

Flexible Powers Narcissistic-Type Numbers

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Abstract

*This paper works with extensions of narcissistic numbers as **flexible powers narcissistic numbers** with positive, and positive-negative coefficients. This is revised and enlarged version of author's previous work [13].*

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1 Introduction

An n -digit number that is the sum of the n^{th} powers of its digits is called an n -narcissistic number. It is also sometimes known as an Armstrong number, perfect digital invariant (Madachy 1966 [6]), or plus perfect number. Hardy in 1940 [2] (pg. 25) wrote, there are just four numbers of three digits, which are the sums of the cubes of their digits:

$$153 = 1^3 + 5^3 + 3^3$$

$$370 = 3^3 + 7^3 + 0^3$$

$$371 = 3^3 + 7^3 + 1^3$$

$$407 = 4^3 + 0^3 + 7^3$$

The above four numbers have the same digits on both sides except the power 3 and are with 3 digits. There are four more numbers with 4 digits:

$$1634 := 1^4 + 6^4 + 3^4 + 4^4$$

$$4151 := 4^5 + 1^5 + 5^5 + 1^5$$

$$8208 := 8^4 + 2^4 + 0^4 + 8^4$$

$$9472 := 9^4 + 4^4 + 7^4 + 2^4$$

Above numbers are with fixed power. Relaxing this condition, we may have much numbers with flexible power, for example,

$$132 := 1^1 + 3^1 + 2^7$$

$$2353 := 2^5 + 3^2 + 5^3 + 3^7$$

... (A)

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Moreover, instead of having positive coefficients, we can have positive-negative coefficients, for example,

$$\begin{aligned} 128 &:= -1^1 + 2^7 + 8^0 \\ 9942 &:= -9^1 - 9^4 + 4^7 + 2^7 \\ &\dots \quad (B) \end{aligned}$$

The following four numbers are known in the literature [3, 4, 5]:

$$\begin{aligned} 3435 &:= 3^3 + 4^4 + 3^3 + 5^5 \\ 438579088 &:= 4^4 + 3^3 + 8^8 + 5^5 + 7^7 + 9^9 + 0^0 + 8^8 + 8^8 \\ 48625 &:= 4^5 + 8^2 + 6^6 + 2^8 + 5^4 \\ 397612 &:= 3^2 + 9^1 + 7^6 + 6^7 + 1^9 + 2^3 \end{aligned}$$

The first two are having the same power as of bases. The last two numbers are such that the power is in reverse order of digits numbers. Our aim here is little different. We want to bring numbers similar to one given in (A) and (B), where only the base digits follows the order of digits of given number, and the powers are flexible both for positive, and positive-negative coefficients. The work is limited up to 5 digits. The numbers 3435 and 48625 given above are also appears in our study.

Let's consider the following expression:

$$abc\dots = a^{m_1} \pm b^{m_2} \pm c^{m_3} \pm \dots, \quad a, b, c, \dots \in \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}, \quad a \neq 0. \quad (1)$$

For simplicity, let us write the (1) as

$$abc\dots = (a, b, d, \dots)^{(m_1, m_2, m_3, \dots)} \quad (2)$$

Detailed study of numbers arising due to equation (1) or (2) are given in [13, 19]. If the powers and bases are of same digits with different permutations, then the equation (2) can be re-written as

$$abc\dots = (a, b, d, \dots)^{(a, b, c, \dots)} \quad (3)$$

Numbers arising due to (3) are defined as **flexible power selfie numbers**, and studied by author [15, 16, 17]. See below some examples,

$$\begin{aligned} 23 &:= -2^2 + 3^3 \\ 1364 &:= 1^6 + 3^1 + 6^4 + 4^3 \\ 3435 &:= 3^3 + 4^4 + 3^3 + 5^5 \\ 3045 &:= -3^4 + 0^3 + 4^0 + 5^5 \\ 78205 &:= 7^2 - 8^0 + 2^5 + 0^8 + 5^7 \end{aligned}$$

From above, we observe that the powers and bases are of same digits with different permutations.

Study on numbers in different situations see summary of author's work [18].

In this work, aim is to write **narcissistic-type numbers** according to (1) **flexible** powers in two situation, one with **positive coefficients** and another with **positive and negative coefficients**.

2 Flexible Powers: Positive Coefficients

In this section, we shall give narcissistic-type numbers with flexible powers and positive coefficients. It is understood that $0^a = 1, a \neq 0$ and $0^0 = 1$.

