times 3 \times (45 + 6)$
  $= 6 \times \sqrt{(54-3)^2} + 1.$

- $309 = -1^5 + 2^6 + 3^4 + 4^1 + 5^3 + 6^2$
  $= (-1 + 2^3) \times 45 - 6$
  $= 6 \times (5 + 43) + 21.$

- $311 = 1^5 + 2^6 + 3^4 + 4^1 + 5^3 + 6^2$
  $= -1 + 2 \times 3 \times (-4 + 56)$
  $= 6 - 54 + 3!!/2 - 1.$

- $313 = 1^5 + 2^6 - 3^3 + 4^4 + 5^2 - 6^1$
  $= 1 + 2 \times 3 \times (-4 + 56)$
  $= 6! - 5! - 4! \times 3! \times 2 + 1.$

- $315 = 1^2 + 2^6 - 3^3 - 4^5 + 5^1 + 6^4$
  $= (1 + 2) \times 345 - 6!$
  $= (\sqrt{6 \times 54} - 3) \times 21.$

- $317 = -1^1 + 2^6 - 3^5 + 4^4 + 5^2 + 6^3$
  $= 1 + 2 \times 3! + 4^5 - 6!$
  $= 65 + 4 \times 3 \times 21.$

- $319 = 1^1 + 2^6 - 3^5 + 4^4 + 5^2 + 6^3$
  $= (1 \times 2 + 3 + 4!) \times (5 + 6)$
  $= 6 - 5! + 432 + 1.$

- $321 = -1^6 - 2^4 + 3^5 + 4^3 + 5^2 + 6^1$
  $= (-1 + 2^3) \times 45 + 6$
  $= 6 \times (54 + 3) - 21.$

- $323 = -1^5 + 2^6 - 3^3 + 4^4 + 5^2 + 6^1$
  $= 1 - 2 + 3! \times (4 + 5) \times 6$
  $= 65 \times 4 + 3 \times 21.$

- $325 = 1^5 + 2^6 - 3^3 + 4^4 + 5^2 + 6^1$
  $= 12 \times (3 + 4!) - 5 + 6$
  $= (6 - 5) \times 4 + 321.$

- $327 = 1^6 + 2^1 + 3^3 - 4^5 + 5^2 + 6^4$
  $= -12 + 345 - 6$
  $= 6 \times 5 - 4! + 321.$

- $329 = 1^2 - 2^3 + 3^6 - 4^5 + 5^4 + 6^1$
  $= 1 + 2 \times (34 \times 5 - 6)$
  $= 6 + 54 \times 3! - 2 + 1.$

- $331 = -1^5 - 2^6 + 3^2 + 4^4 + 5^3 + 6^1$
  $= 1 \times (2 + 3!!)/\sqrt{4} - 5 \times 6$
  $= 6 \times 54 + 3 \times 2 + 1.$

- $333 = -1^5 + 2^6 - 3^3 + 4^4 + 5^1 + 6^2$
  $= -123 + 456$
  $= 654 - 321.$

- $335 = 1^5 + 2^6 - 3^3 + 4^4 + 5^1 + 6^2$
  $= ((1 + 2) \times 3!)^{\sqrt{4}} + 5 + 6$
  $= -6 + 5 \times 4 + 321.$

- $337 = 1^2 + 2^3 + 3^1 - 4^6 + 5^5 + 6^4$
  $= -1 \times 2 + 345 - 6$
  $= 6! - 5 - (4! - 3!) \times 21.$

- $339 = -1^3 + 2^2 + 3^6 - 4^5 + 5^4 + 6^1$
  $= -12 + 345 + 6$
  $= 6 \times 54 - 3! + 21.$

- $341 = 1^3 + 2^2 + 3^6 - 4^5 + 5^4 + 6^1$
  $= 1 \times 2 + 345 - 6$
  $= (6 + 5 - 4)^3 - 2 \times 1.$

- $343 = 1^6 + 2^4 + 3^5 + 4^3 + 5^2 - 6^1$
  $= 1 + (2 \times 3! + 45) \times 6$
  $= 6 \times (54 + 3) + 2 - 1.$

- $345 = 1^2 + 2^3 + 3^6 - 4^5 + 5^4 + 6^1$
  $= 1 \times 23 \times (4 + 5 + 6)$
  $= (6 - 5) \times 4! + 321.$

- $347 = 1^6 + 2^5 + 3^3 + 4^4 + 5^2 + 6^1$
  $= 123 + 4 \times 56$
  $= 6 + 5 \times 4 + 321.$

- $349 = -1^3 + 2^6 + 3^2 - 4^5 + 5^1 + 6^4$
  $= 1 + 234 + 5! - 6$
  $= 6 \times 5 - \sqrt{4} + 321.$

- $351 = 1^6 + 2^5 + 3^4 + 4^2 + 5^1 + 6^3$
  $= 12 + 345 - 6$
  $= 6!/5! + 4! + 321.$

- $353 = 1^6 - 2^1 - 3^5 - 4^3 + 5^4 + 6^2$
  $= 1 \times 2 + 345 + 6$
  $= 6 \times 5 + \sqrt{4} + 321.$

- $355 = 1^6 + 2^4 + 3^5 + 4^3 + 5^2 + 6^1$
  $= -1 \times 2 \times 3!!/4 - 5 + 6!$
  $= 6 \times 54 + 32 - 1.$

- $357 = 1^6 + 2^5 + 3^3 + 4^4 + 5^1 + 6^2$
  $= (-1 + 2^3) \times (45 + 6)$
  $= 6 \times 54 + 32 + 1.$

- $359 = 1^6 + 2^5 + 3^4 + 4^1 + 5^2 + 6^3$
  $= -1 - 2^3 \times 45 + 6!$
  $= (6! + 5 - 4 - 3)/2 \times 1.$

- $361 = -1^6 - 2^4 + 3^5 + 4^2 + 5^3 - 6^1$
  $= 1 + 2 \times 3 \times (4 + 56)$
  $= (-6 + \sqrt{5^4})^{3-2+1}.$

- $363 = -1^3 + 2^6 + 3^1 - 4^5 + 5^2 + 6^4$
  $= 12 + 345 + 6$
  $= 6 \times (54 + 3) + 21.$

- $365 = 1^6 + 2^4 + 3^5 + 4^3 + 5^1 + 6^2$
  $= -1 + 2^3 \times 45 + 6$
  $= -6! + 543 \times 2 - 1.$

- $367 = -1^3 + 2^1 + 3^6 - 4^5 + 5^4 + 6^2$
  $= 1 - 234 - 5! + 6!$
  $= -65 + 432 \times 1.$

- $369 = 1^2 + 2^6 + 3^3 - 4^5 + 5^1 + 6^4$
  $= 123 \times (4 + 5 - 6)$
  $= -6 + 54 + 321.$

- $371 = -1^5 + 2^6 + 3^4 + 4^2 - 5^1 + 6^3$
  $= 12 + 3!!/\sqrt{4} + 5 - 6$
  $= 6 \times (5 \times 4 \times 3 + 2) - 1.$

- $373 = -1^1 + 2^3 + 3^6 - 4^5 + 5^4 + 6^2$
  $= -1 \times 2 - 345 + 6!$
  $= 6 \times (5 \times 4 \times 3 + 2) + 1.$

- $375 = 1^1 + 2^3 + 3^6 - 4^5 + 5^4 + 6^2$
  $= 1^2 + 34 \times (5 + 6)$
  $= 6 \times (5! - 4) - 321.$

- $377 = -1^5 + 2^6 + 3^3 + 4^4 + 5^2 + 6^1$
  $= 1 \times 2 - 345 + 6!$
  $= 6 \times (54 + 3^2) - 1.$

- $379 = 1^5 + 2^6 + 3^3 + 4^4 + 5^2 + 6^1$
  $= 1 - 2 + 3!!/\sqrt{4} + 5!/6$
  $= 6! - 5 \times 4 - 321.$

- $381 = -1^5 + 2^6 + 3^4 + 4^2 + 5^1 + 6^3$
  $= (1 + 2) \times (\sqrt{3^4} + 5!) - 6$
  $= 6 + 54 + 321.$

- $383 = 1^5 + 2^6 + 3^4 + 4^2 + 5^1 + 6^3$
  $= 1 + 2^{3!} \times 4 + 5! + 6$
  $= (-6 + 54) \times (3! + 2) - 1.$

- $385 = 1^6 + 2^2 + 3^5 + 4^4 - 5^3 + 6^1$
  $= (-1 + 2 + 34) \times (5 + 6)$
  $= (6 + 5) \times (4 + 32 - 1).$

- $387 = -1^5 + 2^6 + 3^3 + 4^4 + 5^1 + 6^2$
  $= 12 - 345 + 6!$
  $= 6 \times 54 + 3 \times 21.$

- $389 = 1^5 + 2^6 + 3^3 + 4^4 + 5^1 + 6^2$
  $= -1 + 2 \times 3! \times \sqrt{4^5} + 6$
  $= 65 + (4! - 3!)^2 \times 1.$

- $391 = 1^5 + 2^6 + 3^4 + 4^1 + 5^2 + 6^3$
  $= (1 + 2345)/6$
  $= (65 \times \sqrt{4}) \times 3 + 2 - 1.$

- $393 = 1^6 - 2^4 + 3^5 + 4^1 + 5^3 + 6^2$
  $= 123 + 45 \times 6$
  $= (65 \times \sqrt{4}) \times 3 + 2 + 1.$

- $395 = 1^6 + 2^4 + 3^5 + 4^2 + 5^3 - 6^1$
  $= -1 + 2 \times (3! \times \sqrt{4^5} + 6)$
  $= 6 + 5 + 4^3 \times (2 + 1)!.$

- $397 = 1^6 - 2^3 - 3^5 + 4^2 + 5^4 + 6^1$
  $= 12 \times 34 - 5 - 6$
  $= 6 \times 5!/\sqrt{4} + 3!^2 + 1.$

- $399 = 1^6 + 2^2 - 3^1 - 4^5 + 5^3 + 6^4$
  $= -12 + 3^4 \times 5 + 6$
  $= -6 \times 54 + 3!! + 2 + 1.$

- $401 = 1^6 + 2^3 - 3^5 + 4^2 + 5^4 - 6^1$
  $= -12 \times (3 + 4!) + 5 + 6!$
  $= 6!/(5 + 4) + 321.$

- $403 = 1^4 + 2^6 + 3^5 + 4^3 + 5^2 + 6^1$
  $= 1 \times 23^{\sqrt{4}} - 5! - 6$
  $= 6 \times 5! + 4 - 321.$

- $405 = 1^6 + 2^2 + 3^1 - 4^5 + 5^3 + 6^4$
  $= (1 + 2)^3 \times (4 + 5 + 6)$
  $= (6 + 5 + 4) \times 3^{2+1}.$

- $407 = 1^6 + 2^4 + 3^5 + 4^2 + 5^3 + 6^1$
  $= 12 \times 34 + 5 - 6$
  $= 6! + 5! - 432 - 1.$

- $409 = 1^6 + 2^1 + 3^2 - 4^5 + 5^3 + 6^4$
  $= 12 \times 34 - 5 + 6$
  $= 6! + 5! - 432 + 1.$

- $411 = -1^4 + 2^6 + 3^5 + 4^3 + 5^1 + 6^2$
  $= 12 + 3^4 \times 5 - 6$
  $= 6! + (-5! + 4!) \times 3 - 21.$

- $413 = 1^4 + 2^6 + 3^5 + 4^3 + 5^1 + 6^2$
  $= 1 \times 2 + 3^4 \times 5 + 6$
  $= (65 + 4) \times 3 \times 2 - 1.$

- $415 = 1^6 - 2^3 - 3^5 + 4^1 + 5^4 + 6^2$
  $= 1 + 2 \times 3! \times 4! + 5! + 6$
  $= (65 + 4) \times 3 \times 2 + 1.$

- $417 = 1^6 + 2^4 + 3^5 - 4^1 + 5^3 + 6^2$
  $= 1 + 2^3 \times (-4 + 56)$
  $= (6 + 5 + \sqrt{4}) \times 32 + 1.$

- $419 = 1^1 + 2^6 - 3^5 - 4^3 + 5^4 + 6^2$
  $= 12 \times 34 + 5 + 6$
  $= (-6 + 5 \times 43) \times 2 + 1.$

- $421 = -1^5 - 2^6 + 3^2 + 4^4 + 5^1 + 6^3$
  $= 12^3/4 - 5 - 6$
  $= (6! + 543)/(2 + 1).$

- $423 = 1^6 + 2^3 - 3^5 - 4^1 + 5^4 + 6^2$
  $= 12 + 3^4 \times 5 + 6$
  $= (6!/5 - \sqrt{4}) \times 3 - 2 - 1.$

- $425 = 1^6 + 2^4 + 3^5 + 4^1 + 5^3 + 6^2$
  $= -1 + 23 \times 4! - 5! - 6$
  $= 6! + 5 \times (4 - 3 \times 21).$

- $427 = -1^6 + 2^5 + 3^2 + 4^4 + 5^3 + 6^1$
  $= 1 + 23 \times 4! - 5! - 6$
  $= -6!/5! + 432 + 1.$

- $429 = 1^6 + 2^5 + 3^2 + 4^4 + 5^3 + 6^1$
  $= -(1 + 2)^3 + 456$
  $= (6!/5 - \sqrt{4}) \times 3 + 2 + 1.$

- $431 = 1^6 + 2^3 - 3^5 + 4^1 + 5^4 + 6^2$
  $= 12^3/4 + 5 - 6$
  $= 6 + 5 \times (4^3 + 21).$

- $433 = 1^2 + 2^6 + 3^5 + 4^4 - 5^3 - 6^1$
  $= -1 \times 23 + 456$
  $= (6-5) \times 432 + 1.$

- $435 = -1^5 - 2^6 + 3^1 + 4^4 + 5^2 + 6^3$
  $= 1 + 2 + 3!!/(\sqrt{4} \times 5) \times 6$
  $= (6!/5 - \sqrt{4} + 3) \times (2+1).$

- $437 = 1^5 - 2^6 + 3^1 + 4^4 + 5^2 + 6^3$
  $= -12 \times 3! \times 4 + 5 + 6!$
  $= 6 + 54 \times (3! + 2) - 1.$

- $439 = -1^1 - 2^4 - 3^6 + 4^5 + 5^3 + 6^2$
  $= 1 + 23 \times 4! - 5! + 6$
  $= -6 + 5! + 4 + 321.$

- $441 = -1^2 + 2^4 - 3^6 + 4^5 + 5^3 + 6^1$
  $= -12 - 3 + 456$
  $= (\sqrt{6 \times 54} + 3) \times 21.$

- $443 = 1^4 + 2^6 + 3^5 + 4^2 + 5^3 - 6^1$
  $= 12^3/4 + 5 + 6$
  $= 6 + 5 + 432 \times 1.$

- $445 = 1^2 + 2^6 + 3^5 + 4^4 - 5^3 + 6^1$
  $= 1 - 2 \times 3! + 456$
  $= (65 + 4!) \times (3 + 2 \times 1).$

- $447 = 1^6 + 2^5 - 3^1 + 4^4 + 5^3 + 6^2$
  $= -12 + 3 + 456$
  $= 6 + 5 \times 4! + 321.$

- $449 = 1^5 + 2^6 + 3^2 + 4^4 + 5^3 - 6^1$
  $= 1 - 2^3 + 456$
  $= -6 \times 5 + 4 \times (3+2)! - 1.$

- $451 = -1^6 + 2^5 + 3^1 + 4^4 + 5^3 + 6^2$
  $= -1 \times 2 - 3 + 456$
  $= 6 + 5! + 4 + 321.$

- $453 = 1^6 + 2^5 + 3^1 + 4^4 + 5^3 + 6^2$
  $= (1-2) \times 3 + 456$
  $= 6! + 54 - 321.$

- $455 = 1^4 + 2^6 + 3^5 + 4^2 + 5^3 + 6^1$
  $= (1-2)^3 + 456$
  $= 6! - 5 \times ((4! + 3) \times 2 - 1).$

- $457 = 1^6 + 2^2 - 3^5 + 4^3 + 5^4 + 6^1$
  $= 1^2 3 + 456$
  $= 6! - 5! - 4! - (3+2)! + 1.$

- $459 = -1^5 + 2^6 + 3^2 + 4^4 + 5^3 + 6^1$
  $= 1^2 \times (3 + 456)$
  $= 6! + 5! \times (4 - 3!) - 21.$

- $461 = 1^5 + 2^6 + 3^2 + 4^4 + 5^3 + 6^1$
  $= 1 \times 2 + 3 + 456$
  $= 6 \times 5 + 432 - 1.$

- $463 = 1^6 - 2^5 - 3^1 + 4^4 + 5^2 + 6^3$
  $= 1 + 2 \times 3 + 456$
  $= 6 \times 5 + 432 + 1.$

- $465 = 1^2 + 2^6 + 3^1 - 4^5 + 5^3 + 6^4$
  $= 12 - 3 + 456$
  $= (-6 + 5!) \times 4 + 3^2 \times 1.$

- $467 = -1^3 + 2^6 - 3^5 + 4^2 + 5^4 + 6^1$
  $= -1 - 2 \times 3! + 4! \times 5!/6$
  $= 6 \times (54 + (3! - 2)!) - 1.$

- $469 = 1^6 - 2^5 + 3^1 + 4^4 + 5^2 + 6^3$
  $= 1 + 2 \times 3! + 456$
  $= 6 \times (54 + (3! - 2)!) + 1.$

- $471 = 1^1 + 2^6 + 3^2 - 4^5 + 5^3 + 6^4$
  $= 12 + 3 + 456$
  $= (6 + 5!) \times 4 - 32 - 1.$

- $473 = 1^4 + 2^6 + 3^5 + 4^1 + 5^3 + 6^2$
  $= 1 + 2 \times (3!!/4 + 56)$
  $= 6! + 5 - 4 \times 3 \times 21.$

- $475 = 1^1 + 2^6 + 3^5 + 4^4 - 5^3 + 6^2$
  $= -1 \times (2+3)! \times \sqrt{4} - 5 + 6!$
  $= -6 + 5! \times 4 + 3 - 2 \times 1.$

- $477 = -1^5 + 2^6 - 3^1 + 4^4 + 5^3 + 6^2$
  $= -(1+2)^3 + 4 \times (5! + 6)$
  $= 6 \times 5! \times 4/3! - 2 - 1.$

- $479 = 1^5 + 2^6 - 3^1 + 4^4 + 5^3 + 6^2$
  $= 1 \times 23 + 456$
  $= (6 + 5 + 4) \times 32 - 1.$

- $481 = 1^6 - 2^1 - 3^5 + 4^3 + 5^4 + 6^2$
  $= 123 \times 4 - 5 - 6$
  $= (6 + 5 + 4) \times 32 + 1.$

- $483 = -1^5 + 2^6 + 3^1 + 4^4 + 5^3 + 6^2$
  $= (1+2)^3 + 456$
  $= -6 + 5 + 4 \times ((3+2)! + 1).$

- $485 = 1^5 + 2^6 + 3^1 + 4^4 + 5^3 + 6^2$
  $= (-1 + 23)^{\sqrt{4}} - 5 + 6$
  $= 6 - 5 + 4 \times ((3+2)! + 1).$

- $487 = 1^3 + 2^6 - 3^5 + 4^1 + 5^4 + 6^2$
  $= 1 - 234 + 5! \times 6$
  $= 6!/5 + (4+3)^{2+1}.$

- $489 = 1^6 + 2^3 + 3^5 + 4^4 - 5^2 + 6^1$
  $= -1 - 23 \times \sqrt{4} \times 5 + 6!$
  $= 6 + 5! \times 4 + 3! - 2 - 1.$

- $491 = -1^5 + 2^6 + 3^1 + 4^2 + 5^4 - 6^3$
  $= 123 \times 4 + 5 - 6$
  $= 6 + 5 + 4 \times (3+2)! \times 1.$

- $493 = 1^5 + 2^6 + 3^1 + 4^2 + 5^4 - 6^3$
  $= 1 - 2 \times 3! + 4 \times (5! + 6)$
  $= 6 + 5! \times 4 + 3 \times 2 + 1.$

- $495 = -1^6 + 2^4 + 3^5 + 4^2 + 5^1 + 6^3$
  $= -12 + 3 + 4 \times (5! + 6)$
  $= 6 + 5 + 4 \times ((3+2)! + 1).$

- $497 = 1^6 + 2^4 + 3^5 + 4^2 + 5^1 + 6^3$
  $= 1 + 23 \times 4! - 56$
  $= 65 + 432 \times 1.$

- $499 = -1^6 + 2^5 - 3^2 + 4^4 + 5^1 + 6^3$
  $= 1 \times (2+3)^4 - 5! - 6$
  $= 65 \times \sqrt{4^3} - 21.$

- $501 = 1^6 + 2^5 - 3^2 + 4^4 + 5^1 + 6^3$
  $= 12 + 3 + 4 \times 5! + 6$
  $= 6! + 5! \times (4 - 3!) + 21.$

- $503 = 1^4 - 2^5 + 3^6 + 4^2 + 5^1 - 6^3$
  $= 123 \times 4 + 5 + 6$
  $= 6 \times (5! - 4 - 32) - 1.$

- $505 = 1^6 + 2^4 + 3^5 + 4^1 + 5^2 + 6^3$
  $= (1 + 2)^{3!} - 4 \times 56$
  $= 6! - 5 \times 43 \times (2 - 1).$

- $507 = 1^5 - 2^3 + 3^6 - 4^4 + 5^1 + 6^2$
  $= 1 + 23 \times \sqrt{4} \times (5 + 6)$
  $= -6 + (-5 + 4!) \times 3^{2+1}.$

- $509 = 1^6 + 2^5 + 3^2 + 4^4 - 5^1 + 6^3$
  $= 1 - 23 \times 4 - 5! + 6!$
  $= 6 \times 5 + 4 \times (3 + 2)! - 1.$