$1 := 1^1$	$370 := 3^3 + 7^3 + 0^1$	$1323 := 1^1 + 3^4 + 2^9 + 3^6$
$2 := 2^1$	$371 := 3^3 + 7^3 + 1^0$	$1326 := 1^1 + 3^3 + 2^1 + 6^4$
$3 := 3^1$	$372 := 3^3 + 7^3 + 2^1$	$1349 := 1^1 + 3^5 + 4^5 + 9^2$
$4 := 4^1$	$373 := 3^1 + 7^3 + 3^3$	$1356 := 1^1 + 3^6 + 5^4 + 6^0$
$5 := 5^1$	$374 := 3^3 + 7^3 + 4^1$	$1362 := 1^1 + 3^0 + 6^4 + 2^6$
$6 := 6^1$	$375 := 3^3 + 7^3 + 5^1$	$1364 := 1^1 + 3^1 + 6^4 + 4^3$
$7 := 7^1$	$376 := 3^3 + 7^3 + 6^1$	$1386 := 1^1 + 3^4 + 8^1 + 6^4$
$8 := 8^1$	$377 := 3^3 + 7^1 + 7^3$	$1426 := 1^1 + 4^0 + 2^7 + 6^4$
$9 := 9^1$	$378 := 3^3 + 7^3 + 8^1$	$1498 := 1^1 + 4^4 + 9^3 + 8^3$
	$379 := 3^3 + 7^3 + 9^1$	$1542 := 1^1 + 5^1 + 4^5 + 2^9$
$24 := 2^3 + 4^2$	$407 := 4^3 + 0^1 + 7^3$	$1634 := 1^1 + 6^4 + 3^4 + 4^4$
$43 := 4^2 + 3^3$	$445 := 4^3 + 4^4 + 5^3$	$1672 := 1^1 + 6^4 + 7^3 + 2^5$
$63 := 6^2 + 3^3$	$463 := 4^1 + 6^3 + 3^5$	$1676 := 1^1 + 6^2 + 7^3 + 6^4$
$89 := 8^1 + 9^2$	$518 := 5^1 + 1^0 + 8^3$	$1765 := 1^1 + 7^3 + 6^4 + 5^3$
	$538 := 5^2 + 3^0 + 8^3$	$1836 := 1^1 + 8^3 + 3^3 + 6^4$
$132 := 1^1 + 3^1 + 2^7$	$598 := 5^1 + 9^2 + 8^3$	$2048 := 2^9 + 0^1 + 4^5 + 8^3$
$135 := 1^1 + 3^2 + 5^3$	$629 := 6^2 + 2^9 + 9^2$	$2064 := 2^9 + 0^1 + 6^4 + 4^4$
$153 := 1^1 + 5^3 + 3^3$	$737 := 7^1 + 3^6 + 7^0$	$2193 := 2^2 + 1^0 + 9^0 + 3^7$
$175 := 1^1 + 7^2 + 5^3$	$739 := 7^1 + 3^1 + 9^3$	$2203 := 2^3 + 2^3 + 0^1 + 3^7$
$209 := 2^7 + 0^1 + 9^2$	$779 := 7^2 + 7^0 + 9^3$	$2223 := 2^1 + 2^1 + 2^5 + 3^7$
$224 := 2^5 + 2^7 + 4^3$	$794 := 7^2 + 9^3 + 4^2$	$2236 := 2^4 + 2^5 + 3^7 + 6^0$
$226 := 2^1 + 2^3 + 6^3$	$849 := 8^3 + 4^4 + 9^2$	$2243 := 2^3 + 2^5 + 4^2 + 3^7$
$254 := 2^7 + 5^3 + 4^0$	$935 := 9^2 + 3^6 + 5^3$	$2253 := 2^6 + 2^0 + 5^0 + 3^7$
$258 := 2^8 + 5^0 + 8^0$	$946 := 9^3 + 4^0 + 6^3$	$2263 := 2^3 + 2^5 + 6^2 + 3^7$
$262 := 2^7 + 6^1 + 2^7$	$973 := 9^3 + 7^0 + 3^5$	$2264 := 2^9 + 2^9 + 6^3 + 4^5$
$263 := 2^8 + 6^1 + 3^0$	$994 := 9^1 + 9^3 + 4^4$	$2283 := 2^4 + 2^4 + 8^2 + 3^7$
$264 := 2^1 + 6^1 + 4^4$		$2315 := 2^1 + 3^7 + 1^0 + 5^3$
$267 := 2^1 + 6^3 + 7^2$	$1034 := 1^1 + 0^1 + 3^2 + 4^5$	$2317 := 2^7 + 3^7 + 1^0 + 7^0$
$283 := 2^5 + 8^1 + 3^5$	$1042 := 1^1 + 0^0 + 4^5 + 2^4$	$2320 := 2^2 + 3^7 + 2^7 + 0^0$
$308 := 3^5 + 0^0 + 8^2$	$1073 := 1^1 + 0^1 + 7^3 + 3^6$	$2324 := 2^3 + 3^7 + 2^7 + 4^0$
$332 := 3^4 + 3^5 + 2^3$	$1074 := 1^1 + 0^1 + 7^2 + 4^5$	$2332 := 2^3 + 3^2 + 3^7 + 2^7$
$333 := 3^2 + 3^4 + 3^5$	$1234 := 1^1 + 2^7 + 3^4 + 4^5$	$2333 := 2^6 + 3^0 + 3^4 + 3^7$
$334 := 3^3 + 3^5 + 4^3$	$1243 := 1^1 + 2^9 + 4^0 + 3^6$	$2334 := 2^1 + 3^4 + 3^7 + 4^3$
$347 := 3^1 + 4^0 + 7^3$	$1255 := 1^1 + 2^2 + 5^4 + 5^4$	$2336 := 2^5 + 3^4 + 3^7 + 6^2$
$357 := 3^2 + 5^1 + 7^3$	$1306 := 1^1 + 3^2 + 0^1 + 6^4$	$2343 := 2^7 + 3^3 + 4^0 + 3^7$