- $511 = 1^4 - 2^5 + 3^6 + 4^1 + 5^2 - 6^3$
  $= -(1 + 2)! \times 34 - 5 + 6!$
  $= 6 + 5 \times ((4 + 3!)^2 + 1).$

- $513 = 1^4 - 2^2 - 3^6 + 4^5 + 5^1 + 6^3$
  $= -1 - 2 + (3^4 + 5) \times 6$
  $= (65 \times 4 - 3) \times 2 - 1.$

- $515 = -1^2 + 2^6 - 3^5 + 4^3 + 5^4 + 6^1$
  $= (1 + 2^{3!}) \times (4! - 5) - 6!$
  $= 6 \times (54 + 32) - 1.$

- $517 = 1^2 + 2^6 - 3^5 + 4^3 + 5^4 + 6^1$
  $= -1 + 23^{\sqrt{4}} + 5 - 6$
  $= 6 \times (54 + 32) + 1.$

- $519 = 1^6 + 2^5 + 3^2 + 4^4 + 5^1 + 6^3$
  $= 1234 + 5 - 6!$
  $= 6 \times (5 + 4!) \times 3 - 2 - 1.$

- $521 = -1^6 - 2^3 + 3^5 + 4^4 + 5^2 + 6^1$
  $= 1 - 2 + 3 \times (4! + 5) \times 6$
  $= 6! + 5! + \sqrt{4} - 321.$

- $523 = 1^6 - 2^3 + 3^5 + 4^4 + 5^2 + 6^1$
  $= 1 + 23 \times 4! - 5 \times 6$
  $= 65 \times \sqrt{4^3} + 2 + 1.$

- $525 = -1^6 + 2^5 - 3^1 + 4^4 + 5^2 + 6^3$
  $= (12 + 3) \times (4! + 5 + 6)$
  $= (6 - 5 + 4 \times 3!) \times 21.$

- $527 = 1^6 + 2^5 - 3^1 + 4^4 + 5^2 + 6^3$
  $= -1 + (2 - 34 + 5!) \times 6$
  $= 6! - 5! - 4! \times 3 - 2 + 1.$

- $529 = -1^5 + 2^1 - 3^6 - 4^3 + 5^2 + 6^4$
  $= 1 \times 23 \times (4! + 5 - 6)$
  $= (6 + 5 \times 4 - 3)^2 \times 1.$

- $531 = -1^6 + 2^5 + 3^1 + 4^4 + 5^2 + 6^3$
  $= -1 + 23 \times 4! - 5!/6$
  $= 6! - 5! - 4! \times 3 + 2 + 1.$

- $533 = 1^6 + 2^5 + 3^1 + 4^4 + 5^2 + 6^3$
  $= -12 - 3!!/4 + 5 + 6!$
  $= 654 - (3 + 2)! - 1.$

- $535 = 1^4 + 2^6 + 3^5 + 4^2 - 5^1 + 6^3$
  $= (-1 - 2 - 34) \times 5 + 6!$
  $= -6 + 543 - 2 \times 1.$

- $537 = -1^6 + 2^3 + 3^5 + 4^4 + 5^2 + 6^1$
  $= (1 + 2) \times (3!!/4 + 5 - 6)$
  $= -6 + 543 \times (2 - 1).$

- $539 = 1^6 + 2^3 + 3^5 + 4^4 + 5^2 + 6^1$
  $= -1 + 2 \times \sqrt{3^4} \times 5 \times 6$
  $= -6 + 543 + 2 \times 1.$

- $541 = 1^5 + 2^6 + 3^2 + 4^4 - 5^1 + 6^3$
  $= 1 \times 23 \times 4! - 5 - 6$
  $= 65 \times \sqrt{4^3} + 21.$

- $543 = -1^4 + 2^6 + 3^5 + 4^2 + 5^1 + 6^3$
  $= -1 - 2 + 3!! - (4! + 5) \times 6$
  $= 6!/5 \times 4 - 32 - 1.$

- $545 = 1^4 + 2^6 + 3^5 + 4^2 + 5^1 + 6^3$
  $= 1 - 2 + 3!! - (4! + 5) \times 6$
  $= 6!/5 \times 4 - 32 + 1.$

- $547 = 1^1 + 2^6 - 3^5 + 4^3 + 5^4 + 6^2$
  $= 1 + 2 \times (3 + 45 \times 6)$
  $= 6 + 543 - 2 \times 1.$

- $549 = 1^6 + 2^3 + 3^5 + 4^4 + 5^1 + 6^2$
  $= -1 + (2 + 3) \times (-4 + 5! - 6)$
  $= (65 - 4) \times 3^2 \times 1.$

- $551 = 1^5 + 2^6 + 3^2 + 4^4 + 5^1 + 6^3$
  $= 1^2 - 34 \times 5 + 6!$
  $= 6 + 543 + 2 \times 1.$

- $553 = 1^4 + 2^6 + 3^5 + 4^1 + 5^2 + 6^3$
  $= 1 + 23 \times (4 + 5!/6)$
  $= 6 \times (5! + 4^3)/2 + 1.$

- $555 = -1^3 - 2^5 - 3^6 + 4^2 + 5^1 + 6^4$
  $= (1^2 - 34) \times 5 + 6!$
  $= 6 \times (5! - 4 \times 3!) - 21.$

- $557 = -1^5 + 2^6 - 3^1 + 4^4 + 5^2 + 6^3$
  $= -1 + (-23 - 4 + 5!) \times 6$
  $= 6 + 5! + 432 - 1.$

- $559 = 1^5 + 2^6 - 3^1 + 4^4 + 5^2 + 6^3$
  $= -1^2 + (3! + 4) \times 56$
  $= 6 + 5! + 432 + 1.$

- $561 = 1^1 + 2^5 - 3^6 - 4^3 + 5^2 + 6^4$
  $= 1^2 + (3! + 4) \times 56$
  $= 6! - 5!/\sqrt{4} \times 3 + 21.$

- $563 = -1^5 + 2^6 + 3^1 + 4^4 + 5^2 + 6^3$
  $= 1 + 2 + (3! + 4) \times 56$
  $= 6! - 5! - \sqrt{4} - 3!^2 + 1.$

- $565 = 1^5 + 2^6 + 3^1 + 4^4 + 5^2 + 6^3$
  $= -123 - \sqrt{4^5} + 6!$
  $= -6 - 5 + (4 \times 3!)^2 \times 1.$

- $567 = 1^4 + 2^5 + 3^6 + 4^2 + 5^1 - 6^3$
  $= (1 + 2) \times (-3 + \sqrt{4^5} \times 6)$
  $= (65 - \sqrt{4}) \times 3^2 \times 1.$

- $569 = 1^6 - 2^5 + 3^1 - 4^3 + 5^4 + 6^2$
  $= (-1 + 2 \times 3)^4 - 56$
  $= -6! + 5 + 4 \times 321.$

- $571 = -1^2 - 2^5 + 3^6 - 4^4 + 5^3 + 6^1$
  $= 1 + (23 - 4) \times 5 \times 6$
  $= 6! - 5! + 4 - 32 - 1.$

- $573 = -1^5 - 2^6 - 3^3 + 4^1 + 5^4 + 6^2$
  $= -1 \times 23 - 4 - 5! + 6!$
  $= 6! + (5 - 4 \times 3) \times 21.$

- $575 = 1^4 + 2^5 + 3^6 + 4^1 + 5^2 - 6^3$
  $= (1 + 23) \times 4! + 5 - 6$
  $= 6!/5 + 432 - 1.$

- $577 = 1^6 - 2^5 - 3^3 + 4^2 + 5^4 - 6^1$
  $= (1 + 23) \times 4! - 5 + 6$
  $= 6!/5 + 432 + 1.$

- $579 = -1^5 - 2^3 - 3^6 + 4^2 + 5^1 + 6^4$
  $= 123 + 456$
  $= 6! + 5 \times (4 - 32) - 1.$

- $581 = -1^3 + 2^6 + 3^5 + 4^4 + 5^2 - 6^1$
  $= 1 \times 2 + 3 + (-4! + 5!) \times 6$
  $= 65 \times 4 + 321.$

- $583 = 1^3 + 2^6 + 3^5 + 4^4 + 5^2 - 6^1$
  $= 1 + (2 \times 3)! \times 4/5 + 6$
  $= 6! - 5 \times (4! + 3) - 2 \times 1.$

- $585 = 1^6 + 2^1 - 3^5 - 4^2 + 5^4 + 6^3$
  $= (12 + 3) \times (45 - 6)$
  $= 65 \times (-4 \times 3 + 21).$

- $587 = -1^5 - 2^3 - 3^6 + 4^1 + 5^2 + 6^4$
  $= -1 + (2 + 3 \times \sqrt{4^5}) \times 6$
  $= 6! - 5! - 4 - 3^2 \times 1.$

- $589 = 1^6 - 2^5 - 3^3 + 4^2 + 5^4 + 6^1$
  $= (123 - 4) \times 5 - 6$
  $= 6 \times (5! - \sqrt{4}) - (3 + 2)! + 1.$

- $591 = 1^6 + 2^5 - 3^2 - 4^3 + 5^4 + 6^1$
  $= -12 \times 3/4 - 5! + 6!$
  $= 654 - 3 \times 21.$

- $593 = -1^3 + 2^6 + 3^5 + 4^4 + 5^2 + 6^1$
  $= -(1 + 2)! + 3 - 4 - 5! + 6!$
  $= 6! - 5 - \sqrt{4} - (3! - 2 + 1)!.$

- $595 = 1^3 + 2^6 + 3^5 + 4^4 + 5^2 + 6^1$
  $= 1 \times (2 + 3)^4 - 5 \times 6$
  $= -6 + 5^4 - 3 - 21.$

- $597 = 1^6 + 2^5 + 3^2 - 4^3 + 5^4 - 6^1$
  $= -1 \times 2^{3+4} + 5 + 6!$
  $= 6! + 5 - 4 \times 32 \times 1.$

- $599 = 1^6 + 2^2 - 3^5 - 4^1 + 5^4 + 6^3$
  $= (123 - \sqrt{4}) \times 5 - 6$
  $= 6 + 5^4 - 32 \times 1.$

- $601 = 1^5 - 2^2 + 3^6 - 4^4 + 5^3 + 6^1$
  $= (123 - 4) \times 5 + 6$
  $= 6! - 5 \times 4 \times 3 \times 2 + 1.$

- $603 = -1^3 + 2^6 + 3^5 + 4^4 + 5^1 + 6^2$
  $= -1 + (2 \times 3)! - \sqrt{4} - 5! + 6$
  $= (65 + \sqrt{4}) \times (3 + (2 + 1)!).$

- $605 = 1^3 + 2^6 + 3^5 + 4^4 + 5^1 + 6^2$
  $= -1 \times (2 + 3) \times 4! + 5 + 6!$
  $= (6 - 5 + 4) \times ((3 + 2)! + 1).$

- $607 = 1^6 + 2^2 - 3^5 + 4^1 + 5^4 + 6^3$
  $= 1 + \sqrt{2 + 34} - 5! + 6!$
  $= 6 + 5^4 - 3 - 21.$

- $609 = 1^6 + 2^5 + 3^2 - 4^3 + 5^4 + 6^1$
  $= 1 + 23 \times 4! + 56$
  $= (6 \times 5 - 4 + 3) \times 21.$

- $611 = 1^5 - 2^6 + 3^3 + 4^2 + 5^4 + 6^1$
  $= (123 - \sqrt{4}) \times 5 + 6$
  $= 6! - 5! - 4 - 3! + 21.$

- $613 = 1^6 - 2^1 - 3^5 + 4^2 + 5^4 + 6^3$
  $= 12 - 3 + 4 - 5! + 6!$
  $= -6 + 5^4 - 3 - 2 - 1.$

- $615 = -1^6 + 2^1 - 3^5 + 4^2 + 5^4 + 6^3$
  $= 123 \times (4 - 5 + 6)$
  $= -6 + 5^4 - 3! + 2 \times 1.$

- $617 = 1^6 + 2^1 - 3^5 + 4^2 + 5^4 + 6^3$
  $= 1 + 2^3 \times \sqrt{4} - 5! + 6!$
  $= -6 + 5^4 - 3 + 2 - 1.$

- $619 = -1^3 + 2^5 - 3^6 + 4^2 + 5^1 + 6^4$
  $= 12 + 3 + 4 - 5! + 6!$
  $= -6 + 5^4 - 3 + 2 + 1.$

- $621 = 1^3 + 2^5 - 3^6 + 4^2 + 5^1 + 6^4$
  $= -123 + (4 + 5!) \times 6$
  $= 654 - 32 - 1.$

- $623 = 1^6 + 2^2 + 3^5 + 4^4 + 5^3 - 6^1$
  $= -(1 + 2) \times 34 + 5 + 6!$
  $= 654 - 32 + 1.$

- $625 = -1^6 - 2^2 + 3^5 + 4^4 + 5^3 + 6^1$
  $= 1 \times 23 + \sqrt{4} - 5! + 6!$
  $= (6 - 5 + 4!)^{3!/(2+1)}.$

- $627 = 1^6 + 2^5 - 3^1 - 4^3 + 5^4 + 6^2$
  $= 1 \times 23 + 4 - 5! + 6!$
  $= 654 - 3! - 21.$

- $629 = 1^5 + 2^6 + 3^2 - 4^3 + 5^4 - 6^1$
  $= (123 + 4) \times 5 - 6$
  $= 6! - 5 - 43 \times 2 \times 1.$

- $631 = 1^6 - 2^5 + 3^3 + 4^2 + 5^4 - 6^1$
  $= -1 - 2 + 34 - 5! + 6!$
  $= 654 - (3! - 2)! + 1.$

- $633 = 1^6 + 2^5 + 3^1 - 4^3 + 5^4 + 6^2$
  $= 1 - 2 + 34 - 5! + 6!$
  $= 6! - 54 - 32 - 1.$

- $635 = 1^6 + 2^2 + 3^5 + 4^4 + 5^3 + 6^1$
  $= 1^2 - 3^4 - 5 + 6!$
  $= 6! - 54 - 32 + 1.$

- $637 = 1^2 + 2^5 + 3^6 - 4^4 + 5^3 + 6^1$
  $= 1 + 2 + 34 - 5! + 6!$
  $= -6 + 5^4 - 3 + 21.$

- $639 = -1^5 + 2^6 + 3^2 - 4^3 + 5^4 + 6^1$
  $= -1 + (2 \times 3)! - 4 \times 5!/6$
  $= 654 + 3! - 21.$

- $641 = 1^5 + 2^6 + 3^2 - 4^3 + 5^4 + 6^1$
  $= (123 + 4) \times 5 + 6$
  $= -6 + 5 + \sqrt{4} \times 321.$

- $643 = 1^6 - 2^5 + 3^3 + 4^2 + 5^4 + 6^1$
  $= 1 \times 23^{\sqrt{4}} + 5! - 6$
  $= 654 - 3! \times 2 + 1.$

- $645 = -1^1 + 2^6 - 3^5 - 4^2 + 5^4 + 6^3$
  $= -1 + 23 \times \sqrt{4} - 5! + 6!$
  $= 6 \times 54 + 321.$

- $647 = 1^4 + 2^5 + 3^6 + 4^2 - 5^3 - 6^1$
  $= -1 \times 2^{3!} - 4 - 5 + 6!$
  $= 654 - 3 \times 2 - 1.$

- $649 = -1^5 + 2^4 + 3^6 - 4^3 + 5^1 - 6^2$
  $= -1 + 2 - 3 \times 4! + 5! \times 6$
  $= 654 - 3 - 2 \times 1.$

- $651 = -1^5 + 2^4 + 3^6 - 4^1 - 5^3 + 6^2$
  $= -1 - 23 - 45 + 6!$
  $= 654 - 3 \times (2 - 1).$

- $653 = 1^6 + 2^5 - 3^3 + 4^2 + 5^4 + 6^1$
  $= 1 - 23 - 45 + 6!$
  $= 654 - 3 + 2 \times 1.$

- $655 = -1^2 - 2^6 + 3^5 + 4^4 + 5^1 + 6^3$
  $= -(12 + 3) \times 4 - 5 + 6!$
  $= 654 + 3 - 2 \times 1.$

- $657 = -1^5 + 2^6 - 3^1 - 4^3 + 5^4 + 6^2$
  $= -12 \times 3! + 4 + 5 + 6!$
  $= 654 + 3 \times (2 - 1).$

- $659 = 1^6 - 2^1 + 3^5 + 4^4 + 5^3 + 6^2$
  $= -1 + (2 \times 3)! - 4 - 56$
  $= 654 + 3 + 2 \times 1.$

- $661 = 1^6 - 2^5 + 3^3 + 4^1 + 5^4 + 6^2$
  $= -(1 + 2)^3 - \sqrt{4^5} + 6!$
  $= 6! + 5 - 43 - 21.$

- $663 = 1^6 + 2^1 + 3^5 + 4^4 + 5^3 + 6^2$
  $= (1 + 2 - 3!) \times (4! - 5) + 6!$
  $= 6 + 5^4 + 32 \times 1.$

- $665 = 1^5 + 2^6 + 3^1 - 4^3 + 5^4 + 6^2$
  $= -1 \times 23 - \sqrt{4^5} + 6!$
  $= 654 + 3! \times 2 - 1.$

- $667 = 1^2 + 2^6 - 3^5 + 4^1 + 5^4 + 6^3$
  $= -1 + (2 \times 3)! + 4 - 56$
  $= 654 + 3! \times 2 + 1.$

- $669 = 1^4 + 2^5 + 3^6 - 4^1 - 5^3 + 6^2$
  $= -12 - 34 - 5 + 6!$
  $= 654 - 3! + 21.$

- $671 = 1^6 + 2^5 - 3^3 + 4^1 + 5^4 + 6^2$
  $= 6! - 54 + 3 \times 2 - 1$
  $= 1 - 2 + 3 \times 4 \times 56.$

- $673 = 1^6 - 2^5 + 3^2 + 4^3 + 5^4 + 6^1$
  $= 1^2 - 3 - 45 + 6!$
  $= 6! - 5! + 4! \times 3 + 2 - 1.$

- $675 = 1^4 - 2^5 + 3^6 - 4^3 + 5^1 + 6^2$
  $= -1^{23} \times 45 + 6!$
  $= 6! - 5 \times 4 - (3! - 2)! - 1.$

- $677 = -1^1 + 2^6 - 3^5 + 4^2 + 5^4 + 6^3$
  $= 1 - 2 + 3 - 45 + 6!$
  $= 6! + 5 \times 4 - 3 \times 21.$

- $679 = 1^1 + 2^6 - 3^5 + 4^2 + 5^4 + 6^3$
  $= -12 - 3! \times 4 - 5 + 6!$
  $= 6! - 5 - 4 - 32 \times 1.$

- $681 = 1^5 - 2^4 + 3^6 - 4^3 + 5^2 + 6^1$
  $= (-1 + 2 \times 3)^4 + 56$
  $= 654 + 3! + 21.$

- $683 = -1^5 + 2^6 - 3^3 + 4^2 + 5^4 + 6^1$
  $= 1 \times 2 - 34 - 5 + 6!$
  $= 6! + 5 + (-4! + 3) \times 2 \times 1.$

- $685 = 1^5 + 2^6 - 3^3 + 4^2 + 5^4 + 6^1$
  $= 1 + 2 \times 345 - 6$
  $= 654 + 32 - 1.$

- $687 = -1^1 + 2^5 - 3^6 + 4^3 + 5^2 + 6^4$
  $= (1 + 2)! + 3!! - 45 + 6$
  $= 654 + 32 + 1.$

- $689 = 1^1 + 2^5 - 3^6 + 4^3 + 5^2 + 6^4$
  $= -1 + 2 - 3 - 4! - 5 + 6!$
  $= -6!/5! - 4! + 3!! - 2 + 1.$

- $691 = 1^6 - 2^5 - 3^1 + 4^3 + 5^4 + 6^2$
  $= -1^2 \times 34 + 5 + 6!$
  $= 6 \times 5! + 4 - 32 - 1.$

- $693 = -1^5 + 2^6 - 3^3 - 4^1 + 5^4 + 6^2$
  $= 12 - 34 - 5 + 6!$
  $= 6! - 5 - 43 + 21.$

- $695 = 1^2 + 2^6 + 3^5 + 4^4 + 5^3 + 6^1$
  $= (12 - 3!)! - 4! + 5 - 6$
  $= 6! - 5 + 4 - 3 - 21.$

- $697 = 1^6 - 2^5 + 3^1 + 4^3 + 5^4 + 6^2$
  $= 1 + 2 \times 345 + 6$
  $= 6! - 54 + 32 - 1.$

- $699 = -1^5 + 2^4 + 3^6 - 4^3 + 5^2 - 6^1$
  $= 1 + 23 - 45 + 6!$
  $= 6 \times (5! + \sqrt{4}) - 32 - 1.$

- $701 = -1^5 + 2^6 - 3^3 + 4^1 + 5^4 + 6^2$
  $= -1 \times 23 + 4 + 5! \times 6$
  $= 6! - 5 + 4 + 3 - 21.$

- $703 = 1^5 + 2^6 - 3^3 + 4^1 + 5^4 + 6^2$
  $= 1 + 2 \times (345 + 6)$
  $= 6 \times (-5 + \sqrt{4}) + (3 \times 2)! + 1.$

- $705 = -1^6 + 2^5 + 3^3 + 4^2 + 5^4 + 6^1$
  $= 1 - 2 + 3!! - 4 \times 5 + 6$
  $= 6! - 5 \times 4 + 3 \times 2 - 1.$

- $707 = 1^6 + 2^5 + 3^3 + 4^2 + 5^4 + 6^1$
  $= 1 \times 2 + 3!! - 4 - 5 - 6$
  $= 65 + \sqrt{4} \times 321.$

- $709 = -1^5 + 2^1 - 3^6 + 4^2 + 5^3 + 6^4$
  $= -12 - 3 + 4 + 5! \times 6$
  $= 6! - 54/3! - 2 \times 1.$