$$\begin{aligned}
2345 &:= 2^5 + 3^7 + 4^0 + 5^3 \\
2352 &:= 2^3 + 3^7 + 5^3 + 2^5 \\
2353 &:= 2^5 + 3^2 + 5^3 + 3^7 \\
2356 &:= 2^3 + 3^7 + 5^3 + 6^2 \\
2372 &:= 2^3 + 3^7 + 7^2 + 2^7 \\
2373 &:= 2^7 + 3^2 + 7^2 + 3^7 \\
2376 &:= 2^3 + 3^6 + 7^3 + 6^4 \\
2380 &:= 2^7 + 3^7 + 8^2 + 0^0 \\
2395 &:= 2^1 + 3^7 + 9^2 + 5^3 \\
2396 &:= 2^7 + 3^5 + 9^3 + 6^4 \\
2397 &:= 2^7 + 3^7 + 9^2 + 7^0 \\
2407 &:= 2^1 + 4^1 + 0^1 + 7^4 \\
2427 &:= 2^1 + 4^2 + 2^3 + 7^4 \\
2433 &:= 2^1 + 4^0 + 3^5 + 3^7 \\
2436 &:= 2^5 + 4^0 + 3^7 + 6^3 \\
2437 &:= 2^3 + 4^0 + 3^3 + 7^4 \\
2443 &:= 2^7 + 4^3 + 4^3 + 3^7 \\
2464 &:= 2^7 + 4^2 + 6^4 + 4^5 \\
2467 &:= 2^6 + 4^0 + 6^0 + 7^4 \\
2470 &:= 2^2 + 4^3 + 7^4 + 0^0 \\
2474 &:= 2^3 + 4^0 + 7^4 + 4^3 \\
2483 &:= 2^5 + 4^4 + 8^1 + 3^7 \\
2532 &:= 2^6 + 5^2 + 3^7 + 2^8 \\
2536 &:= 2^3 + 5^3 + 3^7 + 6^3 \\
2537 &:= 2^1 + 5^1 + 3^7 + 7^3 \\
2574 &:= 2^5 + 5^3 + 7^4 + 4^2 \\
2577 &:= 2^1 + 5^3 + 7^2 + 7^4 \\
2626 &:= 2^1 + 6^4 + 2^5 + 6^4 \\
2627 &:= 2^1 + 6^3 + 2^3 + 7^4 \\
2664 &:= 2^3 + 6^4 + 6^4 + 4^3 \\
2674 &:= 2^4 + 6^0 + 7^4 + 4^4 \\
2707 &:= 2^8 + 7^2 + 0^0 + 7^4 \\
2722 &:= 2^6 + 7^4 + 2^0 + 2^8 \\
2732 &:= 2^5 + 7^0 + 3^7 + 2^9 \\
2733 &:= 2^3 + 7^4 + 3^4 + 3^5 \\
2735 &:= 2^7 + 7^4 + 3^4 + 5^3 \\
2736 &:= 2^9 + 7^0 + 3^7 + 6^2 \\
2738 &:= 2^5 + 7^1 + 3^7 + 8^3
\end{aligned}$$