- $711 = -1^5 + 2^4 + 3^6 - 4^3 + 5^2 + 6^1$
  $= -1 \times 2 \times 3 + \sqrt{4} - 5 + 6!$
  $= 6! + 54 - 3 \times 21.$

- $713 = 1^5 + 2^4 + 3^6 - 4^3 + 5^2 + 6^1$
  $= 12 \times (3 - 4) + 5 + 6!$
  $= 6! + 5 - 4 - 3^2 + 1.$

- $715 = 1^6 + 2^2 + 3^5 + 4^4 - 5^1 + 6^3$
  $= 12/3 - 4 - 5 + 6!$
  $= 65 \times (4 \times 3 - 2 + 1).$

- $717 = 1^6 + 2^5 + 3^3 - 4^1 + 5^4 + 6^2$
  $= 1 \times 2 + (-3 + 4) \times (-5 + 6!)$
  $= 654 + 3 \times 21.$

- $719 = 1^6 + 2^5 - 3^2 + 4^3 + 5^4 + 6^1$
  $= 1 + 2 + 3 - \sqrt{4} - 5 + 6!$
  $= 6! - 5 + 4 + 3 - 2 - 1.$

- $721 = -1^5 + 2^4 + 3^6 - 4^3 + 5^1 + 6^2$
  $= 1 + 2 - 3 - 4 + 5 + 6!6! + 5 - \sqrt{4^3}/2 \times 1.$

- $723 = -1^1 + 2^6 + 3^5 + 4^4 + 5^3 + 6^2$
  $= (12 - 3)^{\sqrt{4+5}} - 6$
  $= 6! + 5 + 4 - 3 \times 2 \times 1.$

- $725 = 1^1 + 2^6 + 3^5 + 4^4 + 5^3 + 6^2$
  $= 1^234 \times (5 + 6!)$
  $= 6! - 5 + 4 + 3 + 2 + 1.$

- $727 = 1^5 + 2^6 + 3^3 + 4^2 + 5^4 - 6^1$
  $= 123 + 4 - 5! + 6!$
  $= 6! - 5 + 4 + 3^2 - 1.$

- $729 = 1^4 + 2^5 + 3^6 - 4^3 + 5^2 + 6^1$
  $= -1 \times 23 + \sqrt{4^5} + 6!$
  $= 6 + (5! + 4) \times 3! - 21.$

- $731 = -1^1 + 2^6 + 3^5 + 4^2 + 5^4 - 6^3$
  $= 12 + 3 - 4 + 5! \times 6$
  $= 6! - 5 \times 4 + 32 - 1.$

- $733 = 1^1 + 2^6 + 3^5 + 4^2 + 5^4 - 6^3$
  $= 1 - 2 + 3!! + 4 \times 5 - 6$
  $= 6! - 5 + \sqrt{4} \times 3^2 \times 1.$

- $735 = -1^6 + 2^5 + 3^2 + 4^3 + 5^4 + 6^1$
  $= (12 - 3)^{\sqrt{4+5}} + 6$
  $= 6! + 5 + 4 + 3 \times 2 \times 1.$

- $737 = 1^6 + 2^5 + 3^2 + 4^3 + 5^4 + 6^1$
  $= 12 - (3 - 4) \times 5 + 6!$
  $= 6! - 5 + 4 - 3 + 21.$

- $739 = 1^5 + 2^6 + 3^3 + 4^2 + 5^4 + 6^1$
  $= 12 + 3!! - 4 + 5 + 6$
  $= 6 \times (-5 + 4 \times 32) + 1.$

- $741 = -1^6 + 2^1 + 3^5 + 4^4 + 5^2 + 6^3$
  $= (12/3)^{\sqrt{4}} + 5 + 6!$
  $= 6 \times (5! + 4 + 3) - 21.$

- $743 = 1^6 + 2^1 + 3^5 + 4^4 + 5^2 + 6^3$
  $= 1 - 23 + 45 + 6!$
  $= 6! - 5 - 4 + 32 \times 1.$

- $745 = -1^1 + 2^5 + 3^6 - 4^4 + 5^2 + 6^3$
  $= (1 \times 2 + 3) \times 4 + 5 + 6!$
  $= 6 - 5 + 4! \times (32 - 1).$

- $747 = -1^5 + 2^6 + 3^3 - 4^1 + 5^4 + 6^2$
  $= 1 \times 2^3 + 4! - 5 + 6!$
  $= 6! + 5 + 43 - 21.$

- $749 = 1^5 + 2^6 + 3^3 - 4^1 + 5^4 + 6^2$
  $= 1 - 23 \times 4 + 5! + 6!$
  $= 6 \times 5! + 4! + 3 + 2 \times 1.$

- $751 = 1^5 + 2^6 - 3^2 + 4^3 + 5^4 + 6^1$
  $= -1 + 2 \times 3! + 4 \times 5 + 6!$
  $= 6 + 5^4 + (3! - 2 + 1)!.$

- $753 = -1^6 + 2^5 - 3^1 + 4^3 + 5^4 + 6^2$
  $= 1 \times 23 + \sqrt{4} \times 5 + 6!$
  $= 6 + (5! + 4) \times 3! + 2 + 1.$

- $755 = -1^5 + 2^6 + 3^3 + 4^1 + 5^4 + 6^2$
  $= (1 + 2)!! + 34 - 5 + 6$
  $= 6! + 5 + 4! + 3 \times 2 \times 1.$

- $757 = 1^5 + 2^6 + 3^3 + 4^1 + 5^4 + 6^2$
  $= 12 + (3 + \sqrt{4}) \times 5 + 6!$
  $= 6! - 5 + (4! - 3) \times 2 \times 1.$

- $759 = -1^6 + 2^5 + 3^1 + 4^3 + 5^4 + 6^2$
  $= 1^2 \times 34 + 5 + 6!$
  $= 65 \times 4 \times 3 - 21.$

- $761 = 1^6 + 2^5 + 3^1 + 4^3 + 5^4 + 6^2$
  $= 12 + 34 - 5 + 6!$
  $= 6! - 5 + 43 + 2 + 1.$

- $763 = 1^1 - 2^5 + 3^6 + 4^4 + 5^2 - 6^3$
  $= (12/3)! + 4! - 5 + 6!$
  $= 6! - 5 + 4! + 3 + 21.$

- $765 = 1^5 - 2^6 + 3^1 - 4^2 + 5^4 + 6^3$
  $= (12 + 3) \times (45 + 6)$
  $= 6 \times (5! + \sqrt{4}) + 32 + 1.$

- $767 = -1^5 + 2^6 + 3^2 + 4^3 + 5^4 + 6^1$
  $= 1 + 2 \times (3 + 4 \times 5) + 6!$
  $= 6! + 5! - 4! \times 3 - 2 + 1.$

- $769 = 1^5 + 2^6 + 3^2 + 4^3 + 5^4 + 6^1$
  $= 12/3 + 45 + 6!$
  $= 6 - 5 + 4! \times 32 \times 1.$

- $771 = -1^5 - 2^6 - 3^2 + 4^1 + 5^4 + 6^3$
  $= 12 + 3!! + 45 - 6$
  $= 6 + (5! + 4) \times 3! + 21.$

- $773 = 1^5 - 2^6 - 3^2 + 4^1 + 5^4 + 6^3$
  $= 1 + (2 \times 3)! - 4 + 56$
  $= 6! + 5! - 4 - 3 \times 21.$

- $775 = 1^2 + 2^6 + 3^5 + 4^4 - 5^1 + 6^3$
  $= 1 + (2 \times 3)! + (4 + 5) \times 6$
  $= (6 - 5 + 4!) \times (32 - 1).$

- $777 = -1^5 + 2^2 + 3^6 + 4^4 + 5^1 - 6^3$
  $= (1 + 2)!! + 3! + 45 + 6$
  $= 65 \times 4 \times 3 - 2 - 1.$

- $779 = 1^5 + 2^2 + 3^6 + 4^4 + 5^1 - 6^3$
  $= -1 + (2 \times 3)! + 4 + 56$
  $= 6! - 5 + 43 + 21.$

- $781 = 1^4 - 2^5 + 3^6 + 4^3 + 5^2 - 6^1$
  $= 1^2 + 3!! + 4 + 56$
  $= 6 \times 5 \times \sqrt{4} + (3 \times 2)! + 1.$

- $783 = -1^2 + 2^6 + 3^5 + 4^4 + 5^1 + 6^3$
  $= 1 \times 2^{3!} + 4 - 5 + 6!$
  $= 6! \times (5 - 4) + 3 \times 21.$

- $785 = 1^2 + 2^6 + 3^5 + 4^4 + 5^1 + 6^3$
  $= (1 + 2)^{3 \times \sqrt{4}} + 56$
  $= 65 \times (4 - 3) + (2 + 1)!!.$

- $787 = 1^5 + 2^6 - 3^1 + 4^3 + 5^4 + 6^2$
  $= 12 \times 3 \times \sqrt{4} - 5 + 6!$
  $= 6 \times 5! + 4 + 3 \times 21.$

- $789 = -1^5 - 2^6 + 3^2 + 4^1 + 5^4 + 6^3$
  $= 1 + 23 + 45 + 6!$
  $= 6! + 5 + 43 + 21.$

- $791 = -1^5 + 2^6 + 3^1 + 4^3 + 5^4 + 6^2$
  $= 1 + 2 \times (3 + 4) \times 5 + 6!$
  $= 6! + 5! - 43 - (2 + 1)!.$

- $793 = 1^5 + 2^6 + 3^1 + 4^3 + 5^4 + 6^2$
  $= 1 \times 2 \times 34 + 5 + 6!$
  $= (65 - 4) \times (3! \times 2 + 1).$

- $795 = -1^5 + 2^1 + 3^6 + 4^4 + 5^2 - 6^3$
  $= (1 + 2) \times (3 + \sqrt{4}) \times 5 + 6!$
  $= -6 + 5! \times 4 + 321.$

- $797 = 1^5 + 2^1 + 3^6 + 4^4 + 5^2 - 6^3$
  $= 1^2 + 3^4 - 5 + 6!$
  $= 6! + 54 + (3! - 2)! - 1.$

- $799 = 1^5 - 2^4 + 3^6 - 4^1 + 5^3 - 6^2$
  $= 1 + (-2 + 3 \times 45) \times 6$
  $= 6! + 5 + 4! \times 3 + 2 \times 1.$

- $801 = -1^4 - 2^5 + 3^6 + 4^3 + 5^1 + 6^2$
  $= 12 \times 3! + 4 + 5 + 6!$
  $= 65 \times 4 \times 3 + 21.$

- $803 = -1^1 + 2^6 + 3^5 + 4^4 + 5^2 + 6^3$
  $= -1 - 2 - 34 + 5! + 6!$
  $= 6! + 5 \times 4 + 3 \times 21.$

- $805 = 1^1 + 2^6 + 3^5 + 4^4 + 5^2 + 6^3$
  $= 1 \times 23 \times (4! + 5 + 6)$
  $= 6! + 54 + 32 - 1.$

- $807 = 1^2 + 2^5 + 3^6 + 4^4 + 5^1 - 6^3$
  $= 1^2 + 3^4 + 5 + 6!$
  $= 6 \times 5 \times (4! + 3) - 2 - 1.$

- $809 = 1^5 - 2^4 + 3^6 + 4^3 + 5^2 + 6^1$
  $= 1 - 2 + 3 \times 45 \times 6$
  $= 6! + 54 + 3!^2 - 1.$

- $811 = -1^4 - 2^5 + 3^6 - 4^2 + 5^3 + 6^1$
  $= -1 + 2 + (3 \times 45) \times 6$
  $= 6! + 5! + 4 - 32 - 1.$

- $813 = -1^6 + 2^2 + 3^5 - 4^3 + 5^4 + 6^1$
  $= 1 + 2 + (3 + 4!) \times 5 \times 6$
  $= 6 \times 5 \times (4! + 3) + 2 + 1.$

- $815 = 1^6 + 2^2 + 3^5 - 4^3 + 5^4 + 6^1$
  $= -1 + 2 \times 3!! - 4! + 5! - 6!$
  $= 65 + 4! + 3!! + (2 + 1)!.$

- $817 = -1^5 - 2^4 + 3^6 + 4^3 + 5^1 + 6^2$
  $= 1^2 3 - 4! + 5! + 6!$
  $= 6! + 5! + 4 - 3! - 21.$

- $819 = 1^5 - 2^4 + 3^6 + 4^3 + 5^1 + 6^2$
  $= (1 + 2) \times (3 + 45 \times 6)$
  $= (-6 - 5 + 4!) \times 3 \times 21.$

- $821 = -1^6 - 2^5 + 3^2 + 4^1 + 5^4 + 6^3$
  $= -1 \times 23 + 4 + 5! + 6!$
  $= 6! + 5! - 4! + 3 \times 2 - 1.$

- $823 = 1^6 - 2^5 + 3^2 + 4^1 + 5^4 + 6^3$
  $= 123 - 4 \times 5 + 6!$
  $= 6! + 5! - 4! + 3 \times 2 + 1.$

- $825 = -1^1 + 2^5 + 3^6 + 4^4 + 5^2 - 6^3$
  $= (1 \times 23 - \sqrt{4}) \times 5 + 6!$
  $= 6 + 5! \times (4 + 3) - 21.$

- $827 = 1^1 + 2^5 + 3^6 + 4^4 + 5^2 - 6^3$
  $= -12 + 3 - 4 + 5! + 6!$
  $= 6 \times (5! - \sqrt{4}) + (3 + 2)! - 1.$

- $829 = 1^6 - 2^5 + 3^1 + 4^2 + 5^4 + 6^3$
  $= -1 + (2 \times 3)! - 4 + 5! - 6$
  $= 6! + 5! + 4 + 3! - 21.$

- $831 = -1^4 - 2^6 - 3^2 + 4^5 - 5^3 + 6^1$
  $= -1 + (2 \times 3)! - \sqrt{4} + 5! - 6$
  $= 6 \times 5 \times (4! + 3) + 21.$

- $833 = 1^4 - 2^5 + 3^6 + 4^2 + 5^3 - 6^1$
  $= -1^2 + (3 + 4) \times 5! - 6$
  $= 6! - 5 - \sqrt{4} + (3! - 2 + 1)!.$

- $835 = 1^2 - 2^5 + 3^6 + 4^4 - 5^3 + 6^1$
  $= 1^2 + (3 + 4) \times 5! - 6$
  $= 6! + (54 + 3) \times 2 + 1.$

- $837 = 1^3 - 2^6 + 3^5 - 4^1 + 5^4 + 6^2$
  $= 1 + (2 \times 3)! + \sqrt{4} + 5! - 6$
  $= 6! + 54 + 3 \times 21.$

- $839 = -1^5 + 2^4 + 3^6 + 4^3 + 5^2 + 6^1$
  $= 1 - 2 + 3!! + 4 \times 5 \times 6$
  $= 6 \times 5 \times (-4 + 32) - 1.$

- $841 = 1^5 + 2^4 + 3^6 + 4^3 + 5^2 + 6^1$
  $= 1^2 34 + 5! + 6!$
  $= 6 \times 5 \times (-4 + 32) + 1.$

- $843 = 1^6 + 2^1 + 3^5 - 4^3 + 5^4 + 6^2$
  $= -1 - 2 + 3!! + 4! \times 5 + 6$
  $= 6! + 5! - \sqrt{4} + 3 \times 2 - 1.$

- $845 = 1^4 - 2^5 + 3^6 + 4^2 + 5^3 + 6^1$
  $= 1 - 2 + (3 + 4) \times 5! + 6$
  $= 65 \times ((4 + 3) \times 2 - 1).$

- $847 = 1^6 + 2^4 - 3^1 + 4^5 + 5^2 - 6^3$
  $= (1 + 2)! - 3 + 4 + 5! + 6!$
  $= 6 + 5! \times (4 + 3) + 2 - 1.$

- $849 = -1^5 + 2^4 + 3^6 + 4^3 + 5^1 + 6^2$
  $= 1 + 2 + (3 + 4) \times 5! + 6$
  $= (6!/5 - \sqrt{4}) \times 3! - 2 - 1.$

- $851 = 1^5 + 2^4 + 3^6 + 4^3 + 5^1 + 6^2$
  $= 12 - 3 + \sqrt{4} + 5! + 6!$
  $= 6! + 5! + \sqrt{4} + 3! + 2 + 1.$

- $853 = 1^6 + 2^4 + 3^1 + 4^5 + 5^2 - 6^3$
  $= 123 + \sqrt{4} \times 5 + 6!$
  $= 65 \times \sqrt{4} + 3!! + 2 + 1.$

- $855 = 1^4 - 2^5 + 3^6 - 4^1 + 5^3 + 6^2$
  $= 1 + 2 + 3 \times 4 + 5! + 6!$
  $= (6!/5 - \sqrt{4}) \times 3! + 2 + 1.$

- $857 = 1^4 + 2^5 + 3^6 + 4^3 + 5^2 + 6^1$
  $= 1 \times (2 + 3 \times 45) + 6!$
  $= -6 + 5! + \sqrt{4} + 3!! + 21.$

- $859 = 1^5 + 2^2 + 3^6 + 4^4 - 5^3 - 6^1$
  $= 12 \times 3 \times 4 - 5 + 6!$
  $= 6! + 5 \times (-4 + 32) - 1.$

- $861 = 1^5 - 2^4 + 3^6 + 4^2 + 5^3 + 6^1$
  $= (1 + 2)! + 3 \times 45 + 6!$
  $= 6! + 5 \times (-4 + 32) + 1.$

- $863 = 1^4 - 2^5 + 3^6 + 4^1 + 5^3 + 6^2$
  $= 12^3/\sqrt{4} + 5 - 6$
  $= 6!/5 + \sqrt{4} \times 3!!/2 - 1.$

- $865 = 1^1 - 2^5 + 3^6 + 4^4 - 5^3 + 6^2$
  $= 12^3/\sqrt{4} - 5 + 6$
  $= 6! + 5 \times (-4 + 32 + 1).$

- $867 = 1^4 + 2^5 + 3^6 + 4^3 + 5^1 + 6^2$
  $= 12 + 3 \times 45 + 6!$
  $= 6! \times 5/4 - 32 - 1.$

- $869 = -1^5 + 2^2 + 3^6 + 4^4 - 5^3 + 6^1$
  $= (-1 \times 2 + 3^4) \times (5 + 6)$
  $= 6! + 5! - 4 + 32 + 1.$

- $871 = 1^5 + 2^2 + 3^6 + 4^4 - 5^3 + 6^1$
  $= -1 - 2 + 34 + 5! + 6!$
  $= 6! + 5! + 4 + 3! + 21.$

- $873 = -1^2 - 2^6 + 3^5 + 4^3 + 5^4 + 6^1$
  $= 1 - 2 + 34 + 5! + 6!$
  $= -6 \times 5 + 43 \times 21.$

- $875 = 1^2 + 2^6 + 3^5 - 4^3 + 5^4 + 6^1$
  $= 12 \times 3 \times 4! + 5 + 6$
  $= 6! + 5! + 4 + 32 - 1.$

- $877 = 1^4 + 2^6 + 3^2 + 4^5 - 5^1 - 6^3$
  $= 1 + 2 + 34 + 5! + 6!$
  $= 6! + 5! + 43 - (2 + 1)!.$

- $879 = 1^6 + 2^5 + 3^2 - 4^1 + 5^4 + 6^3$
  $= -12 + 3^4 \times (5 + 6)$
  $= 6 \times \sqrt{5^4} \times 3! - 21.$

- $881 = 1^1 + 2^2 + 3^6 - 4^5 - 5^3 + 6^4$
  $= 1 + (-2 + 34) \times 5 + 6!$
  $= 6! + 54 \times 3 - 2 + 1.$

- $883 = 1^6 - 2^3 + 3^5 + 4^2 + 5^4 + 6^1$
  $= -12 + 3!!/4 - 5 + 6!$
  $= 6! + 5! + 43 \times (2 - 1).$

- $885 = -1^6 + 2^5 + 3^2 + 4^1 + 5^4 + 6^3$
  $= -1 + 23 \times \sqrt{4} + 5! + 6!$
  $= 6! + 5! + 43 + 2 \times 1.$

- $887 = 1^6 + 2^5 + 3^2 + 4^1 + 5^4 + 6^3$
  $= -1 - 2 + 34 \times 5 + 6!$
  $= 6! - 5! + 4! \times 3! \times 2 - 1.$

- $889 = 1^6 + 2^2 + 3^4 + 4^5 - 5^1 - 6^3$
  $= -1^2 + 34 \times 5 + 6!$
  $= 6! + 5! + 43 + (2 + 1)!.$

- $891 = -1^5 + 2^4 + 3^6 + 4^2 + 5^3 + 6^1$
  $= -1 - 2 + 3!! + (4! + 5) \times 6$
  $= (6!/5 + 4) \times 3! + 2 + 1.$

- $893 = 1^5 + 2^4 + 3^6 + 4^2 + 5^3 + 6^1$
  $= 1 - 2 + 3!! + (4! + 5) \times 6$
  $= 6 \times (5! + 4! + 3 + 2) - 1.$

- $895 = 1^5 - 2^1 + 3^6 + 4^4 - 5^3 + 6^2$
  $= (-1 + 2 + 34) \times 5 + 6!$
  $= (6 \times 5)^{\sqrt{4}} - 3 - 2 \times 1.$

- $897 = -1^5 + 2^1 + 3^6 + 4^4 - 5^3 + 6^2$
  $= 1 \times 23 \times (45 - 6)$
  $= 6 \times (5! + 4!) + 32 + 1.$

- $899 = 1^6 + 2^3 + 3^5 + 4^2 + 5^4 + 6^1$
  $= -1 + 2 \times (-3! + 456)$
  $= 6! + 5! - 4 + 3 \times 21.$

- $901 = 1^6 - 2^3 + 3^5 + 4^1 + 5^4 + 6^2$
  $= 1 + 2 \times (-3! + 456)$
  $= 6! + 5! + 4^3 - 2 - 1.$

- $903 = 1^5 + 2^4 + 3^6 - 4^1 + 5^3 + 6^2$
  $= 12 + 3^4 \times (5 + 6)$
  $= (6 - 5) \times 43 \times 21.$

- $905 = 1^1 + 2^6 + 3^5 - 4^3 + 5^4 + 6^2$
  $= -1 + 2 \times (-3 + 456)$
  $= (6 \times 5)^{\sqrt{4}} + 3 + 2 \times 1.$

- $907 = -1^4 + 2^5 + 3^6 + 4^2 + 5^3 + 6^1$
  $= 1 + 2 \times (-3 + 456)$
  $= 6! + 5! + 4 + 3 \times 21.$

- $909 = 1^4 + 2^5 + 3^6 + 4^2 + 5^3 + 6^1$
  $= 1 + 2 + 3!!/4 \times 5 + 6$
  $= 65 \times (4 + 3) \times 2 - 1.$

- $911 = 1^5 + 2^4 + 3^6 + 4^1 + 5^3 + 6^2$
  $= 1 - 2 + 3 \times 4! + 5! + 6!$
  $= 65 \times (4 + 3) \times 2 + 1.$

- $913 = 1^6 - 2^1 + 3^4 + 4^5 + 5^2 - 6^3$
  $= (1 \times 2 + 3^4) \times (5 + 6)$
  $= (-6 + 5!) \times \sqrt{4^3} + 2 - 1.$

- $915 = -1^6 + 2^3 + 3^5 + 4^1 + 5^4 + 6^2$
  $= (1 + 2)!!/3 - 45 + 6!$
  $= (65 - 4) \times (-3! + 21).$

- $917 = 1^6 + 2^3 + 3^5 + 4^1 + 5^4 + 6^2$
  $= -1 + 2 \times (3 + 456)$
  $= 6! - 5! - 4 + 321.$

- $919 = 1^5 + 2^6 + 3^2 + 4^1 + 5^4 + 6^3$
  $= (1 + 2)! \times 34 - 5 + 6!$
  $= 6! - 5! - \sqrt{4} + 321.$

- $921 = 1^3 - 2^6 - 3^4 + 4^5 + 5^1 + 6^2$
  $= (1 + 2 + 3!!/4) \times 5 + 6$
  $= -6 + (5 + 4!) \times 32 - 1.$

- $923 = -1^5 + 2^6 + 3^1 + 4^2 + 5^4 + 6^3$
  $= 1 \times 2 + 3^4 + 5! + 6!$
  $= -6 + (5 + 4!) \times 32 + 1.$

- $925 = 1^5 + 2^6 + 3^1 + 4^2 + 5^4 + 6^3$
  $= 1 + 2 \times (3! - 4! + 5!) + 6!$
  $= 6! - 5! + 4 + 321.$

- $927 = 1^4 + 2^5 + 3^6 + 4^1 + 5^3 + 6^2$
  $= 1 \times 23 \times (4 + 5) + 6!$
  $= 6! + 5! + 43 \times 2 + 1.$

- $929 = 1^1 + 2^5 + 3^6 + 4^4 - 5^3 + 6^2$
  $= 1 + 2^{3!} + 4! + 5! + 6!$
  $= 65 + 4 \times 3!^{2+1}.$

- $931 = 1^6 + 2^4 + 3^2 + 4^5 - 5^3 + 6^1$
  $= (12 - 3) \times 4! - 5 + 6!$
  $= 6! - 5 + 4! \times 3^2 \times 1.$

- $933 = -1^4 - 2^5 + 3^6 + 4^2 + 5^1 + 6^3$
  $= 1 + 23 \times 4 + 5! + 6!$
  $= 6 \times 5 + 43 \times 21.$

- $935 = 1^4 - 2^5 + 3^6 + 4^2 + 5^1 + 6^3$
  $= (6 + 5) \times (4^3 + 21)$
  $= (1 + 2 \times (-3 + 4!)) \times 5 + 6!.$

- $937 = 1^6 + 2^2 - 3^5 + 4^1 - 5^3 + 6^4$
  $= -1 + 2^3 \times (-\sqrt{4} + 5!) - 6$
  $= 6! + 5 \times 43 + 2 \times 1.$

- $939 = -1^5 + 2^4 + 3^6 + 4^1 - 5^2 + 6^3$
  $= (1 + 2)!^3 - \sqrt{4} + 5 + 6!$
  $= 6 \times 5! \times 4/3 - 21.$

- $941 = -1^3 + 2^6 + 3^5 + 4^2 + 5^4 - 6^1$
  $= -1 - 2 + 3!! + 4 \times 56$
  $= 6! + 5 \times 43 + (2 + 1)!.$

- $943 = 1^6 + 2^2 + 3^5 + 4^3 + 5^4 + 6^1$
  $= 1 - 2 + 3!! + 4 \times 56$
  $= 6! - 5! + (4 + 3)^{2+1}.$

- $945 = -1^6 + 2^1 - 3^5 + 4^2 - 5^3 + 6^4$
  $= (-1 + 2^{3!}) \times (4 + 5 + 6)$
  $= (-6 + 54 - 3) \times 21.$

- $947 = 1^6 + 2^1 - 3^5 + 4^2 - 5^3 + 6^4$
  $= -1 + (2 + \sqrt{3!^4} + 5!) \times 6$
  $= 6! + (-5 + 4!) \times 3! \times 2 - 1.$

- $949 = 1^6 + 2^4 - 3^1 + 4^5 - 5^3 + 6^2$
  $= 1 \times 234 - 5 + 6!$
  $= 6! + 5! \times \sqrt{4} - \sqrt{(3 + 2)! + 1}.$

- $951 = 1^5 - 2^4 + 3^6 + 4^2 + 5^1 + 6^3$
  $= -1 + 2 \times (3!! - 4 + 5!) - 6!$
  $= 6! + 5! \times \sqrt{4} - 3^2 \times 1.$

- $953 = -1^3 + 2^6 + 3^5 + 4^2 + 5^4 + 6^1$
  $= -1 + 234 + 5! \times 6$
  $= -6 + 5!/4 \times 32 - 1.$

- $955 = 1^3 + 2^6 + 3^5 + 4^2 + 5^4 + 6^1$
  $= 1 + 2^3 \times 4! \times 5 - 6$
  $= -6 + 5!/4 \times 32 + 1.$

- $957 = -1^5 - 2^4 + 3^6 + 4^1 + 5^2 + 6^3$
  $= (1 + 2)!!/3 - \sqrt{4 + 5} + 6!$
  $= 6!/\sqrt{5 + 4} - 3 + (2 + 1)!!.$

- $959 = 1^2 + 2^6 + 3^4 + 4^5 + 5^1 - 6^3$
  $= 1 \times 234 + 5 + 6!$
  $= 6 \times 5! \times 4/3 - 2 + 1.$

- $961 = 1^4 + 2^6 - 3^2 + 4^5 - 5^3 + 6^1$
  $= 123 \times \sqrt{4} - 5 + 6!$
  $= 6 \times 5! \times 4/3 + 2 - 1.$

- $963 = -1^3 + 2^6 + 3^5 - 4^1 + 5^4 + 6^2$
  $= 12^3 - 45 - 6!$
  $= (6 \times 5)^{\sqrt{4}} + 3 \times 21.$

- $965 = 1^3 + 2^6 + 3^5 - 4^1 + 5^4 + 6^2$
  $= -1 + 2 \times 3!! - 4 \times 5! + 6$
  $= 6 + 5!/4 \times 32 - 1.$

- $967 = 1^6 - 2^1 + 3^5 + 4^3 + 5^4 + 6^2$
  $= 123 + 4 + 5! + 6!$
  $= 6 + 5!/4 \times 32 + 1.$

- $969 = -1^6 + 2^1 + 3^5 + 4^3 + 5^4 + 6^2$
  $= 1 + 2^{3!+4} - 56$
  $= 6 \times 54 \times 3 - 2 - 1.$

- $971 = 1^6 + 2^1 + 3^5 + 4^3 + 5^4 + 6^2$
  $= (12/3)^4 - 5 + 6!$
  $= 6 \times 54 \times 3 - 2 + 1.$

- $973 = 1^3 + 2^6 + 3^5 + 4^1 + 5^4 + 6^2$
  $= 12 \times 3^4 - 5 + 6$
  $= 6! + (5! + 4 + 3) \times 2 - 1.$

- $975 = 1^4 - 2^6 - 3^3 + 4^5 + 5^1 + 6^2$
  $= (1 + 2^{3!}) \times (4 + 5 + 6)$
  $= 654 + 321.$

- $977 = -1^1 + 2^6 + 3^4 + 4^5 + 5^2 - 6^3$
  $= 12 \times (-3 + 4!) + 5 + 6!$
  $= 6! + 5 + 4 \times 3 \times 21.$

- $979 = 1^4 + 2^6 + 3^2 + 4^5 - 5^3 + 6^1$
  $= (-1 + 2 \times 3!) \times 4! - 5 + 6!$
  $= (65 + 4!) \times (3! \times 2 - 1).$

- $981 = -1^5 + 2^4 + 3^6 + 4^2 + 5^1 + 6^3$
  $= -1 - 2 + 3! \times 4! + 5! + 6!$
  $= 654 \times 3/2 \times 1.$

- $983 = 1^5 + 2^4 + 3^6 + 4^2 + 5^1 + 6^3$
  $= 1 \times 23 + \sqrt{4} \times 5! + 6!$
  $= 6 + (5! + \sqrt{4}) \times (3! + 2) + 1.$

- $985 = 1^3 - 2^5 + 3^6 + 4^4 + 5^2 + 6^1$
  $= -1 + 2 + 3! \times 4! + 5! + 6!$
  $= 6! + 5 \times ((4! + 3) \times 2 - 1).$

- $987 = -1^4 + 2^5 + 3^6 + 4^2 - 5^1 + 6^3$
  $= (1 + 2)!! - 3 + 45 \times 6$
  $= 6! - 54 + 321.$

- $989 = -1^5 + 2^4 + 3^6 + 4^1 + 5^2 + 6^3$
  $= 12^3 - 4! + 5 - 6!$
  $= 6! + 54 \times (3 + 2) - 1.$

- $991 = 1^5 + 2^4 + 3^6 + 4^1 + 5^2 + 6^3$
  $= -1 + 2 + 3!! + 45 \times 6$
  $= 6! + 54 \times (3 + 2) + 1.$

- $993 = -1^3 - 2^5 + 3^6 + 4^4 + 5^1 + 6^2$
  $= -1 + 2^{3!+4} - 5 \times 6$
  $= (6 + 5) \times 4! + 3^{(2+1)!}.$

- $995 = 1^3 - 2^5 + 3^6 + 4^4 + 5^1 + 6^2$
  $= -1 \times 23 + 4^5 - 6$
  $= -6! + 5 \times (4 + 3)^{2+1}.$

- $997 = 1^1 + 2^4 - 3^3 + 4^6 - 5^5 + 6^2$
  $= 1 + 2 \times (-3! + 4! + 5!) + 6!$
  $= -6 + (5 \times \sqrt{4})^3 + 2 + 1.$

- $999 = 1^4 + 2^5 + 3^6 + 4^2 + 5^1 + 6^3$
  $= 12^3 - 4 - 5 - 6!$
  $= 6 \times (5! + 43) + 21.$

- $1001 = -1^3 + 2^4 + 3^2 + 4^6 - 5^5 + 6^1$
  $= -1 + 2 \times (-3 + 4! + 5!) + 6!$
  $= 65 \times 4 + 3!! + 21.$

- $1003 = 1^2 + 2^6 + 3^5 + 4^3 + 5^4 + 6^1$
  $= 12 \times 3! \times 4 - 5 + 6!$
  $= 6! + (5! + 4! - 3) \times 2 + 1.$

- $1005 = 1^2 + 2^3 + 3^6 - 4^5 - 5^1 + 6^4$
  $= 1 + 2 + (3 + 4)!/5 - 6$
  $= 6! + (-5 + 4!) \times (-3! + 21).$

- $1007 = 1^4 + 2^5 + 3^6 + 4^1 + 5^2 + 6^3$
  $= 1 - 2 + (-3! + 4!) \times 56$
  $= 6!/5 \times (4 + 3) - 2 + 1.$

- $1009 = 1^5 - 2^3 + 3^6 + 4^4 + 5^2 + 6^1$
  $= -12 + 3 + 4^5 - 6$
  $= 6! + (5! - 4!) \times 3 + 2 - 1.$

- $1011 = 1^3 + 2^2 + 3^6 - 4^5 + 5^1 + 6^4$
  $= -1 - 2 \times 3 + 4^5 - 6$
  $= 6!/5 \times (4 + 3) + 2 + 1.$

- $1013 = 1^6 - 2^1 - 3^5 - 4^3 + 5^2 + 6^4$
  $= -1 \times 2 - 3 + 4^5 - 6$
  $= 654 + 3!!/2 - 1.$

- $1015 = 1^2 + 2^3 + 3^6 - 4^5 + 5^1 + 6^4$
  $= -12 - 3 + 4^5 + 6$
  $= 6! + 5 \times (-4 + 3 \times 21).$

- $1017 = -1^5 - 2^3 + 3^6 + 4^4 + 5^1 + 6^2$
  $= 1 \times 2 - 3 + 4^5 - 6$
  $= 6!/5 \times \sqrt{4} + 3^{2+1}!.$

- $1019 = 1^5 - 2^3 + 3^6 + 4^4 + 5^1 + 6^2$
  $= 1 - 2 + 34 \times 5 \times 6$
  $= (6 \times 5)^{\sqrt{4}} + (3 + 2)! - 1.$

- $1021 = 1^2 + 2^4 + 3^3 + 4^6 - 5^5 + 6^1$
  $= 1^2 + 34 \times 5 \times 6$
  $= (6 \times 5)^{\sqrt{4}} + (3 + 2)! + 1.$

- $1023 = -1^5 + 2^3 + 3^6 + 4^4 + 5^2 + 6^1$
  $= 1 \times 2 + 3 + 4^5 - 6$
  $= 6! + 54 \times 3! - 21.$

- $1025 = 1^5 + 2^3 + 3^6 + 4^4 + 5^2 + 6^1$
  $= 1 + 2 \times 3 + 4^5 - 6$
  $= 6 - 5 + 4^{3+2\times1}.$

- $1027 = -1^3 + 2^1 + 3^6 - 4^5 + 5^2 + 6^4$
  $= (1 - 2) \times 3 + 4^5 + 6$
  $= 6! - 54 + 3!!/2 + 1.$

- $1029 = 1^3 + 2^1 + 3^6 - 4^5 + 5^2 + 6^4$
  $= (1 + 2) \times 345 - 6$
  $= 6! + (5! - 4!) \times 3 + 21.$

- $1031 = -1^1 + 2^6 + 3^5 + 4^3 + 5^4 + 6^2$
  $= 1 + (-2 + 3) \times 4^5 + 6$
  $= 6! - 5! + 432 - 1.$

- $1033 = 1^1 + 2^6 + 3^5 + 4^3 + 5^4 + 6^2$
  $= \sqrt{12 - 3} + 4^5 + 6$
  $= 6! - 5! + 432 + 1.$

- $1035 = 1^5 + 2^3 + 3^6 + 4^4 + 5^1 + 6^2$
  $= 1 \times 2 + 3 + 4^5 + 6$
  $= (65 + 4) \times (-3! + 21).$

- $1037 = 1^4 + 2^1 + 3^3 + 4^6 - 5^5 + 6^2$
  $= 1 + 2 \times 3 + 4^5 + 6$
  $= 6! + 5 \times 4^3 - 2 - 1.$

- $1039 = 1^2 + 2^6 + 3^4 + 4^5 - 5^3 - 6^1$
  $= 12 - 3 + 4^5 + 6$
  $= 6! + 5 \times 4^3 - 2 + 1.$

- $1041 = 1^1 - 2^6 - 3^4 + 4^5 + 5^3 + 6^2$
  $= (1 + 2) \times 345 + 6$
  $= 6 \times 54 + 3!! - 2 - 1.$

- $1043 = -1^6 + 2^4 - 3^3 + 4^5 + 5^2 + 6^1$
  $= -1 + 2 \times 3 \times (4! + 5) \times 6$
  $= 6! + 54 \times 3 \times 2 - 1.$

• $1045 = 1^6 + 2^4 - 3^3 + 4^5 + 5^2 + 6^1$
$= 1 + 2 \times 3 \times (4! + 5) \times 6$
$= 6 \times 5! + 4 + 321.$

• $1047 = -1^3 + 2^5 + 3^6 + 4^4 + 5^2 + 6^1$
$= 1 + 2 + 3! \times (4! + 5) \times 6$
$= 6 \times 54 + 3!! + 2 + 1.$

• $1049 = 1^3 + 2^5 + 3^6 + 4^4 + 5^2 + 6^1$
$= 12 \times (3 + 4!) + 5 + 6!$
$= 6! + 5 \times (4^3 + 2) - 1.$

• $1051 = 1^1 + 2^4 + 3^3 + 4^6 - 5^5 + 6^2$
$= -1 + 2 + (3!!/4 - 5) \times 6$
$= 6! + 5 \times (4^3 + 2) + 1.$

• $1053 = -1^6 + 2^4 - 3^3 + 4^5 + 5^1 + 6^2$
$= -12 + 345 + 6!$
$= 6 \times 54 + 3^{2+1}!.$

• $1055 = 1^6 + 2^4 - 3^3 + 4^5 + 5^1 + 6^2$
$= (-1 + 2 \times 34) \times 5 + 6!$
$= 6! - \sqrt{5^4} + 3!!/2 \times 1.$

• $1057 = -1^3 + 2^5 + 3^6 + 4^4 + 5^1 + 6^2$
$= (1 + 2)^3 + 4^5 + 6$
$= 6! + (5 + \sqrt{4})^3 - (2 + 1)!.$

• $1059 = 1^3 + 2^5 + 3^6 + 4^4 + 5^1 + 6^2$
$= (1 + 2)!! + 345 - 6$
$= 6! + 5 \times 4! \times 3 - 21.$

• $1061 = -1^3 + 2^2 + 3^4 + 4^6 - 5^5 + 6^1$
$= 1 + 2 \times 34 \times 5 + 6!$
$= 6! + 5 \times 4 + 321.$

• $1063 = 1^3 + 2^2 + 3^4 + 4^6 - 5^5 + 6^1$
$= -1 \times 2 + 345 + 6!$
$= (6 + 5 - 4)^3 + (2 + 1)!!.$

• $1065 = -1^6 - 2^4 + 3^3 + 4^5 + 5^2 + 6^1$
$= 1 + (23 - 4) \times 56$
$= -6 + (54 - 3) \times 21.$

• $1067 = 1^6 - 2^3 - 3^5 + 4^2 + 5^1 + 6^4$
$= 1 \times 2 + 345 + 6!$
$= 6! + (5! - 4) \times 3 - 2 + 1.$

• $1069 = -1^6 - 2^2 - 3^4 + 4^5 + 5^3 + 6^1$
$= (1 + 2)!! \times 3/\sqrt{4} - 5 - 6$
$= 6! + (5! - 4) \times 3 + 2 - 1.$

• $1071 = -1^3 - 2^6 + 3^4 + 4^5 + 5^2 + 6^1$
$= -1 - 2 + \sqrt{3^4} \times 5! - 6$
$= (-6 + 54 + 3) \times 21.$

• $1073 = 1^6 + 2^3 - 3^5 + 4^2 - 5^1 + 6^4$
$= -1 + 234 + 5! + 6!$
$= (-6 + 543) \times 2 - 1.$

• $1075 = 1^6 - 2^3 - 3^5 + 4^1 + 5^2 + 6^4$
$= 1 + 234 + 5! + 6!$
$= (-6 + 543) \times 2 + 1.$

• $1077 = -1^1 + 2^6 - 3^5 - 4^3 + 5^2 + 6^4$
$= 12 + 345 + 6!$
$= 6 + (54 - 3) \times 21.$

• $1079 = 1^1 + 2^6 - 3^5 - 4^3 + 5^2 + 6^4$
$= -1 + 2 \times (3 + \sqrt{4})! + 5! + 6!$
$= -6 + 543 \times 2 - 1.$

• $1081 = 1^1 + 2^6 + 3^4 + 4^5 - 5^3 + 6^2$
$= 1 + 2^{3!+4} + 56$
$= -6 + 543 \times 2 + 1.$

• $1083 = 1^6 + 2^3 - 3^5 + 4^2 + 5^1 + 6^4$
$= -1 - 2 + \sqrt{3^4} \times 5! + 6$
$= (6 + (5 - \sqrt{4}) \times 3!!)/2 \times 1.$

• $1085 = 1^2 - 2^5 + 3^6 + 4^4 + 5^3 + 6^1$
$= 12 \times 3!!/4! + 5 + 6!$
$= (6 + \sqrt{5^4}) \times (3!^2 - 1).$

• $1087 = 1^3 - 2^1 + 3^4 + 4^6 - 5^5 + 6^2$
$= -1 + 2 + 3 \times (\sqrt{4} + 5!) + 6!$
$= (6 \times 5 + 4) \times 32 - 1.$

• $1089 = -1^3 + 2^1 + 3^4 + 4^6 - 5^5 + 6^2$
$= (1 + 2) \times (3 + 4! \times 5) + 6!$
$= 6! + 5 + 4 + 3!!/2 \times 1.$

• $1091 = 1^6 + 2^3 - 3^5 + 4^1 + 5^2 + 6^4$
$= (1 + 2)!! \times 3/\sqrt{4} + 5 + 6$
$= 6 + 543 \times 2 - 1.$

• $1093 = 1^6 + 2^2 + 3^5 + 4^1 + 5^4 + 6^3$
$= -1 + 2 + 3 \times (4 + 5!) + 6!$
$= 6 + 543 \times 2 + 1.$

• $1095 = -1^1 + 2^3 + 3^4 + 4^6 - 5^5 + 6^2$
$= -1 + 2^{3!} \times 4 + 5! + 6!$
$= 6! + 54 + 321.$

• $1097 = 1^1 + 2^3 + 3^4 + 4^6 - 5^5 + 6^2$
$= 12 + 3!!/\sqrt{4} + 5 + 6!$
$= (6 + 543) \times 2 - 1.$

• $1099 = 1^6 + 2^4 + 3^3 + 4^5 + 5^2 + 6^1$
$= -1 + 2 \times (-34 \times 5 + 6!)$
$= (6 + 543) \times 2 + 1.$

• $1101 = -1^6 + 2^1 + 3^5 + 4^2 + 5^4 + 6^3$
$= 123 \times (4 + 5) - 6$
$= 6! + 5 \times 4! \times 3 + 21.$

• $1103 = 1^6 + 2^1 + 3^5 + 4^2 + 5^4 + 6^3$
$= -1 + 2 \times 3! \times \sqrt{4^5} + 6!$
$= 6 \times (5! + 4^3) - 2 + 1.$

• $1105 = -1^6 + 2^1 - 3^4 + 4^5 + 5^3 + 6^2$
$= 1 + 2 \times 3! \times \sqrt{4^5} + 6!$
$= 6! + \sqrt{5^4} + 3!!/2 \times 1.$

• $1107 = -1^5 + 2^2 + 3^6 + 4^4 + 5^3 - 6^1$
$= 123 \times (\sqrt{4 + 5} + 6)$
$= -6! + (5 + 4!) \times 3 \times 21.$

• $1109 = 1^6 + 2^4 + 3^3 + 4^5 + 5^1 + 6^2$
$= 1 - 2 + (3!!/4 - 5) \times 6$
$= 6! + 5 + 4! + 3!!/2 \times 1.$

• $1111 = 1^2 - 2^5 + 3^6 + 4^1 + 5^4 - 6^3$
$= -1 + 2^{3^{\sqrt{4}}} - 5! + 6!$
$= (6 + 5) \times ((4 + 3!)^2 + 1).$

### 2.5.2 In Terms of Digits 2, 3, 4, 5, 6 and 7

- $3 = 2^7 - 3^3 + 4^2 - 5^6 - 6^4 + 7^5$
  $= (-2 + 34 - 5 - 6)/7$
  $= (7 + 65)/(4 \times 3 \times 2)$.