$$\begin{aligned}
2739 &:= 2^7 + 7^3 + 3^7 + 9^2 \\
2746 &:= 2^7 + 7^4 + 4^0 + 6^3 \\
2747 &:= 2^1 + 7^3 + 4^0 + 7^4 \\
2753 &:= 2^9 + 7^2 + 5^1 + 3^7 \\
2757 &:= 2^3 + 7^3 + 5^1 + 7^4 \\
2773 &:= 2^1 + 7^3 + 7^4 + 3^3 \\
2777 &:= 2^5 + 7^0 + 7^3 + 7^4 \\
2794 &:= 2^7 + 7^4 + 9^1 + 4^4 \\
2843 &:= 2^7 + 8^3 + 4^2 + 3^7 \\
2863 &:= 2^7 + 8^3 + 6^2 + 3^7 \\
2864 &:= 2^5 + 8^3 + 6^4 + 4^5 \\
2932 &:= 2^3 + 9^3 + 3^7 + 2^3 \\
2933 &:= 2^3 + 9^1 + 3^6 + 3^7 \\
2934 &:= 2^1 + 9^3 + 3^7 + 4^2 \\
2953 &:= 2^5 + 9^3 + 5^1 + 3^7 \\
2973 &:= 2^3 + 9^3 + 7^2 + 3^7 \\
2978 &:= 2^6 + 9^0 + 7^4 + 8^3 \\
2994 &:= 2^9 + 9^3 + 9^3 + 4^5 \\
3145 &:= 3^1 + 1^0 + 4^2 + 5^5 \\
3147 &:= 3^6 + 1^0 + 4^2 + 7^4 \\
3154 &:= 3^3 + 1^0 + 5^5 + 4^0 \\
3165 &:= 3^1 + 1^0 + 6^2 + 5^5 \\
3167 &:= 3^6 + 1^0 + 6^2 + 7^4 \\
3212 &:= 3^7 + 2^9 + 1^0 + 2^9 \\
3214 &:= 3^7 + 2^1 + 1^0 + 4^5 \\
3215 &:= 3^4 + 2^3 + 1^0 + 5^5 \\
3235 &:= 3^3 + 2^1 + 3^4 + 5^5 \\
3237 &:= 3^4 + 2^9 + 3^5 + 7^4 \\
3238 &:= 3^3 + 2^9 + 3^7 + 8^3 \\
3244 &:= 3^7 + 2^5 + 4^0 + 4^5 \\
3254 &:= 3^4 + 2^5 + 5^5 + 4^2 \\
3255 &:= 3^1 + 2^1 + 5^3 + 5^5 \\
3257 &:= 3^1 + 2^7 + 5^5 + 7^0 \\
3274 &:= 3^6 + 2^7 + 7^4 + 4^2 \\
3292 &:= 3^7 + 2^9 + 9^2 + 2^9 \\
3294 &:= 3^7 + 2^1 + 9^2 + 4^5 \\
3295 &:= 3^4 + 2^3 + 9^2 + 5^5 \\
3324 &:= 3^4 + 3^7 + 2^5 + 4^5
\end{aligned}$$