- $7 = 2^6 + 3^7 - 4^5 + 5^3 - 6^4 - 7^2$
  $= -2 - 3 + 4 + 56/7$
  $= 7 \times (6 - 5)^{432}$.

- $11 = -2^7 + 3^6 + 4^5 + 5^2 - 6^4 - 7^3$
  $= 23 - 4 - 56/7$
  $= \sqrt{76 + 54 - 3^2}$.

- $15 = -2^2 - 3^6 + 4^7 - 5^3 + 6^4 - 7^5$
  $= 2 - 34 + 5 + 6 \times 7$
  $= 76 - 5 - 4! - 32$.

- $23 = 2^2 - 3^6 + 4^7 - 5^3 + 6^4 - 7^5$
  $= 23 \times (-4 + 5 + 6)/7$
  $= 7 \times 65 - 432$.

- $25 = 2^7 + 3^3 - 4^2 - 5^6 - 6^4 + 7^5$
  $= (-2 + 34) \times (-5 + 6) - 7$
  $= 7 + 6^5/432$.

- $29 = -2^7 + 3^3 + 4^2 + 5^6 + 6^4 - 7^5$
  $= 2 \times (3 + 45) - 67$
  $= (7 - 6)^5 - 4 + 32$.

- $33 = 2^6 - 3^7 - 4^2 + 5^5 - 6^4 + 7^3$
  $= (2 + 3) \times 4 \times 5 - 67$
  $= (76 - 54) \times 3/2$.

- $35 = -2^7 + 3^6 - 4^5 + 5^4 - 6^3 + 7^2$
  $= 2345/67$
  $= 7 + 6 + 54 - 32$.

- $37 = -2^6 - 3^4 - 4^7 - 5^2 - 6^3 + 7^5$
  $= 2 + 3 + 45 - 6 - 7$
  $= \sqrt{-7 + 6 - 5 + 43^2}$.

- $39 = 2^7 - 3^6 - 4^5 + 5^2 + 6^4 + 7^3$
  $= (-2 + 34) \times (-5 + 6) + 7$
  $= -7 + 6 - 5 + 43 + 2$.

- $41 = -2^7 - 3^2 + 4^3 + 5^6 + 6^4 - 7^5$
  $= 2 + 34 + 5 \times (-6 + 7)$
  $= 7 - 6 - 5 + 43 + 2$.

- $45 = -2^2 + 3^5 + 4^7 - 5^6 - 6^4 + 7^3$
  $= 23 - 45 + 67$
  $= 76 + 5 - 4 - 32$.

- $49 = -2^4 + 3^6 + 4^7 - 5^2 - 6^3 - 7^5$
  $= 2 - 3! + 4 + 56 - 7$
  $= 7 + 6 + 54/3 \times 2$.

- $53 = 2^2 + 3^5 + 4^7 - 5^6 - 6^4 + 7^3$
  $= 2^3 - 4 + 56 - 7$
  $= 76 + 5 + 4 - 32$.

- $57 = 2^7 + 3^3 + 4^2 - 5^6 - 6^4 + 7^5$
  $= 2 - 3 - 4 - 5 + 67$
  $= (76 - 5 + 43)/2$.

- $59 = -2^7 + 3^2 + 4^3 + 5^6 + 6^4 - 7^5$
  $= -2 + 3 + 45 + 6 + 7$
  $= 7 + 6 + 5 + 43 - 2$.

- $63 = 2^7 - 3^6 + 4^5 - 5^4 + 6^3 + 7^2$
  $= 2 + 3 + 45 + 6 + 7$
  $= 7 + 6 + 5 + 43 + 2$.

- $65 = 2^6 - 3^7 + 4^2 + 5^5 - 6^4 + 7^3$
  $= 2^3/4 + 56 + 7$
  $= -7 + 6 \times (-5 \times 4 + 32)$.

- $67 = -2^7 - 3^6 - 4^2 + 5^5 + 6^3 - 7^4$
  $= 2 \times (3 \times 4! - 5) - 67$
  $= 7 + 65 - 4 - 3 + 2$.

- $69 = 2^6 - 3^2 - 4^7 - 5^4 + 6^3 + 7^5$
  $= 23 \times 4!/(56/7)$
  $= 76 - 5 + 4 - 3 \times 2$.

- $75 = -2^6 - 3^3 + 4^7 + 5^4 - 6^2 - 7^5$
  $= 2 \times 34 \times (-5 + 6) + 7$
  $= 76 - 5 + 4 \times (3 - 2)$.

- $77 = -2^7 + 3^6 - 4^2 - 5^5 + 6^3 + 7^4$
  $= 2 \times (34 + 5) + 6 - 7$
  $= 7 \times (65 - 43)/2$.

- $79 = 2^7 + 3^6 - 4^5 + 5^4 - 6^2 - 7^3$
  $= 2 \times (34 + 5) - 6 + 7$
  $= 7 + 6 \times (-5 \times 4 + 32)$.

- $81 = 2^4 + 3^6 + 4^7 - 5^2 - 6^3 - 7^5$
  $= 23 - 4 - 5 + 67$
  $= 76 - 5 + 4 + 3 \times 2$.

- $87 = 2^6 + 3^2 - 4^7 - 5^4 + 6^3 + 7^5$
  $= -2 + 3^4 - 5 + 6 + 7$
  $= (7 + 65 \times 4)/3 - 2$.

- $95 = 2^7 - 3^6 - 4^3 + 5^5 + 6^2 - 7^4$
  $= 2 + 3 \times 45 - 6 \times 7$
  $= 76 - 5 + 4 \times 3 \times 2$.

- $99 = -2^2 - 3^6 - 4^7 + 5^4 - 6^3 + 7^5$
  $= 2 + 34 + 56 + 7$
  $= 76 - 5 - 4 + 32$.

- $101 = 2^7 - 3^2 - 4^6 + 5^5 + 6^4 - 7^3$
  $= -234 + 5 \times 67$
  $= -7 - 6 + (54 + 3) \times 2$.

- $105 = 2^7 + 3^6 - 4^3 - 5^5 + 6^2 + 7^4$
  $= 2 + 34 \times 5 - 67$
  $= 7 + 65 \times \sqrt{4} - 32$.

- $107 = 2^2 - 3^6 - 4^7 + 5^4 - 6^3 + 7^5$
  $= -2 - 3 + 45 + 67$
  $= 76 - 5 + 4 + 32$.

- $109 = -2^7 + 3^6 + 4^2 - 5^5 + 6^3 + 7^4$
  $= 23 + 4! - 5 + 67$
  $= 76 + 5 - 4 + 32$.

- $111 = -2^3 - 3^6 + 4^7 - 5^2 + 6^4 - 7^5$
  $= 2 - 3 + 45 + 67$
  $= 76 + 5 - \sqrt{4} + 32$.

- $117 = -2^6 - 3^4 - 4^7 - 5^3 - 6^2 + 7^5$
  $= 2 + 3 + 45 + 67$
  $= 7 + 65 + 43 + 2.$

- $119 = 2^7 + 3^2 - 4^6 + 5^5 + 6^4 - 7^3$
  $= -2 + 3 \times 4! + 56 - 7$
  $= (76 + 54 \times 3)/2.$

- $121 = 2^6 - 3^7 + 4^5 - 5^3 + 6^4 + 7^2$
  $= 2 \times 34 + 5! - 67$
  $= 76 + 54 - 3^2.$

- $127 = 2^3 - 3^6 + 4^7 - 5^2 + 6^4 - 7^5$
  $= 2^{3\times 4-5} + 6 - 7$
  $= 7 + 6 + (54 + 3) \times 2.$

- $129 = -2^6 + 3^3 + 4^7 + 5^4 - 6^2 - 7^5$
  $= 2 + 3 \times 4 \times 5 + 67$
  $= 76 + 54 - 3 + 2.$

- $131 = 2^4 + 3^6 + 4^7 + 5^2 - 6^3 - 7^5$
  $= 2 \times 34 + 56 + 7$
  $= 76 + 54 + 3 - 2.$

- $137 = 2^3 - 3^7 + 4^6 - 5^5 + 6^4 + 7^2$
  $= 2 \times (3 + 4) \times 5 + 67$
  $= 76 + 5 + 4! + 32.$

- $145 = -2^6 - 3^7 + 4^5 + 5^3 + 6^4 - 7^2$
  $= 23 \times 4 + 5! - 67$
  $= (7 - 6) \times 5! + 4! + 3 - 2.$

- $147 = -2^6 - 3^3 + 4^7 + 5^4 + 6^2 - 7^5$
  $= (-2 + 34 - 5 - 6) \times 7$
  $= 7 \times (-65 + 43 \times 2).$

- $151 = 2^7 + 3^6 - 4^5 + 5^4 + 6^2 - 7^3$
  $= 2 \times (-3 + 45) + 67$
  $= -7 + 6 \times 5 + 4 \times 32.$

- $153 = -2^5 - 3^2 - 4^7 + 5^6 + 6^4 - 7^3$
  $= (2 + 3) \times 4 + 5! + 6 + 7$
  $= 765/(4 + 3 - 2).$

- $155 = 2^7 + 3^2 + 4^6 - 5^5 - 6^4 + 7^3$
  $= 23 \times 4 + 56 + 7$
  $= 7 - 6 + 5! + \sqrt{4} + 32.$

- $161 = 2^7 + 3^6 + 4^3 - 5^5 - 6^2 + 7^4$
  $= -2 + 3 \times (-4 + 56) + 7$
  $= 7 + (65 + 4 \times 3) \times 2.$

- $165 = 2^6 - 3^4 - 4^7 - 5^2 - 6^3 + 7^5$
  $= 2^{3+4} + 5 \times 6 + 7$
  $= 7 \times 6 \times 5 - 43 - 2.$

- $167 = -2^6 + 3^7 - 4^5 - 5^4 + 6^2 - 7^3$
  $= (2 + 3) \times 4 \times 5 + 67$
  $= 7 + 6!/5 + 4 + 3! \times 2.$

- $169 = 2^7 - 3^2 - 4^3 + 5^6 + 6^4 - 7^5$
  $= 234 - 5 \times (6 + 7)$
  $= 7 \times 6 + 5 + \sqrt{4} + (3 + 2)!.$

- $171 = -2^5 + 3^2 - 4^7 + 5^6 + 6^4 - 7^3$
  $= 234 - 56 - 7$
  $= -7 + (6 + 54) \times 3 - 2.$

- $175 = -2^7 + 3^3 - 4^6 + 5^5 + 6^4 - 7^2$
  $= (2 + 3) \times (4 - 5 + 6) \times 7$
  $= (7 - 6 + 5)!/4 - 3 - 2.$

- $177 = 2^7 - 3^6 + 4^5 - 5^4 + 6^2 + 7^3$
  $= 2^{3+4} + 56 - 7$
  $= 7 \times (6 \times 5 - 4) - 3 - 2.$

- $181 = -2^6 + 3^7 - 4^3 - 5^5 + 6^4 - 7^2$
  $= (2 + 34) \times 5 - 6 + 7$
  $= 7 - 6 + 5 \times (4 + 32).$

- $187 = 2^7 + 3^2 - 4^3 + 5^6 + 6^4 - 7^5$
  $= 2 \times (34 + 56) + 7$
  $= 76 + 5! - 4 - 3 - 2.$

- $189 = -2^6 - 3^4 - 4^7 - 5^3 + 6^2 + 7^5$
  $= 7 \times (6 + 5 + 43)/2$
  $= (2 - 3 + 4) \times (56 + 7).$

- $193 = -2^4 - 3^5 + 4^7 - 5^6 + 6^2 - 7^3$
  $= -2 + 3 + 4! \times 56/7$
  $= (7 + 6) \times 5 + 4 \times 32.$

- $199 = -2^6 + 3^4 - 4^7 - 5^2 - 6^3 + 7^5$
  $= -2^{3!} + 45 \times 6 - 7$
  $= 76 - 5 + 4 \times 32.$

- $201 = -2^6 + 3^3 + 4^7 + 5^4 + 6^2 - 7^5$
  $= (7 + 6! - 5! - 4)/(3!/2)$
  $= (23 - 4 \times 5) \times 67.$

- $203 = 2^6 - 3^3 + 4^7 + 5^4 - 6^2 - 7^5$
  $= (-23 - 4 + 56) \times 7$
  $= -7 - 6 + 54 \times (3! - 2).$

- $209 = -2^6 + 3^7 - 4^5 - 5^4 - 6^3 - 7^2$
  $= 23 + 4! + 5! + 6 \times 7$
  $= 76 + 5 + 4 \times 32.$

- $213 = -2^5 - 3^7 + 4^6 - 5^2 - 6^4 - 7^3$
  $= -2 - (3 + \sqrt{4})! + 5 \times 67$
  $= (7 - 6) \times 5 \times 43 - 2.$

- $215 = 2^6 - 3^4 - 4^7 + 5^2 - 6^3 + 7^5$
  $= (2 + 3) \times (-4 + 5 + 6 \times 7)$
  $= 76 - 5 + (4 \times 3)^2.$

- $217 = 2^5 - 3^2 - 4^7 + 5^6 + 6^4 - 7^3$
  $= 23 \times 4! - 5 \times 67$
  $= 7 - 6 + 5! + 4! \times (3! - 2).$

- $219 = -2^7 - 3^3 - 4^6 + 5^5 + 6^4 + 7^2$
  $= (2 + 3)! + \sqrt{4^5} + 67$
  $= 7 + 6 + 5! + 43 \times 2.$

- $223 = -2^2 - 3^7 - 4^3 - 5^6 + 6^4 + 7^5$
  $= 2 + 34 + 5! + 67$
  $= 7 + 654/3 - 2.$

- $225 = 2^4 - 3^5 + 4^7 - 5^6 + 6^2 - 7^3$
  $= -2 \times 3 + 4 \times 56 + 7$
  $= ((7 + 65)/4 - 3)^2.$

- $231 = 2^7 - 3^3 + 4^2 + 5^6 + 6^4 - 7^5$
  $= 23 - \sqrt{4} + (5 \times 6) \times 7$
  $= -7 - 6 + 5! + 4 + (3 + 2)!.$

- $233 = 2^7 + 3^6 + 4^3 - 5^5 + 6^2 + 7^4$
  $= 234 + (5 - 6)^7$
  $= -7 + 6 \times 5 \times 4 + (3 + 2)!.$

- $235 = 2^5 + 3^2 - 4^7 + 5^6 + 6^4 - 7^3$
  $= 234 - (5-6)^7$
  $= (76 - 5 - 4!) \times (3+2)$.

- $237 = -2^3 - 3^5 - 4^7 + 5^6 + 6^4 - 7^2$
  $= 2 \times 3 + 4 \times 56 + 7$
  $= (-7 + 65) \times 4 + 3 + 2$.

- $239 = -2^6 - 3^7 - 4^4 + 5^5 - 6^2 - 7^3$
  $= 2 + 34 \times 5 + 67$
  $= 76 + 5! + \sqrt{43^2}$.

- $243 = -2^6 - 3^7 + 4^5 + 5^3 + 6^4 + 7^2$
  $= (2+3)! + \sqrt{4} + 5! - 6 + 7$
  $= 7 - 6 + 5! + \sqrt{4} + (3+2)!$.

- $245 = 2^6 - 3^4 - 4^7 - 5^3 - 6^2 + 7^5$
  $= (2+3) \times (-4 + 5 + 6) \times 7$
  $= (76 + 5!)/4 \times (3+2)$.

- $249 = -2^6 + 3^4 - 4^7 + 5^2 - 6^3 + 7^5$
  $= 2^{(3+45)/6} - 7$
  $= -7 + 65 \times 4 - 3! + 2$.

- $253 = -2^7 + 3^6 + 4^5 - 5^3 - 6^4 + 7^2$
  $= (2 + 34 + 5) \times 6 + 7$
  $= (76 + 5 + 4) \times 3 - 2$.

- $257 = 2^6 + 3^3 + 4^7 + 5^4 - 6^2 - 7^5$
  $= (2 \times 3)! - 456 - 7$
  $= (76 + 5 + 4) \times 3 + 2$.

- $259 = -2^2 + 3^7 - 4^6 + 5^5 - 6^4 + 7^3$
  $= 2 - 3! + 45 \times 6 - 7$
  $= 7 + (6 \times 5 \times 4 + 3!) \times 2$.

- $263 = -2^5 - 3^7 + 4^6 + 5^2 - 6^4 - 7^3$
  $= 2 + 3 \times (4 \times 5 + 67)$
  $= -7 + 6 \times 5 \times (4 + 3 + 2)$.

- $265 = -2^2 - 3^6 + 4^7 + 5^3 + 6^4 - 7^5$
  $= 2 - 3 \times 4! + 5 \times 67$
  $= (-7 - 6 + 543)/2$.

- $267 = -2^3 - 3^7 - 4^2 - 5^6 + 6^4 + 7^5$
  $= (2+3) \times 45 + 6 \times 7$
  $= 7 + 65 \times \sqrt{4^3}/2$.

- $269 = -2^5 + 3^7 - 4^6 + 5^2 - 6^3 + 7^4$
  $= 2 \times 3 \times 45 + 6 - 7$
  $= -7 + 6 + 54 \times (3+2)$.

- $273 = -2^7 + 3^3 - 4^6 + 5^5 + 6^4 + 7^2$
  $= 2 \times 34 \times 5 - 67$
  $= 7 + 65 \times 4 + 3 \times 2$.

- $275 = 2^6 - 3^3 + 4^7 + 5^4 + 6^2 - 7^5$
  $= 23 + 4 \times (56 + 7)$
  $= 7 + 6 + 5! + 4! \times 3! - 2$.

- $277 = 2^5 - 3^7 + 4^6 - 5^2 - 6^4 - 7^3$
  $= 2 \times 3 + 4! \times (5+6) + 7$
  $= 7 + 6 \times 5 \times (4 + 3 + 2)$.

- $279 = -2^6 + 3^7 - 4^3 - 5^5 + 6^4 + 7^2$
  $= 23 \times 4 + 5! + 67$
  $= 7 \times (65 - 4!) - 3! - 2$.

- $283 = 2^3 - 3^7 - 4^2 - 5^6 + 6^4 + 7^5$
  $= 234 + 56 - 7$
  $= 7 + 6 + 54 \times (3+2)$.

- $285 = 2^7 + 3^3 + 4^2 + 5^6 + 6^4 - 7^5$
  $= -23 + 4 \times (5+6) \times 7$
  $= 7 \times 6 + 5! \times \sqrt{4} + 3!/2$.

- $291 = 2^7 + 3^6 - 4^5 + 5^4 - 6^3 + 7^2$
  $= 2 - 3 \times (4! - 5!) - 6 + 7$
  $= 7 \times (65 - 4!) + 3! - 2$.

- $295 = 2^6 + 3^7 - 4^5 - 5^4 + 6^2 - 7^3$
  $= 2 \times 3^4 + 5! + 6 + 7$
  $= 7 \times (65 - 4!) + 3! + 2$.

- $297 = 2^7 - 3^2 + 4^3 + 5^6 + 6^4 - 7^5$
  $= 234 + 56 + 7$
  $= (7+6) \times (5 \times 4 + 3) - 2$.

- $299 = -2^3 - 3^7 + 4^2 - 5^6 + 6^4 + 7^5$
  $= 234 + 5 \times (6+7)$
  $= 7!/6 - 543 + 2$.

- $307 = -2^2 + 3^6 - 4^7 - 5^4 - 6^3 + 7^5$
  $= 2 \times 3! \times 4 \times 5 + 67$
  $= 7 \times (6+5) \times 4 - 3 + 2$.