$$\begin{aligned}
3325 &:= 3^7 + 3^0 + 2^9 + 5^4 \\
3342 &:= 3^1 + 3^7 + 4^5 + 2^7 \\
3345 &:= 3^2 + 3^7 + 4^5 + 5^3 \\
3374 &:= 3^5 + 3^6 + 7^4 + 4^0 \\
3385 &:= 3^2 + 3^5 + 8^1 + 5^5 \\
3429 &:= 3^7 + 4^0 + 2^9 + 9^3 \\
3432 &:= 3^6 + 4^1 + 3^7 + 2^9 \\
3435 &:= 3^1 + 4^3 + 3^5 + 5^5 \\
3436 &:= 3^2 + 4^5 + 3^7 + 6^3 \\
3437 &:= 3^1 + 4^5 + 3^2 + 7^4 \\
3453 &:= 3^4 + 4^1 + 5^5 + 3^5 \\
3454 &:= 3^2 + 4^3 + 5^5 + 4^4 \\
3457 &:= 3^3 + 4^4 + 5^5 + 7^2 \\
3474 &:= 3^7 + 4^4 + 7^1 + 4^5 \\
3475 &:= 3^1 + 4^1 + 7^3 + 5^5 \\
3476 &:= 3^7 + 4^5 + 7^2 + 6^3 \\
3477 &:= 3^1 + 4^5 + 7^2 + 7^4 \\
3492 &:= 3^7 + 4^3 + 9^3 + 2^9 \\
3496 &:= 3^7 + 4^1 + 9^1 + 6^4 \\
3523 &:= 3^3 + 5^5 + 2^7 + 3^5 \\
3525 &:= 3^5 + 5^3 + 2^5 + 5^5 \\
3527 &:= 3^3 + 5^5 + 2^5 + 7^3 \\
3543 &:= 3^4 + 5^5 + 4^4 + 3^4 \\
3566 &:= 3^2 + 5^5 + 6^3 + 6^3 \\
3569 &:= 3^7 + 5^1 + 6^4 + 9^2 \\
3612 &:= 3^7 + 6^4 + 1^0 + 2^7 \\
3625 &:= 3^5 + 6^0 + 2^8 + 5^5 \\
3635 &:= 3^3 + 6^4 + 3^7 + 5^3 \\
3652 &:= 3^2 + 6^1 + 5^5 + 2^9 \\
3657 &:= 3^7 + 6^4 + 5^3 + 7^2 \\
3674 &:= 3^5 + 6^1 + 7^4 + 4^5 \\
3678 &:= 3^6 + 6^2 + 7^4 + 8^3 \\
3692 &:= 3^7 + 6^4 + 9^2 + 2^7 \\
3706 &:= 3^2 + 7^4 + 0^1 + 6^4 \\
3723 &:= 3^4 + 7^4 + 2^9 + 3^6 \\
3724 &:= 3^7 + 7^0 + 2^9 + 4^5 \\
3725 &:= 3^4 + 7^1 + 2^9 + 5^5 \\
3726 &:= 3^3 + 7^4 + 2^1 + 6^4
\end{aligned}$$

$$\begin{aligned}
3746 &:= 3^7 + 7^1 + 4^4 + 6^4 \\
3749 &:= 3^5 + 7^4 + 4^5 + 9^2 \\
3756 &:= 3^6 + 7^4 + 5^4 + 6^0 \\
3764 &:= 3^1 + 7^4 + 6^4 + 4^3 \\
3765 &:= 3^4 + 7^3 + 6^3 + 5^5 \\
3786 &:= 3^4 + 7^4 + 8^1 + 6^4 \\
3856 &:= 3^1 + 8^3 + 5^5 + 6^3 \\
3940 &:= 3^7 + 9^3 + 4^5 + 0^1 \\
3941 &:= 3^7 + 9^3 + 4^5 + 1^0 \\
3942 &:= 3^7 + 9^3 + 4^5 + 2^1 \\
3943 &:= 3^1 + 9^3 + 4^5 + 3^7 \\
3944 &:= 3^7 + 9^3 + 4^1 + 4^5 \\
3945 &:= 3^3 + 9^3 + 4^3 + 5^5 \\
3946 &:= 3^7 + 9^3 + 4^5 + 6^1 \\
3947 &:= 3^7 + 9^3 + 4^5 + 7^1 \\
3948 &:= 3^7 + 9^3 + 4^5 + 8^1 \\
3949 &:= 3^7 + 9^1 + 4^5 + 9^3 \\
4098 &:= 4^6 + 0^1 + 9^0 + 8^0 \\
4099 &:= 4^6 + 0^0 + 9^0 + 9^0 \\
4102 &:= 4^6 + 1^0 + 0^0 + 2^2 \\
4114 &:= 4^2 + 1^0 + 1^0 + 4^6 \\
4132 &:= 4^6 + 1^0 + 3^1 + 2^5 \\
4133 &:= 4^6 + 1^0 + 3^2 + 3^3 \\
4136 &:= 4^6 + 1^0 + 3^1 + 6^2 \\
4147 &:= 4^6 + 1^0 + 4^0 + 7^2 \\
4150 &:= 4^5 + 1^0 + 5^5 + 0^1 \\
4151 &:= 4^5 + 1^0 + 5^5 + 1^0 \\
4152 &:= 4^5 + 1^0 + 5^5 + 2^1 \\
4153 &:= 4^5 + 1^0 + 5^5 + 3^1 \\
4154 &:= 4^1 + 1^0 + 5^5 + 4^5 \\
4155 &:= 4^5 + 1^0 + 5^1 + 5^5 \\
4156 &:= 4^5 + 1^0 + 5^5 + 6^1 \\
4157 &:= 4^5 + 1^0 + 5^5 + 7^1 \\
4158 &:= 4^5 + 1^0 + 5^5 + 8^1 \\
4159 &:= 4^5 + 1^0 + 5^5 + 9^1 \\
4162 &:= 4^6 + 1^0 + 6^0 + 2^6 \\
4173 &:= 4^6 + 1^0 + 7^2 + 3^3 \\
4179 &:= 4^6 + 1^0 + 7^0 + 9^2
\end{aligned}$$