- $309 = -2^6 + 3^7 + 4^3 - 5^5 + 6^4 - 7^2$
  $= 2 + (3 + \sqrt{4})! + 5! + 67$
  $= -76 + \sqrt{5^4} + 3!!/2$.

- $311 = -2^6 - 3^7 - 4^4 + 5^5 + 6^2 - 7^3$
  $= 234 + (5+6) \times 7$
  $= -7 + 6 \times 54 - 3 \times 2$.

- $315 = 2^7 + 3^2 + 4^3 + 5^6 + 6^4 - 7^5$
  $= 2 \times 3 \times 45/6 \times 7$
  $= 7 \times (65 - 4 \times (3+2))$.

- $317 = 2^6 - 3^4 - 4^7 - 5^3 + 6^2 + 7^5$
  $= 2 \times 3 \times (4+5) \times 6 - 7$
  $= -7 + 6 \times 54 \times (3-2)$.

- $323 = 2^7 - 3^6 - 4^2 + 5^5 + 6^3 - 7^4$
  $= -2^3 - 4 + 5 \times 67$
  $= -7 + 6 \times 54 + 3 \times 2$.

- $327 = 2^6 + 3^4 - 4^7 - 5^2 - 6^3 + 7^5$
  $= 2^{3!} + 45 \times 6 - 7$
  $= 7 - 6 + 54 \times 3! + 2$.

- $329 = 2^6 + 3^3 + 4^7 + 5^4 + 6^2 - 7^5$
  $= -2 \times 3!/\sqrt{4} + 5 \times 67$
  $= 7 \times (6 + 5 + 4 + 32)$.

- $331 = 2^5 - 3^4 + 4^7 - 5^6 - 6^2 - 7^3$
  $= 2 \times 3 \times (4+5) \times 6 + 7$
  $= 7 \times 65 - 4 - (3+2)!$.

- $333 = 2^7 + 3^6 - 4^2 - 5^5 + 6^3 + 7^4$
  $= -234 + 567$
  $= 765 - 432$.

- $335 = -2^3 - 3^5 - 4^7 + 5^6 + 6^4 + 7^2$
  $= \sqrt{2+3+4} \times (5! - 6) - 7$
  $= (76 - 5 - 4) \times (3+2)$.

- $337 = 2^6 + 3^7 - 4^5 - 5^4 - 6^3 - 7^2$
  $= 2 \times 3 - 4 + 5 \times 67$
  $= 7 \times 65 - (\sqrt{4} + 3)! + 2.$

- $339 = -2^5 - 3^4 + 4^7 - 5^6 + 6^2 - 7^3$
  $= 2 \times 34 \times 5 + 6 - 7$
  $= 76 \times 5 - 43 + 2.$

- $345 = -2^6 - 3^2 + 4^7 + 5^4 + 6^3 - 7^5$
  $= 2 \times 3 + 4 + 5 \times 67$
  $= (76 - 5 - \sqrt{4}) \times (3 + 2).$

- $347 = -2^3 - 3^6 - 4^7 + 5^4 + 6^2 + 7^5$
  $= 2 + 345 \times (-6 + 7)$
  $= 7 + 6 \times (54 + 3) - 2.$

- $351 = 2^3 - 3^5 - 4^7 + 5^6 + 6^4 + 7^2$
  $= (-2 + 34 - 5) \times (6 + 7)$
  $= -76 - 5 + 432.$

- $353 = -2^6 - 3^7 - 4^4 + 5^5 - 6^3 - 7^2$
  $= 2 \times 34 \times 5 + 6 + 7$
  $= -7 + (6 + 54) \times 3 \times 2.$

- $355 = 2^7 - 3^6 + 4^2 + 5^5 + 6^3 - 7^4$
  $= -23 + (-\sqrt{4} + 56) \times 7$
  $= -7 \times (6 + 5) + 432.$

- $359 = 2^2 - 3^7 + 4^3 - 5^6 + 6^4 + 7^5$
  $= -2 + 3 \times 4! \times 5 - 6 + 7$
  $= -7 + 6! + (5 - \sqrt{4})! - 3!!/2.$

- $363 = 2^3 - 3^6 - 4^7 + 5^4 + 6^2 + 7^5$
  $= 2 \times 3 + (45 + 6) \times 7$
  $= (7 - 6 + 5!) \times (-\sqrt{4} + 3 + 2).$

- $365 = 2^7 + 3^6 + 4^2 - 5^5 + 6^3 + 7^4$
  $= -23 - 4 + 56 \times 7$
  $= 76 \times 5 - (4! + 3!)/2.$

- $367 = -2^6 - 3^4 - 4^7 + 5^3 - 6^2 + 7^5$
  $= 234 + 5! + 6 + 7$
  $= 76 \times 5 - 4 - 3^2.$

- $369 = -2^7 + 3^6 - 4^5 + 5^4 + 6^3 - 7^2$
  $= 2 + 3 + (-4 + 56) \times 7$
  $= (7 + 6 \times 5 + 4) \times 3^2.$

- $371 = 2^6 - 3^7 + 4^5 + 5^3 + 6^4 + 7^2$
  $= 2 + 34 + 5 \times 67$
  $= 7 \times (65 - 4 - 3! - 2).$

- $377 = 2^6 + 3^4 - 4^7 + 5^2 - 6^3 + 7^5$
  $= 2 - 3 + (4 + 5) \times 6 \times 7$
  $= 7 \times 6 \times (5 + 4) - 3 + 2.$

- $379 = -2^4 + 3^6 + 4^7 + 5^3 - 6^2 - 7^5$
  $= \sqrt{-2 + 3!} + (4! + 5) \times (6 + 7)$
  $= 76 \times 5 + 4 - 3 - 2.$

- $381 = -2^5 - 3^4 + 4^7 - 5^6 - 6^3 - 7^2$
  $= -2 + 3! + (4! + 5) \times (6 + 7)$
  $= 76 \times 5 - 4 + 3 + 2.$

- $383 = -2^7 - 3^4 + 4^6 - 5^5 - 6^2 - 7^3$
  $= 2 + 34 \times (5 + 6) + 7$
  $= 76 \times 5 + 4 - 3 + 2.$

- $387 = -2^6 - 3^7 + 4^5 - 5^2 + 6^4 + 7^3$
  $= 2 - 3 - 4 + 56 \times 7$
  $= 76 \times 5 + 4 + \sqrt{3^2}.$

- $403 = 2^5 - 3^4 + 4^7 - 5^6 + 6^2 - 7^3$
  $= 2 \times 34 + 5 \times 67$
  $= 76 \times 5 + 4! - 3 + 2.$

- $405 = -2^7 + 3^6 + 4^5 + 5^3 - 6^4 - 7^2$
  $= -2 + 3 \times 4! + 5 \times 67$
  $= \sqrt{76 + 5} \times (43 + 2).$

- $407 = 2^6 + 3^7 - 4^3 - 5^5 + 6^4 + 7^2$
  $= 2 \times 34 \times 5 + 67$
  $= -76 + 5! \times 4 + 3!/2.$

- $411 = 2^4 + 3^6 + 4^7 + 5^3 - 6^2 - 7^5$
  $= 23 - 4 + 56 \times 7$
  $= -7 + (-6 + 5 \times 43) \times 2.$

- $413 = -2^7 - 3^6 + 4^5 + 5^4 - 6^2 - 7^3$
  $= (2^3 + 45 + 6) \times 7$
  $= 76 \times 5 + 4! + 3^2.$

- $419 = -2^2 - 3^7 + 4^6 - 5^5 + 6^4 + 7^3$
  $= 23 + 4 + 56 \times 7$
  $= 7 \times 65 - 4 - 32.$

- $427 = 2^2 - 3^7 + 4^6 - 5^5 + 6^4 + 7^3$
  $= 2^3 \times 45 + 67$
  $= 76 - 5 - 4 + 3!!/2.$

- $429 = -2^5 - 3^3 - 4^7 + 5^6 + 6^4 - 7^2$
  $= 23 + (\sqrt{4} + 56) \times 7$
  $= (-7 + 6 + 5! + 4!) \times 3!/2.$

- $431 = -2^7 - 3^6 - 4^5 - 5^3 + 6^2 + 7^4$
  $= (2 + 3)! \times 4 - 56 + 7$
  $= 7 - 6 + 5 \times 43 \times 2.$

- $433 = -2^2 + 3^5 - 4^7 + 5^6 + 6^4 - 7^3$
  $= -2 - 3 + 4 \times 5! - 6 \times 7$
  $= (7 - 6)^5 + 432.$

- $435 = 2^5 + 3^7 - 4^6 - 5^3 + 6^2 + 7^4$
  $= (2 + 3) \times (4 \times 5 + 67)$
  $= 7 \times 65 - 4 \times (3 + 2).$

- $437 = -2^6 - 3^7 + 4^5 + 5^2 + 6^4 + 7^3$
  $= 2 + 3 + 4! \times (5 + 6 + 7)$
  $= 7 \times (65 - \sqrt{4}) - 3! + 2.$

- $439 = -2^6 - 3^4 - 4^7 + 5^3 + 6^2 + 7^5$
  $= -2 + 3 + 4 \times 5! - 6 \times 7$
  $= 7 \times (6 - 5) + 432.$

- $441 = 2^2 + 3^5 - 4^7 + 5^6 + 6^4 - 7^3$
  $= (-2 + 3! + 4) \times 56 - 7$
  $= 7 \times (65 - \sqrt{4}) \times (3 - 2).$

- $445 = 2^5 - 3^4 + 4^7 - 5^6 - 6^3 - 7^2$
  $= (2 \times 34 + 5) \times 6 + 7$
  $= 7 \times 65 - 4 \times 3 + 2.$

- $451 = -2^6 - 3^7 - 4^4 + 5^5 - 6^3 + 7^2$
  $= -2 \times 3! + 456 + 7$
  $= 7 + 6 \times 54 + (3 + 2)!.$

- $455 = -2^7 - 3^4 + 4^6 - 5^5 + 6^2 - 7^3$
  $= 2 \times 3 + 456 - 7$
  $= 7 \times (6 + 54 + 3 + 2).$

- $467 = -2^7 + 3^6 - 4^5 + 5^4 + 6^3 + 7^2$
  $= -2 + 3! + 456 + 7$
  $= 7 \times 65 + 4! - 3! \times 2.$

- $469 = -2^6 - 3^4 - 4^7 - 5^2 + 6^3 + 7^5$
  $= 2 \times 3 + 456 + 7$
  $= 7 + 6 \times 5 + 432.$

- $471 = 2^5 - 3^7 + 4^6 - 5^3 - 6^4 - 7^2$
  $= 2^3 + 456 + 7$
  $= -7 - 6 + (\sqrt{5^4} - 3)^2.$

- $473 = 2^6 - 3^2 + 4^7 + 5^4 + 6^3 - 7^5$
  $= 2 \times (3 + \sqrt{4} \times 5!) - 6 - 7$
  $= -7 - 6 + 54 \times 3^2.$

- $475 = 2^7 - 3^3 - 4^6 + 5^5 + 6^4 + 7^2$
  $= -23 \times 4 + 567$
  $= 7 \times 65 + 4 \times (3 + 2).$

- $479 = 2^6 + 3^4 - 4^7 - 5^3 + 6^2 + 7^5$
  $= 2 - 3 + 4 \times 5! \times (-6 + 7)$
  $= 7 \times 6 + 5 + 432.$

- $481 = -2^4 + 3^6 + 4^7 - 5^2 + 6^3 - 7^5$
  $= (-2 + 34 + 5) \times (6 + 7)$
  $= (7 + 6) \times (5 + 4^3/2).$

- $483 = 2^4 + 3^6 + 4^7 + 5^3 + 6^2 - 7^5$
  $= -2 + 3!! + \sqrt{4} \times (-5! + 6) - 7$
  $= 7 \times 65 - 4 + 32.$

- $485 = -2^7 - 3^6 + 4^5 + 5^4 + 6^2 - 7^3$
  $= -2 - 3!! + 4 \times 5! + 6! + 7$
  $= 7 - 6 + (5 - 4! - 3)^2.$

- $491 = 2^6 + 3^2 + 4^7 + 5^4 + 6^3 - 7^5$
  $= 2 + 3 \times (-4! + 5! + 67)$
  $= 7 \times 65 + 4! + 3! \times 2.$

- $493 = 2^5 - 3^3 - 4^7 + 5^6 + 6^4 - 7^2$
  $= (-2 + 3) \times 4 \times 5! + 6 + 7$
  $= 7 + 6 + 5! \times 4 \times (3 - 2).$

- $495 = 2^6 - 3^4 - 4^7 + 5^3 - 6^2 + 7^5$
  $= -2 + \sqrt{3^4} \times 56 - 7$
  $= 7 + 6! - (5 + 4!) \times (3! + 2).$

- $497 = -2^7 - 3^4 + 4^6 - 5^5 - 6^3 - 7^2$
  $= 2 \times 3^4 + 5 \times 67$
  $= (7 + 6) \times 5 + 432.$

- $499 = 2^3 + 3^6 - 4^7 - 5^4 - 6^2 + 7^5$
  $= -2 \times 34 + 567$
  $= -7 \times 6 + 543 - 2.$

- $501 = -2^5 + 3^4 + 4^7 - 5^6 + 6^2 - 7^3$
  $= -2^{3!} - \sqrt{4} + 567$
  $= 7 \times 6!/(5 \times \sqrt{4}) - 3!/2.$

- $503 = -2^7 + 3^6 + 4^5 + 5^3 - 6^4 + 7^2$
  $= 23 \times 4! - 56 + 7$
  $= 76 - 5 + 432.$

- $505 = -2^5 - 3^7 + 4^6 - 5^3 - 6^4 + 7^2$
  $= (2 + 3) \times (4! + (5 + 6) \times 7)$
  $= (76 + \sqrt{5^4}) \times (3 + 2).$

- $509 = -2^7 + 3^6 - 4^5 + 5^4 - 6^2 + 7^3$
  $= -2 + \sqrt{3^4} \times 56 + 7$
  $= 7 \times (6 + 5) + 432.$

- $513 = 2^4 + 3^6 + 4^7 - 5^2 + 6^3 - 7^5$
  $= 2 + \sqrt{3^4} \times 56 + 7$
  $= 76 + 5 + 432.$

- $515 = 2^6 - 3^7 + 4^5 - 5^2 + 6^4 + 7^3$
  $= (2 \times 3)!/4 + 5 \times 67$
  $= 7 \times 65 + (\sqrt{4} + 3)!/2.$

- $519 = -2^6 - 3^4 - 4^7 + 5^2 + 6^3 + 7^5$
  $= -2 \times 3! \times 4 + 567$
  $= 7 \times 65 + \sqrt{4} \times 32.$

- $521 = -2^2 - 3^7 - 4^6 - 5^4 + 6^5 - 7^3$
  $= 2 - 3 + 4 \times 5! + 6 \times 7$
  $= 7 + 6! - 5! - 43 \times 2.$

- $527 = -2^5 - 3^3 - 4^7 + 5^6 + 6^4 + 7^2$
  $= 23 \times 4 \times 5 + 67$
  $= 76 \times (5 + \sqrt{4}) - 3 - 2.$

- $529 = 2^7 + 3^3 - 4^6 + 5^5 + 6^4 + 7^2$
  $= 23 \times 4! - 5 \times 6 + 7$
  $= 7 + 65 \times \sqrt{4^3} + 2.$

- $531 = -2^2 - 3^6 - 4^7 + 5^4 + 6^3 + 7^5$
  $= -2 - 34 + 567$
  $= 7 - 6! + (5^4 - 3) \times 2.$

- $535 = 2^6 + 3^7 + 4^3 - 5^5 + 6^4 + 7^2$
  $= 2 - 34 + 567$
  $= (7! + 6 + 5! - 4^{3!})/2.$

- $537 = 2^2 + 3^7 - 4^4 + 5^6 - 6^3 - 7^5$
  $= -2 \times 3 - 4! + 567$
  $= 7 \times (65 + 4 \times 3) - 2.$

- $539 = 2^2 - 3^6 - 4^7 + 5^4 + 6^3 + 7^5$
  $= 2 + 3!! + 4 - 5! - 67$
  $= -7 - 6 + 5! + 432.$

- $543 = 2^5 - 3^4 + 4^7 - 5^6 - 6^3 + 7^2$
  $= 2 - 3! + 4 \times 5! + 67$
  $= (7 + 6 \times (5 + 4!)) \times \sqrt{3^2}.$

- $545 = 2^2 + 3^7 + 4^6 - 5^5 - 6^3 - 7^4$
  $= 23 + 4 \times 5! + 6 \times 7$
  $= (7 - 6) \times 543 + 2.$

- $547 = 2^5 + 3^3 - 4^7 + 5^6 + 6^4 - 7^2$
  $= 23 \times 4! + 5 \times (6 - 7)$
  $= 7 + 6! - 5 \times 4 \times 3^2.$

- $549 = -2^7 + 3^2 - 4^6 + 5^5 + 6^4 + 7^3$
  $= 2^{\sqrt{3^4}} - 5 + 6 \times 7$
  $= -7 + 6! - 54 \times 3 - 2.$

- $555 = -2^7 + 3^6 - 4^5 + 5^2 + 6^4 - 7^3$
  $= 2 + 3! + 4 \times 5! + 67$
  $= (7 \times 6 - 5) \times (4! - 3^2).$

- $563 = 2^4 + 3^6 + 4^7 + 5^2 + 6^3 - 7^5$
  $= (-2+3) \times (-4+567)$
  $= -7 + (6! - 5^4) \times 3 \times 2.$

- $565 = 2^6 - 3^7 + 4^5 + 5^2 + 6^4 + 7^3$
  $= -2 + (-3+4) \times 567$
  $= 7 + 6 + 5! + 432.$

- $567 = 2^6 - 3^4 - 4^7 + 5^3 + 6^2 + 7^5$
  $= 2 - 3! + 4 + 567$
  $= 7 + 6! - 54 \times 3 + 2.$

- $569 = 2^5 - 3^7 + 4^6 - 5^3 - 6^4 + 7^2$
  $= 234 + 5 \times 67$
  $= -7 \times 65 + 4^{3+2}.$

- $571 = 2^3 + 3^6 - 4^7 - 5^4 + 6^2 + 7^5$
  $= 2^3 - 4 + 567$
  $= 7 \times 65 - 4 + (3+2)!.$

- $573 = -2^7 - 3^2 - 4^4 - 5^6 - 6^3 + 7^5$
  $= \sqrt{2+34} + 567$
  $= 7 \times 65 + (\sqrt{4}+3)! - 2.$

- $579 = 2^6 - 3^7 - 4^4 + 5^5 - 6^3 + 7^2$
  $= 2^3 + 4 + 567$
  $= 7 \times 65 + 4 + (3+2)!.$

- $581 = -2^5 + 3^3 - 4^7 + 5^6 + 6^4 + 7^2$
  $= 2 \times (3+4) + 567$
  $= 7 \times (6! - 5^4 - 3! \times 2).$

- $567 = 2^6 - 3^4 - 4^7 + 5^3 + 6^2 + 7^5$
  $= 2 - 3! + 4 + 567$
  $= 7 + 6! - 54 \times 3 + 2.$

- $569 = 2^5 - 3^7 + 4^6 - 5^3 - 6^4 + 7^2$
  $= 234 + 5 \times 67$
  $= -7 \times 65 + 4^{3+2}.$

- $571 = 2^3 + 3^6 - 4^7 - 5^4 + 6^2 + 7^5$
  $= 2^3 - 4 + 567$
  $= 7 \times 65 - 4 + (3+2)!.$

- $573 = -2^7 - 3^2 - 4^4 - 5^6 - 6^3 + 7^5$
  $= \sqrt{2+34} + 567$
  $= 7 \times 65 + (\sqrt{4}+3)! - 2.$

- $579 = 2^6 - 3^7 - 4^4 + 5^5 - 6^3 + 7^2$
  $= 2^3 + 4 + 567$
  $= 7 \times 65 + 4 + (3+2)!.$

- $601 = -2^6 + 3^4 - 4^7 + 5^3 + 6^2 + 7^5$
  $= (-2+3+4) \times 5! - 6 + 7$
  $= 7 + 6! - 5! + \sqrt{4} - 3! - 2.$

- $607 = 2^5 + 3^4 + 4^7 - 5^6 - 6^3 - 7^2$
  $= (2+3)^4 - 5 - 6 - 7$
  $= 7 + 6 \times 5 \times 4 \times (3+2).$

- $609 = -2^7 - 3^6 - 4^5 + 5^3 - 6^2 + 7^4$
  $= (2 + \sqrt{3^4}) \times 56 - 7$
  $= 7 \times (6 - 5 + 43 \times 2).$

- $613 = 2^5 + 3^7 - 4^6 + 5^3 - 6^2 + 7^4$
  $= (2+3)! + 4 \times 5! + 6 + 7$
  $= 7 + 6! - (54+3) \times 2.$

- $615 = 2^7 - 3^6 - 4^5 - 5^3 - 6^2 + 7^4$
  $= (2+3) \times (4 + 5! + 6 - 7)$
  $= -7 + 654 - 32.$

- $617 = -2^7 + 3^4 + 4^6 - 5^5 + 6^2 - 7^3$
  $= (2+3)^4 + 5 - 6 - 7$
  $= 76 + 543 - 2.$

- $621 = -2^5 + 3^7 - 4^6 + 5^3 + 6^2 + 7^4$
  $= 23 \times (4 + 5 \times 6 - 7)$
  $= 76 + 543 + 2.$

- $625 = -2^7 - 3^6 + 4^5 + 5^4 - 6^3 + 7^2$
  $= 23 \times (4! + 5) - 6 \times 7$
  $= (76 - 54 + 3)^2.$

- $631 = -2^6 + 3^4 - 4^7 - 5^2 + 6^3 + 7^5$
  $= (2+3)^4 + 5 - 6 + 7$
  $= (7-6) \times 5^4 + 3 \times 2.$

- $633 = -2^2 - 3^5 - 4^7 + 5^6 + 6^4 + 7^3$
  $= (2+3)^4 - 5 + 6 + 7$
  $= (7-6) \times 5^4 + 3! + 2.$

- $639 = 2^4 + 3^5 + 4^7 - 5^6 - 6^2 - 7^3$
  $= -2 + (-3 \times 4 + 5!) \times 6 - 7$
  $= 7 + 6 + 5^4 + 3 - 2.$

- $641 = 2^2 - 3^5 - 4^7 + 5^6 + 6^4 + 7^3$
  $= (2 \times 3)! - \sqrt{4} - (5+6) \times 7$
  $= -7 + 654 - 3 \times 2.$

- $645 = 2^5 + 3^3 - 4^7 + 5^6 + 6^4 + 7^2$
  $= -23 - 45 + 6! - 7$
  $= -7 + (6 + 5 \times 4^3) \times 2.$

- $647 = 2^6 - 3^4 - 4^7 + 5^2 + 6^3 + 7^5$
  $= 2^{3!} - 4! - 5! + 6! + 7$
  $= -76 + 5 - 4 + 3!! + 2.$

- $651 = -2^5 + 3^7 - 4^6 - 5^2 + 6^3 + 7^4$
  $= (2 \times 3)! - 4 - 5 \times (6+7)$
  $= -76 + 5 + \sqrt{4} + (3 \times 2)!.$

- $653 = -2^6 + 3^7 + 4^2 - 5^5 + 6^4 + 7^3$
  $= 2 + (3 \times (4! + 5) + 6) \times 7$
  $= 7 \times (6+5) + (4 \times 3!)^2.$

- $657 = 2^6 + 3^4 - 4^7 + 5^3 - 6^2 + 7^5$
  $= 2 - 3 \times 4! + 5! \times 6 + 7$
  $= (7-6) \times 5^4 + 32.$

- $659 = -2^7 + 3^4 + 4^6 - 5^5 - 6^3 - 7^2$
  $= 23 \times 4 + 567$
  $= 7 + 65 \times (4 + 3!) + 2.$

- $661 = 2^7 + 3^6 + 4^5 + 5^3 - 6^4 - 7^2$
  $= 2 \times (3 - 4! - 5) + 6! - 7$
  $= 7 + 654 \times (3-2).$

- $667 = -2^4 - 3^5 + 4^7 - 5^6 + 6^3 - 7^2$
  $= ((-2+3!)! - \sqrt{4}) \times 5 \times 6 + 7$
  $= 7 + (6+5) \times (4! + 3!^2).$

- $669 = 2^7 - 3^6 + 4^5 + 5^4 - 6^2 - 7^3$
  $= -(-2+3!)! - 4 \times 5 + 6! - 7$
  $= 76 + 5^4 - 32.$

• $675 = -2^6 - 3^2 + 4^7 - 5^3 + 6^4 - 7^5$
$= 2 + 3!! + \sqrt{4} - 56 + 7$
$= 7 + 6! - (5 + 4) \times 3! + 2.$

• $679 = -2^4 + 3^5 + 4^7 - 5^6 + 6^2 - 7^3$
$= (2^3 + 4) \times 56 + 7$
$= 765 - 43 \times 2.$

• $681 = -2^6 + 3^4 - 4^7 + 5^2 + 6^3 + 7^5$
$= 2 - 3 - 45 + 6! + 7$
$= 7 - (6 + 5) \times 4 + 3!! - 2.$

• $683 = 2^6 + 3^7 + 4^5 + 5^2 - 6^3 - 7^4$
$= -(-2 + 3!)! - 4 \times 5 + 6! + 7$
$= 76 \times (5 + 4) - 3 + 2.$

• $685 = 2^5 + 3^7 - 4^6 + 5^3 + 6^2 + 7^4$
$= -2 + 3^{(\sqrt{4+5})!} - 6 \times 7$
$= 7 - (6 + 5) \times 4 + 3!! + 2.$

• $687 = 2^7 - 3^6 - 4^5 - 5^3 + 6^2 + 7^4$
$= 2 + 3 - 45 + 6! + 7$
$= -7 - 6 \times 5 + 4 + (3 \times 2)!.$

• $693 = -2^6 + 3^2 + 4^7 - 5^3 + 6^4 - 7^5$
$= 2 - 3 - 4! + 5 + 6! - 7$
$= 7 + 654 + 32.$

• $697 = -2^7 + 3^6 + 4^5 + 5^2 - 6^4 + 7^3$
$= -23 - \sqrt{4} - 5 + 6! + 7$
$= -7 + 6! - 54/3 + 2.$

• $699 = 2^4 - 3^5 + 4^7 - 5^6 + 6^3 - 7^2$
$= 2 \times 3 - 4 \times 5 + 6! - 7$
$= 765 - 4^3 - 2.$

• $701 = -2^5 + 3^7 - 4^6 + 5^2 + 6^3 + 7^4$
$= 2 - \sqrt{3^4} - 5 + 6! - 7$
$= 765 - \sqrt{4} \times 32.$

• $705 = 2^5 + 3^4 + 4^7 - 5^6 - 6^3 + 7^2$
$= 23 - 45 + 6! + 7$
$= 7 + 6! - 54 + 32.$

• $711 = -2^7 - 3^6 - 4^5 - 5^2 + 6^3 + 7^4$
$= -2 - 3 + \sqrt{4 + 5} + 6! - 7$
$= 765 - (4! + 3) \times 2.$

• $713 = 2^6 + 3^7 + 4^5 - 5^3 - 6^2 - 7^4$
$= 2 - 3 - 4 + 5 + 6! - 7$
$= -7 + 6 \times 5 \times 4 \times 3 \times 2.$

• $715 = 2^5 + 3^7 - 4^6 - 5^2 + 6^3 + 7^4$
$= 2 + 3 + \sqrt{4} - 5 + 6! - 7$
$= -7 + 6! - 5 + 4 + \sqrt{3^2}.$

• $719 = 2^2 + 3^6 + 4^7 + 5^4 - 6^3 - 7^5$
$= (2 \times 3)! - 4/(5 + 6 - 7)$
$= 7 + 6! - 5 - 4 + 3 - 2.$

• $721 = 2^5 - 3^7 + 4^6 + 5^3 - 6^4 - 7^2$
$= 2 - 3 + 4 + 5 + 6! - 7$
$= 7 + 6! - 5 + 4 - 3 - 2.$

• $723 = 2^7 + 3^6 - 4^5 + 5^4 + 6^3 + 7^2$
$= 2 + 3 - 4 - 5 + 6! + 7$
$= 7 - 6!/5! + (\sqrt{4} \times 3)! + 2.$

• $729 = 2^6 + 3^4 - 4^7 + 5^3 + 6^2 + 7^5$
$= (2 \times 3)^4 - 567$
$= 765 - 4 - 32.$

• $735 = -2^7 - 3^3 - 4^4 - 5^6 - 6^2 + 7^5$
$= 2 - 3 + 4 + 5 + 6! + 7$
$= 765 + \sqrt{4} - 32.$

• $739 = -2^2 + 3^6 - 4^7 - 5^4 + 6^3 + 7^5$
$= 2 + 3! + 4 + 5! \times 6 + 7$
$= 7 + 6! + 5 \times 4 - 3! - 2.$

• $741 = -2^7 - 3^4 - 4^2 - 5^6 - 6^3 + 7^5$
$= 23 - 4 - 5 + 6! + 7$
$= 765 - 4 \times 3 \times 2.$

• $747 = 2^2 + 3^6 - 4^7 - 5^4 + 6^3 + 7^5$
$= (-2 + 3) \times 4 \times 5 + 6! + 7$
$= 7 + 6! - 5 + 4! + 3 - 2.$

• $749 = 2^6 + 3^7 - 4^2 - 5^5 + 6^4 + 7^3$
$= 23 + 4 - 5 + 6! + 7$
$= 765 - \sqrt{4^3} \times 2.$

• $751 = -2^6 - 3^7 + 4^4 + 5^5 - 6^2 - 7^3$
$= -2 - 3 + 4! + 5 + 6! + 7$
$= 765 - 4 \times 3 - 2.$

• $753 = 2^4 + 3^5 + 4^7 - 5^6 - 6^3 - 7^2$
$= 23 - \sqrt{4} + 5 + 6! + 7$
$= 765 + 4! - 3!^2.$

• $755 = -2^5 - 3^7 + 4^6 + 5^3 - 6^4 + 7^2$
$= (2 \times 3)! - \sqrt{4^5} + 67$
$= 765 - 4 \times 3 + 2.$

• $757 = -2^7 + 3^4 + 4^6 - 5^5 - 6^3 + 7^2$
$= 2 \times 345 + 67$
$= 765 - \sqrt{4} - 3 \times 2.$

• $759 = 2^6 + 3^4 - 4^7 - 5^2 + 6^3 + 7^5$
$= 23 + 4 + 5 + 6! + 7$
$= 765 - \sqrt{4^3} + 2.$

• $761 = -2^7 - 3^6 - 4^5 + 5^2 + 6^3 + 7^4$
$= -23 + \sqrt{4} \times 56 \times 7$
$= 765 + \sqrt{4} - 3 \times 2.$

• $765 = 2^5 + 3^7 - 4^6 + 5^2 + 6^3 + 7^4$
$= 2 \times (-3 + 4! + 5) + 6! - 7$
$= 765 - 4 + 3! - 2.$

• $769 = 2^6 + 3^7 - 4^5 - 5^4 + 6^3 - 7^2$
$= -2 + 3^{(\sqrt{4+5})!} + 6 \times 7$
$= 765 - \sqrt{4} + 3 \times 2.$

• $773 = -2^7 - 3^4 + 4^2 - 5^6 - 6^3 + 7^5$
$= 2^{3!} - 4 + 5! \times 6 - 7$
$= 765 - 4! + 32.$

• $777 = -2^6 + 3^2 - 4^7 + 5^4 - 6^3 + 7^5$
$= 2 + 3 + 45 + 6! + 7$
$= 7 \times (6! - 54)/(3 \times 2).$

• $779 = -2^2 + 3^7 + 4^6 - 5^3 - 6^5 + 7^4$
$= -2 \times (3 + 4!) + 5! + 6! - 7$
$= 765 + (4 + 3) \times 2.$

• $781 = 2^6 + 3^7 + 4^2 - 5^5 + 6^4 + 7^3$
$= 23 + 45 + 6! - 7$
$= 765 + \sqrt{4^3} \times 2.$

• $783 = 2^7 - 3^6 + 4^5 + 5^4 - 6^3 - 7^2$
$= 2 + 3!! + (4 + 5) \times 6 + 7$
$= (-7 + 65) \times (4! + 3)/2.$

• $785 = -2^6 - 3^7 - 4^4 + 5^5 + 6^3 - 7^2$
$= -2 + 3!! - (4 - 5) \times 67$
$= 7 + 6! + 54 + 3! - 2.$

• $787 = 2^2 + 3^7 + 4^6 - 5^3 - 6^5 + 7^4$
$= 2^{3!} - 4 + 5! \times 6 + 7$
$= 765 + 4 \times 3! - 2.$

• $789 = -2^7 + 3^3 - 4^4 - 5^6 - 6^2 + 7^5$
$= 2 + 3 \times 4 \times 5 + 6! + 7$
$= 765 + 4 \times 3 \times 2.$

• $793 = 2^3 + 3^7 - 4^4 + 5^6 + 6^2 - 7^5$
$= 2 + 3!! + 4 + \sqrt{5 \times 6!} + 7$
$= 765 - 4 + 32.$

• $797 = -2^7 + 3^6 - 4^5 - 5^3 + 6^4 + 7^2$
$= 2 - 3 + (4! - 5) \times 6 \times 7$
$= 7 \times (-6 + 5!) + 4 - 3 - 2.$

• $801 = 2^3 + 3^7 + 4^6 - 5^5 + 6^2 - 7^4$
$= 234 + 567$
$= 765 + 4 + 32.$

• $803 = 2^6 - 3^2 + 4^7 - 5^3 + 6^4 - 7^5$
$= -(2 \times 3)!/4! + 5! + 6! - 7$
$= (7 + 65 \times 4) \times 3 + 2.$

• $805 = 2^7 + 3^2 - 4^6 + 5^5 + 6^4 + 7^3$
$= 2 \times 345/6 \times 7$
$= 7 + 6 \times (5 + 4 \times 32).$

• $807 = -2^7 - 3^3 - 4^4 - 5^6 + 6^2 + 7^5$
$= 23 + \sqrt{4} \times 56 \times 7$
$= -7 \times 6 + 5! + (4! + 3)^2.$

• $809 = 2^6 + 3^4 - 4^7 + 5^2 + 6^3 + 7^5$
$= -2 \times 3 \times 4 + 5! + 6! - 7$
$= 7!/6 - 5 - 4 \times 3! - 2.$

• $811 = 2^7 + 3^6 - 4^5 + 5^2 + 6^4 - 7^3$
$= -2 + 3^4 + 5 + 6! + 7$
$= 7!/6 - 5 \times 4 - 3^2.$

• $813 = -2^5 - 3^4 + 4^7 - 5^6 + 6^3 - 7^2$
$= -2 + 3!! - 4! + 5! + 6 - 7$
$= 7 + 6 + \sqrt{5^4} \times 32.$

• $819 = 2^5 - 3^7 + 4^6 + 5^3 - 6^4 + 7^2$
$= (2 \times 34 - 5) \times (6 + 7)$
$= 765 + (4! + 3) \times 2.$

• $821 = -2^3 + 3^5 - 4^7 + 5^6 + 6^4 + 7^2$
$= 2 + 3 \times (45 - 6) \times 7$
$= 765 + 4! + 32.$

• $823 = -2^6 - 3^7 + 4^4 + 5^5 + 6^2 - 7^3$
$= (2 + 3)! - \sqrt{4} \times 5 + 6! - 7$
$= -7 \times (6 + 5) + (4! + 3!)^2.$

• $827 = 2^3 - 3^7 - 4^6 - 5^4 + 6^5 - 7^2$
$= 234 - 5! + 6! - 7$
$= 765 + 4^3 - 2.$

• $829 = 2^7 - 3^2 - 4^4 - 5^6 - 6^3 + 7^5$
$= (2 \times 3)! + \sqrt{4} + 5! - 6 - 7$
$= 765 + \sqrt{4} \times 32.$

• $833 = -2^7 + 3^6 + 4^5 - 5^4 - 6^3 + 7^2$
$= -2 + 3! - 4 + 5! + 6! - 7$
$= 7 \times (6 - 5 - \sqrt{4} + (3 + 2)!).$

• $835 = -2^6 + 3^7 + 4^5 + 5^3 - 6^2 - 7^4$
$= 7 + 6! + 5! - 4 - 3! - 2$
$= (2 \times 3)! - 4 + 5! + 6 - 7.$

• $837 = 2^3 + 3^5 - 4^7 + 5^6 + 6^4 + 7^2$
$= (2 \times 3)! - 4 + 5! - 6 + 7$
$= (7! - 6)/(5 + 4 - 3) - 2.$

• $839 = -2^5 - 3^2 - 4^7 + 5^6 + 6^4 + 7^3$
$= (2 + 3)! \times (\sqrt{4} + 5) + 6 - 7$
$= 7!/6 - (5 - 4)^3 2.$

• $847 = 2^7 + 3^2 - 4^4 - 5^6 - 6^3 + 7^5$
$= -2 + 3! - 4 + 5! + 6! + 7$
$= -7 + 6! + 5! + (4 + 3) \times 2.$

• $851 = 2^4 + 3^5 + 4^7 - 5^6 - 6^3 + 7^2$
$= (2 \times 3)! + 4! + 5! - 6 - 7$
$= 765 + 43 \times 2.$

• $853 = -2^6 + 3^7 - 4^5 - 5^4 + 6^2 + 7^3$
$= 2 \times (\sqrt{\sqrt{3^4}}) + 5! + 6! + 7$
$= 7!/6 + 5 - 4! + 32.$

• $857 = -2^5 + 3^2 - 4^7 + 5^6 + 6^4 + 7^3$
$= 2 \times 3 \times 4! + 5! \times 6 - 7$
$= (7! + 6 + 5! - 4!)/(3 \times 2).$

• $859 = -2^7 - 3^6 - 4^3 + 5^5 - 6^4 - 7^2$
$= -2 \times 3! + 4! + 5! + 6! + 7$
$= 7!/6 + (-5 + 43)/2.$

• $861 = -2^7 + 3^3 - 4^4 - 5^6 + 6^2 + 7^5$
$= (2 + 3 + 4 + 5! - 6) \times 7$
$= 7!/6 + 5 \times 4 + 3 - 2.$

• $865 = 2^7 - 3^6 - 4^5 + 5^3 - 6^2 + 7^4$
$= -2 \times 3 + 4! + 5! + 6! + 7$
$= 7!/6 + 5 \times 4 + 3 + 2.$

• $867 = 2^6 + 3^7 - 4^5 - 5^4 + 6^3 + 7^2$
$= (2 + 3)! + 4 \times 5 + 6! + 7$
$= 7!/6 - 5 - 4 + 3!^2.$

• $869 = 2^2 - 3^6 - 4^7 - 5^3 + 6^4 + 7^5$
$= -2 + (3! + \sqrt{4} + 5) \times 67$
$= 7 + 6!/5 - \sqrt{4} + (\sqrt{3!^2})!.$

• $873 = 2^7 + 3^4 + 4^6 - 5^5 + 6^2 - 7^3$
$= (-2 + 34) \times 5 + 6! - 7$
$= -7 + 6! + 54 \times 3 - 2.$

• $875 = -2^3 + 3^7 + 4^6 - 5^2 - 6^5 + 7^4$
$= (23 + 4 + 5!) \times 6 - 7$
$= 7 \times (6 - 5 + 4 + (3 + 2)!).$

- $877 = 2^5 - 3^4 + 4^7 - 5^6 + 6^3 - 7^2$
  $= 2 \times 3^4 \times 5 + 67$
  $= -7 + 6! + 54 \times 3 + 2.$

- $879 = -2^4 - 3^5 + 4^7 - 5^6 + 6^2 + 7^3$
  $= 2 - 3 - \sqrt{4} + (5! + 6) \times 7$
  $= 7! - 65 - 4^{3\times 2}.$

- $881 = 2^7 - 3^6 + 4^5 + 5^4 - 6^3 + 7^2$
  $= (23 + 4^5 \times 6)/7$
  $= 7!/6 + 5 + 4 + 32.$

- $883 = -2^6 - 3^7 - 4^4 + 5^5 + 6^3 + 7^2$
  $= (2 \times 3)! - 4! + 5! + 67$
  $= 765 - \sqrt{4} + (3 + 2)!.$

- $885 = 2^6 - 3^3 + 4^7 - 5^2 + 6^4 - 7^5$
  $= -2 + 3! \times (4! + 5) + 6! - 7$
  $= 765 + 4! \times (3 + 2).$

- $887 = 2^6 - 3^2 - 4^7 + 5^4 - 6^3 + 7^5$
  $= 23 \times 4! + 5 \times 67$
  $= 7 \times 65 + 432.$

- $889 = -2^4 + 3^7 - 4^3 + 5^6 - 6^2 - 7^5$
  $= (23 + 4 + 5!) \times 6 + 7$
  $= -7!/6 - 5! + 43^2.$

- $891 = 2^3 + 3^7 + 4^6 - 5^2 - 6^5 + 7^4$
  $= 2 + 3 + 4 + (5! + 6) \times 7$
  $= -7 + 6! + 5!/\sqrt{4} \times 3 - 2.$

- $893 = -2^4 + 3^7 - 4^6 + 5^5 + 6^2 - 7^3$
  $= -2^{3!} + 4^5 + 67$
  $= 765 + 4 \times 32.$

- $895 = -2^4 + 3^6 - 4^7 - 5^2 - 6^3 + 7^5$
  $= -2 + 34 \times 5 + 6! + 7$
  $= 7!/6 - 5 + 4! + 3!^2.$

- $899 = -2^5 - 3^7 + 4^6 - 5^2 - 6^4 + 7^3$
  $= 2 \times (-3 + 456) - 7$
  $= (-7 + 6! + 5!) + \sqrt{4^{3!}} + 2.$

- $901 = 2^7 - 3^6 + 4^2 + 5^5 - 6^4 - 7^3$
  $= (2 + 3 + 4! + 5!) \times 6 + 7$
  $= 7!/6 - 5 + 4^3 + 2.$

- $903 = 2^5 - 3^2 - 4^7 + 5^6 + 6^4 + 7^3$
  $= (2 \times 3)! - 4 + 5! + 67$
  $= 7 \times (6 - 5 + 4 \times 32).$

- $905 = 2^6 + 3^2 - 4^7 + 5^4 - 6^3 + 7^5$
  $= 2 + (3 \times 45 - 6) \times 7$
  $= 7!/6 + 5 + 4! + 3!^2.$

- $907 = -2^6 + 3^7 + 4^5 + 5^3 + 6^2 - 7^4$
  $= 2 \times 3 \times (4! + 5! + 6) + 7$
  $= 7!/6 + 5 + 4^3 - 2.$

- $909 = -2^3 - 3^7 - 4^6 - 5^4 + 6^5 + 7^2$
  $= 2 - 3 + (4 + 5! + 6) \times 7$
  $= 765 + (4 \times 3)^2.$

- $911 = 2^4 - 3^5 + 4^7 - 5^6 + 6^2 + 7^3$
  $= 2 \times (3 + 456) - 7$
  $= 7 \times 6 + 5 + 4! \times 3!^2.$

- $913 = 2^6 - 3^7 - 4^4 + 5^5 + 6^3 - 7^2$
  $= 23 \times \sqrt{4} \times 5!/6 - 7$
  $= 7 + 6! + 5! + \sqrt{4^{3!}} + 2.$

- $915 = 2^7 + 3^4 + 4^6 - 5^5 - 6^3 - 7^2$
  $= 2 + 3 + (4 + 5! + 6) \times 7$
  $= (7 + 6! + 5)/4 \times (3 + 2).$