$$\begin{aligned}
4194 &:= 4^2 + 1^0 + 9^2 + 4^6 \\
4209 &:= 4^6 + 2^5 + 0^1 + 9^2 \\
4224 &:= 4^3 + 2^5 + 2^5 + 4^6 \\
4225 &:= 4^6 + 2^1 + 2^1 + 5^3 \\
4226 &:= 4^6 + 2^0 + 2^7 + 6^0 \\
4227 &:= 4^6 + 2^1 + 2^7 + 7^0 \\
4228 &:= 4^1 + 2^6 + 2^6 + 8^4 \\
4229 &:= 4^6 + 2^2 + 2^7 + 9^0 \\
4234 &:= 4^6 + 2^7 + 3^2 + 4^0 \\
4240 &:= 4^2 + 2^7 + 4^6 + 0^1 \\
4241 &:= 4^2 + 2^7 + 4^6 + 1^0 \\
4242 &:= 4^2 + 2^1 + 4^6 + 2^7 \\
4243 &:= 4^2 + 2^7 + 4^6 + 3^1 \\
4244 &:= 4^1 + 2^7 + 4^2 + 4^6 \\
4245 &:= 4^2 + 2^3 + 4^6 + 5^3 \\
4246 &:= 4^2 + 2^7 + 4^6 + 6^1 \\
4247 &:= 4^2 + 2^7 + 4^6 + 7^1 \\
4248 &:= 4^2 + 2^7 + 4^6 + 8^1 \\
4249 &:= 4^2 + 2^7 + 4^6 + 9^1 \\
4250 &:= 4^6 + 2^7 + 5^2 + 0^0 \\
4254 &:= 4^6 + 2^5 + 5^3 + 4^0 \\
4260 &:= 4^6 + 2^7 + 6^2 + 0^1 \\
4261 &:= 4^6 + 2^7 + 6^2 + 1^0 \\
4262 &:= 4^6 + 2^1 + 6^2 + 2^7 \\
4263 &:= 4^6 + 2^7 + 6^2 + 3^1 \\
4264 &:= 4^1 + 2^7 + 6^2 + 4^6 \\
4265 &:= 4^6 + 2^3 + 6^2 + 5^3 \\
4266 &:= 4^6 + 2^7 + 6^1 + 6^2 \\
4267 &:= 4^6 + 2^7 + 6^2 + 7^1 \\
4268 &:= 4^6 + 2^7 + 6^2 + 8^1 \\
4269 &:= 4^6 + 2^7 + 6^2 + 9^1 \\
4274 &:= 4^6 + 2^7 + 7^2 + 4^0 \\
4285 &:= 4^5 + 2^7 + 8^1 + 5^5 \\
4288 &:= 4^3 + 2^6 + 8^2 + 8^4 \\
4289 &:= 4^3 + 2^7 + 8^4 + 9^0 \\
4316 &:= 4^6 + 3^1 + 1^0 + 6^3 \\
4332 &:= 4^6 + 3^3 + 3^4 + 2^7 \\
4339 &:= 4^6 + 3^4 + 3^4 + 9^2
\end{aligned}$$