- $921 = 2^5 + 3^2 - 4^7 + 5^6 + 6^4 + 7^3$
  $= 23^{\sqrt{4}} + 56 \times 7$
  $= -7!/6! + (5! - 4) \times (3! + 2).$

- $925 = -2^3 + 3^7 + 4^6 + 5^2 - 6^5 + 7^4$
  $= 2 \times (3 + 456) + 7$
  $= (7 \times 6 - 5) \times (4! + 3 - 2).$

- $927 = 2^4 + 3^6 - 4^7 - 5^2 - 6^3 + 7^5$
  $= 23 \times \sqrt{4} \times 5!/6 + 7$
  $= 7 + 6! + 5 \times (4 + 3!^2).$

- $929 = -2^7 - 3^4 + 4^6 - 5^5 + 6^3 - 7^2$
  $= -2 + 3!! + 4! + 5! + 67$
  $= -7 + 6! + (5! - 4 \times 3) \times 2.$

- $933 = -2^6 - 3^7 + 4^5 - 5^2 - 6^3 + 7^4$
  $= 2 + 3!! + 4! + 5! + 67$
  $= 7!/6 + 5! - 4! - 3!/2.$

- $935 = 2^6 - 3^3 + 4^7 + 5^2 + 6^4 - 7^5$
  $= (-2 + 3 + 4) \times (5! + 67)$
  $= 7 \times 65 + 4 \times (3 + 2)!.$

- $937 = 2^7 - 3^6 - 4^5 + 5^3 + 6^2 + 7^4$
  $= (2 \times 3)! + 4 \times 56 - 7$
  $= 7!/6 + 5! - 4! + 3 - 2.$

- $939 = 2^6 + 3^3 + 4^7 - 5^2 + 6^4 - 7^5$
  $= 2 + 3!! + 4 \times 56 - 7$
  $= 7 \times 6 \times 5 + (4! + 3)^2.$

- $941 = 2^3 + 3^7 + 4^6 + 5^2 - 6^5 + 7^4$
  $= (2 \times 3)! - \sqrt{4} \times (-5! + 6) - 7$
  $= 7!/6 + 5! - 4! + 3 + 2.$

- $943 = -2^6 + 3^2 + 4^7 + 5^3 + 6^4 - 7^5$
  $= 23 \times (4 + 5 \times 6 + 7)$
  $= -7 + 6 + (5! - \sqrt{4}) \times (3! + 2).$

- $945 = -2^7 - 3^4 - 4^3 - 5^6 + 6^2 + 7^5$
  $= (-2 + 3^4 + 56) \times 7$
  $= 7 \times (6 + 5 + 4) \times 3^2.$

- $949 = -2^5 - 3^7 + 4^6 + 5^2 - 6^4 + 7^3$
  $= (2 \times 34 + 5) \times (6 + 7)$
  $= (7! + 654)/(3 \times 2).$

- $951 = 2^6 - 3^7 + 4^4 + 5^5 + 6^2 - 7^3$
  $= (2 \times 3)! + 4 \times 56 + 7$
  $= 7 + 6! + (5! - 4!/3) \times 2.$

- $953 = 2^7 + 3^6 + 4^5 + 5^2 - 6^4 + 7^3$
  $= 2 + 3!! + 4 \times 56 + 7$
  $= -7 + 6 \times 5 \times 4^3/2.$

- $955 = 2^7 + 3^6 - 4^5 - 5^3 + 6^4 - 7^2$
  $= (2 + 3) \times (4 + 5! + 67)$
  $= 7 + 6! + (-5 + 4!) \times 3! \times 2.$

- $957 = -2^3 - 3^6 - 4^7 - 5^2 + 6^4 + 7^5$
  $= 2^3 \times (-\sqrt{4} + 5!) + 6 + 7$
  $= -7 + 6 + 5! \times 4!/3 - 2.$

- $959 = -2^3 + 3^6 + 4^7 + 5^4 + 6^2 - 7^5$
  $= -23 + 4^5 - 6 \times 7$
  $= 7!/6 + 5! - (4-3)^2.$

- $961 = -2^2 + 3^7 - 4^4 + 5^6 + 6^3 - 7^5$
  $= 2 \times 3!! - 4 \times 5! - 6 + 7$
  $= 7!/6 + 5! - 4 + 3 + 2.$

- $963 = -2^6 - 3^7 + 4^4 + 5^5 - 6^3 + 7^2$
  $= 2^3 \times (\sqrt{4} + 5!) - 6 - 7$
  $= 7 - 6 + 5! \times 4!/3 + 2.$

- $965 = -2^2 - 3^7 + 4^6 - 5^5 - 6^3 + 7^4$
  $= 2 \times (-3! + 4! \times 5!)/6 + 7$
  $= 7!/6 + \sqrt{5^4} \times (3 + 2).$

- $967 = 2^7 - 3^6 - 4^5 - 5^2 + 6^3 + 7^4$
  $= (-2 + 3 + 4)! + 5! + 6! + 7$
  $= 7 + 6 \times 5 \times 4^3/2.$

- $969 = 2^2 + 3^7 - 4^4 + 5^6 + 6^3 - 7^5$
  $= 2 \times (3! + 4! \times 5!)/6 + 7$
  $= 7 + 6! - 5! + \sqrt{4} + 3!!/2.$

- $973 = 2^2 - 3^7 + 4^6 - 5^5 - 6^3 + 7^4$
  $= 2 \times 3!! - 4 \times 5! + 6 + 7$
  $= 7!/6 + 5 + 4 \times 32.$

- $975 = 2^3 + 3^6 + 4^7 + 5^4 + 6^2 - 7^5$
  $= ((2 + 3)! - 45) \times (6 + 7)$
  $= 7 + 6 + 5! \times 4!/3 + 2.$

- $977 = 2^4 + 3^6 - 4^7 + 5^2 - 6^3 + 7^5$
  $= 2 \times 3 \times 4! + 5! + 6! - 7$
  $= -7 + (65 - 4!) \times (3! - 2)!.$

- $981 = 2^6 + 3^7 - 4^5 - 5^4 + 6^2 + 7^3$
  $= -2 + 3!! + 45 \times 6 - 7$
  $= 7 + 6! + (5! + 4 + 3) \times 2.$

- $983 = -2^6 - 3^7 + 4^5 + 5^2 - 6^3 + 7^4$
  $= 2^{\sqrt{\sqrt{3^4}+5}} + 6! + 7$
  $= 7 \times 6!/5 - 4! - 3 + 2.$

- $987 = -2^6 + 3^7 + 4^5 + 5^2 + 6^3 - 7^4$
  $= (23 + 4 + 5! - 6) \times 7$
  $= 7!/6 + 5! + 4! + 3!/2.$

- $989 = 2^6 + 3^3 + 4^7 + 5^2 + 6^4 - 7^5$
  $= (23 \times \sqrt{4} + 5!) \times 6 - 7$
  $= 7 \times 6!/5 - 4! + 3 + 2.$

- $991 = 2^7 - 3^3 - 4^4 - 5^6 - 6^2 + 7^5$
  $= 2 \times 3 \times 4! + 5! + 6! + 7$
  $= 7!/6! + 5! + 4! \times 3!^2.$

- $993 = 2^4 + 3^7 - 4^3 + 5^6 + 6^2 - 7^5$
  $= 23 \times 45 - 6 \times 7$
  $= 7 \times (6!/5 - \sqrt{4}) - 3 + 2.$

- $997 = -2^6 - 3^7 - 4^4 + 5^5 + 6^2 + 7^3$
  $= -2 + (3 + 4!) \times (-5 + 6 \times 7)$
  $= -7 + 6 + (5 \times \sqrt{4})^3 - 2.$

- $1001 = -2^7 - 3^4 + 4^3 - 5^6 - 6^2 + 7^5$
  $= 2 + (3 + 4!) \times (-5 + 6 \times 7)$
  $= 7 - 6 \times 5 + 4^{3+2}.$

- $1005 = -2^7 - 3^2 - 4^4 - 5^6 + 6^3 + 7^5$
  $= 23 \times 4 \times (5 + 6) - 7$
  $= 7 \times 6!/5 + \sqrt{4} - 3 - 2.$

- $1007 = -2^3 - 3^6 - 4^7 + 5^2 + 6^4 + 7^5$
  $= 2 - 3! + 4^5 - 6 - 7$
  $= 7 \times 6!/5 + 4 - 3 - 2.$

- $1009 = 2^5 - 3^7 + 4^6 - 5^4 + 6^2 - 7^3$
  $= 2 \times 3^4 + 5! + 6! + 7$
  $= 7! + 65 - 4^{3\times 2}.$

- $1011 = 2^6 - 3^7 - 4^4 + 5^5 + 6^3 + 7^2$
  $= (-2 + 3) \times 4^5 - 6 - 7$
  $= 7 \times 6!/5 - \sqrt{4} + 3 + 2.$

- $1013 = 2^7 + 3^4 + 4^6 - 5^5 - 6^3 + 7^2$
  $= (2 \times 3)!/4 + 5! + 6! - 7$
  $= -76 + (5!/4 + 3)^2.$

- $1017 = 2^7 - 3^6 - 4^5 + 5^2 + 6^3 + 7^4$
  $= (2 + 3)^4 + 56 \times 7$
  $= 7 \times 6!/5 + 4 + 3 + 2.$

- $1023 = 2^3 - 3^6 - 4^7 + 5^2 + 6^4 + 7^5$
  $= (-2 + 3) \times 4^5 + 6 - 7$
  $= (7! + 65)/(\sqrt{4} + 3) + 2.$

- $1025 = -2^5 - 3^4 + 4^7 - 5^6 + 6^2 + 7^3$
  $= (-2 + 3) \times 4^5 - 6 + 7$
  $= (7 - 6)^5 + 4^{3+2}.$

- $1027 = -2^7 - 3^4 + 4^6 - 5^5 + 6^3 + 7^2$
  $= (2 \times 3)!/4 + 5! + 6! + 7$
  $= 7 \times 6!/5 + 4! - 3 - 2.$

- $1029 = -2^2 + 3^7 + 4^6 + 5^3 - 6^5 + 7^4$
  $= 2 + 3 + 4^5 \times (-6 + 7)$
  $= 7 \times (6!/5 + \sqrt{4} + 3 - 2).$

- $1033 = -2^4 + 3^7 - 4^6 + 5^5 - 6^3 + 7^2$
  $= 2 - 3! + 4^5 + 6 + 7$
  $= -7 + 6! + 5 \times \sqrt{4} \times 32.$

- $1035 = -2^7 + 3^4 - 4^3 - 5^6 - 6^2 + 7^5$
  $= 23 \times 45 \times (-6 + 7)$
  $= (-7 + 6 \times 5) \times (43 + 2).$

- $1037 = 2^2 + 3^7 + 4^6 + 5^3 - 6^5 + 7^4$
  $= (-2 + 3) \times 4^5 + (6 + 7)$
  $= 7!/6 + 5 + 4! \times (3! + 2).$

- $1039 = 2^5 + 3^4 + 4^7 - 5^6 + 6^3 - 7^2$
  $= \sqrt{-2 + 3!} + 4^5 + 6 + 7$
  $= 7 + 6! - 5! + 432.$

- $1041 = -2^2 + 3^7 + 4^4 + 5^6 - 6^3 - 7^5$
  $= -2 + 3! + 4^5 + 6 + 7$
  $= 7 \times 6 \times \sqrt{5^4} - 3^2.$

- $1045 = 2^7 + 3^3 - 4^4 - 5^6 - 6^2 + 7^5$
  $= 2 + 3! + 4^5 + 6 + 7$
  $= 7 - 6 + (5 + 4!) \times 3!^2.$

- $1047 = -2^7 + 3^6 - 4^5 + 5^3 + 6^4 + 7^2$
  $= (2+3)! \times 4 + 567$
  $= 7 + 6! + 5 \times \sqrt{4} \times 32.$
- $1069 = -2^7 - 3^4 + 4^6 - 5^5 - 6^2 + 7^3$
  $= -2 + 3 \times (45+6) \times 7$
  $= 7 \times (6 \times \sqrt{5^4} + 3) - 2.$
- $1091 = 2^6 - 3^7 + 4^4 + 5^5 - 6^3 + 7^2$
  $= (-2+3) \times (4^5 + 67)$
  $= -7 + (6 + 543) \times 2.$

- $1049 = 2^2 + 3^7 + 4^4 + 5^6 - 6^3 - 7^5$
  $= 2 \times 3! + 4^5 + 6 + 7$
  $= 7 + 6! + 54 \times 3! - 2.$
- $1071 = 2^6 + 3^2 + 4^7 + 5^3 + 6^4 - 7^5$
  $= (23-4) \times 56 + 7$
  $= 7 \times (6!/5 + 4 + 3 + 2).$
- $1093 = -2^7 + 3^6 - 4^2 + 5^5 - 6^3 - 7^4$
  $= 2 \times (-34 \times 5 + 6!) - 7$
  $= 7 + 6 + 5! \times (4 + 3 + 2).$

- $1051 = 2^5 - 3^7 + 4^6 - 5^4 - 6^3 - 7^2$
  $= 2^{3!+4} + 5!/6 + 7$
  $= 7 + 6!/5 + (4! + 3!)^2.$
- $1073 = -2^5 + 3^4 + 4^7 - 5^6 + 6^3 + 7^2$
  $= (2 + 3 + 4!) \times (-5 + 6 \times 7)$
  $= (7 \times 6 - 5) \times (4! + 3 + 2).$
- $1095 = -2^7 + 3^2 - 4^6 + 5^5 - 6^3 + 7^4$
  $= -2 + 3! + 4^5 + 67$
  $= 76 - 5 + 4^{3+2}.$

- $1053 = 2^7 + 3^6 - 4^5 - 5^3 + 6^4 + 7^2$
  $= 2 + 3! \times (4! + 5) \times 6 + 7$
  $= (7+6) \times (-5 + 43 \times 2).$
- $1077 = -2^7 - 3^2 - 4^6 + 5^5 - 6^3 + 7^4$
  $= 23 \times 45 + 6 \times 7$
  $= (-7 + 6! + 5)/\sqrt{4} + 3!! - 2.$
- $1099 = -2^7 - 3^6 + 4^5 + 5^4 - 6^2 + 7^3$
  $= 2 + 3! + 4^5 + 67$
  $= 7 + 6 + 543 \times 2.$

- $1057 = -2^7 - 3^6 + 4^5 + 5^4 + 6^3 + 7^2$
  $= (23-4) \times 56 - 7$
  $= 7!/6 + 5 \times 43 + 2.$
- $1079 = 2^4 + 3^6 - 4^7 - 5^3 + 6^2 + 7^5$
  $= 2 + 3!! + (45+6) \times 7$
  $= -7 + 6 + 5! \times (4 + 3 + 2).$
- $1103 = 2^6 + 3^3 - 4^7 + 5^4 - 6^2 + 7^5$
  $= 234 \times 5 - 67$
  $= 7 + 6! + 5! + 4^{3!-2}.$

- $1061 = 2^6 - 3^7 + 4^5 - 5^2 - 6^3 + 7^4$
  $= 2 \times 3! \times (4! + 5) + 6! - 7$
  $= -7 + 6 + (5! - \sqrt{4}) \times 3^2.$
- $1083 = -2^7 - 3^5 + 4^6 - 5^2 - 6^3 - 7^4$
  $= -2^3 + 4^5 + 67$
  $= 7!/6 + \sqrt{(5+4)^{3+2}}.$
- $1107 = -2^7 + 3^4 - 4^3 - 5^6 + 6^2 + 7^5$
  $= -2 + 3!^4 - 5! - 67$
  $= (-7 + 65 \times \sqrt{4}) \times 3^2.$

- $1063 = 2^7 - 3^3 - 4^4 - 5^6 + 6^2 + 7^5$
  $= (-2 + 3 \times 4!) \times 5 + 6! - 7$
  $= 7^{6-5+\sqrt{4}} + (3 \times 2)!.$
- $1085 = -2^6 - 3^7 + 4^5 - 5^3 + 6^2 + 7^4$
  $= -2 \times 3 + 4^5 + 67$
  $= -7 + 6 + 543 \times 2.$
- $1109 = -2^4 - 3^7 - 4^6 - 5^2 + 6^5 - 7^3$
  $= (2 \times 3)^4 - 5! - 67$
  $= -7 + 6 \times (5! + \sqrt{4^{3!}} + 2).$

- $1065 = 2^4 + 3^7 - 4^6 + 5^5 - 6^3 + 7^2$
  $= 2 - 3 + 4^5 + 6 \times 7$
  $= -7 + 6! + (5! - \sqrt{4}) \times 3 - 2.$
- $1089 = 2^5 - 3^4 + 4^7 - 5^6 + 6^2 + 7^3$
  $= (2 + 3 + 4) \times (5! - 6 + 7)$
  $= -7 + 6! + 5! + \sqrt{4^{3!+2}}.$
- $1111 = 2^6 - 3^7 + 4^5 + 5^2 - 6^3 + 7^4$
  $= 2 + 3!^4 - 5! - 67$
  $= (7! + 6!)/5 - 43 + 2.$

### 2.5.3 In Terms of Digits 3, 4, 5, 6, 7 and 8

- $1 = 3^7 - 4^8 - 5^4 + 6^6 + 7^5 + 8^3$
  $= (-3+4)^{5678}$
  $= (8-7)^{6543}.$
- $85 = -3^8 + 4^7 - 5^6 + 6^5 - 7^4 + 8^3$
  $= 3 - 4 \times (5-6) + 78$
  $= 8 + 76 + (5-4)^3.$
- $227 = 3^7 - 4^8 + 5^4 + 6^6 + 7^5 - 8^3$
  $= 3! \times (\sqrt{4^5} + 6) + 7 - 8$
  $= (8 + 7 + 6! - 54)/3.$

- $39 = 3^7 + 4^8 - 5^3 - 6^6 - 7^5 - 8^4$
  $= 3 \times (45-6) - 78$
  $= 8 + 7 + 6 + 54/3.$
- $155 = -3^8 - 4^4 - 5^7 + 6^3 + 7^6 - 8^5$
  $= 3!! - 4! - 5 - 67 \times 8$
  $= -8 + 7 - 6 + 54 \times 3.$
- $235 = -3^8 + 4^4 - 5^7 - 6^3 + 7^6 - 8^5$
  $= (34+5) \times 6 - 7 + 8$
  $= 8 - 7 + (-6 + 5!) \times \sqrt{4} + 3!.$

- $277 = 3^8 + 4^4 + 5^7 + 6^3 - 7^6 + 8^5$
  $= -3 + 4 \times (5 + 67) - 8$
  $= 8 \times 7 \times 6 + 5 - 4^3.$

- $289 = 3^7 + 4^8 + 5^3 - 6^6 - 7^5 - 8^4$
  $= 3 - 4! + 5 \times (6 + 7 \times 8)$
  $= 8 + (76 - 5) \times 4 - 3.$

- $331 = -3^6 - 4^8 + 5^7 - 6^5 + 7^3 - 8^4$
  $= 3! - \sqrt{4} + 5 \times 67 - 8$
  $= 8 \times 7 \times 6 + 5 - 4 - 3!.$

- $355 = 3^6 + 4^8 - 5^7 + 6^5 + 7^3 + 8^4$
  $= (3 + \sqrt{4}) \times (56 + 7 + 8)$
  $= 8 - 7 + 6 + (5! - 4) \times 3.$

- $391 = 3^6 - 4^8 + 5^7 - 6^3 - 7^5 + 8^4$
  $= (3 + 4) \times 56 + 7 - 8$
  $= -8 \times 7 \times 6 + 5 + \sqrt{4} + 3!!.$

- $635 = 3^6 + 4^8 - 5^7 - 6^3 + 7^5 - 8^4$
  $= 3 - \sqrt{4^5} + 6! - 7 \times 8$
  $= 8 - 7 + 6 + 5^4 + 3.$

- $667 = -3^8 + 4^4 - 5^7 + 6^3 + 7^6 - 8^5$
  $= -3 \times \sqrt{4} - 5 + 678$
  $= -87 + 6 \times 5 + 4 + 3!!.$

- $823 = 3^6 - 4^8 + 5^7 + 6^3 - 7^5 + 8^4$
  $= 3 \times (45 \times 6 + 7) - 8$
  $= 8 \times 76 + 5 \times 43.$

- $875 = -3^4 + 4^8 - 5^7 + 6^6 - 7^3 - 8^5$
  $= (3 + 4) \times (5! + 6 + 7 - 8)$
  $= 8 \times (7 + 6 + 5! - 4!) + 3.$

- $939 = 3^8 - 4^7 + 5^6 - 6^5 + 7^4 + 8^3$
  $= 3^4 + (5 + 6) \times 78$
  $= 87 + 6! + 5! + 4 \times 3.$

- $1023 = -3^7 + 4^8 + 5^4 - 6^6 - 7^5 + 8^3$
  $= 345 + 678$
  $= 87 + 6^{5-\sqrt{4}} + 3!!.$

- $1037 = 3^4 + 4^8 - 5^7 + 6^6 - 7^3 - 8^5$
  $= 3! + 4^5 + 6 - 7 + 8$
  $= 8 \times 7 \times 6 + 5 - 4! + 3!!.$

- $1067 = 3^6 + 4^8 - 5^7 + 6^3 + 7^5 - 8^4$
  $= 3!! + 4 + 5 \times 67 + 8$
  $= 87 + 65 \times 4 + 3!!.$

- $1075 = -3^3 - 4^8 + 5^7 - 6^6 + 7^4 + 8^5$
  $= \sqrt{3^4} \times 5! - 6 - 7 + 8$
  $= (-8 + 7 + 6) \times 5 \times 43.$

- $1103 = 3^6 - 4^8 + 5^7 - 6^5 - 7^3 - 8^4$
  $= -8 + 7 + 6 \times (5! + \sqrt{4^{3!}}).$

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