$$\begin{aligned}
4340 &:= 4^6 + 3^5 + 4^0 + 0^1 \\
4341 &:= 4^6 + 3^5 + 4^0 + 1^0 \\
4342 &:= 4^6 + 3^5 + 4^0 + 2^1 \\
4343 &:= 4^6 + 3^1 + 4^0 + 3^5 \\
4344 &:= 4^1 + 3^5 + 4^0 + 4^6 \\
4345 &:= 4^6 + 3^5 + 4^0 + 5^1 \\
4346 &:= 4^6 + 3^5 + 4^0 + 6^1 \\
4347 &:= 4^6 + 3^5 + 4^0 + 7^1 \\
4348 &:= 4^6 + 3^5 + 4^0 + 8^1 \\
4349 &:= 4^6 + 3^5 + 4^0 + 9^1 \\
4352 &:= 4^6 + 3^1 + 5^3 + 2^7 \\
4353 &:= 4^4 + 3^5 + 5^5 + 3^6 \\
4354 &:= 4^4 + 3^0 + 5^0 + 4^6 \\
4355 &:= 4^5 + 3^4 + 5^3 + 5^5 \\
4358 &:= 4^4 + 3^0 + 5^1 + 8^4 \\
4362 &:= 4^6 + 3^2 + 6^0 + 2^8 \\
4365 &:= 4^6 + 3^5 + 6^0 + 5^2 \\
4372 &:= 4^6 + 3^5 + 7^0 + 2^5 \\
4373 &:= 4^6 + 3^3 + 7^1 + 3^5 \\
4376 &:= 4^6 + 3^5 + 7^0 + 6^2 \\
4380 &:= 4^4 + 3^3 + 8^4 + 0^0 \\
4396 &:= 4^6 + 3^1 + 9^2 + 6^3 \\
4397 &:= 4^5 + 3^5 + 9^3 + 7^4 \\
4403 &:= 4^3 + 4^6 + 0^1 + 3^5 \\
4405 &:= 4^4 + 4^5 + 0^1 + 5^5 \\
4424 &:= 4^3 + 4^4 + 2^3 + 4^6 \\
4434 &:= 4^4 + 4^0 + 3^4 + 4^6 \\
4443 &:= 4^3 + 4^4 + 4^6 + 3^3 \\
4447 &:= 4^1 + 4^1 + 4^6 + 7^3 \\
4449 &:= 4^2 + 4^4 + 4^6 + 9^2 \\
4469 &:= 4^4 + 4^6 + 6^2 + 9^2 \\
4472 &:= 4^6 + 4^0 + 7^3 + 2^5 \\
4476 &:= 4^6 + 4^0 + 7^3 + 6^2 \\
4485 &:= 4^4 + 4^6 + 8^1 + 5^3 \\
4572 &:= 4^6 + 5^1 + 7^3 + 2^7 \\
4573 &:= 4^5 + 5^5 + 7^3 + 3^4 \\
4574 &:= 4^5 + 5^3 + 7^4 + 4^5 \\
4599 &:= 4^2 + 5^5 + 9^3 + 9^3
\end{aligned}$$

$$\begin{aligned}
4622 &:= 4^6 + 6^1 + 2^3 + 2^9 \\
4623 &:= 4^6 + 6^1 + 2^9 + 3^2 \\
4644 &:= 4^4 + 6^2 + 4^4 + 4^6 \\
4648 &:= 4^1 + 6^2 + 4^6 + 8^3 \\
4649 &:= 4^4 + 6^3 + 4^6 + 9^2 \\
4685 &:= 4^4 + 6^4 + 8^1 + 5^5 \\
4732 &:= 4^2 + 7^4 + 3^7 + 2^7 \\
4733 &:= 4^2 + 7^3 + 3^7 + 3^7 \\
4735 &:= 4^5 + 7^3 + 3^5 + 5^5 \\
4736 &:= 4^6 + 7^3 + 3^4 + 6^3 \\
4738 &:= 4^6 + 7^2 + 3^4 + 8^3 \\
4826 &:= 4^6 + 8^3 + 2^1 + 6^3 \\
4830 &:= 4^1 + 8^4 + 3^6 + 0^0 \\
4834 &:= 4^6 + 8^1 + 3^6 + 4^0 \\
4849 &:= 4^2 + 8^1 + 4^6 + 9^3 \\
4869 &:= 4^6 + 8^1 + 6^2 + 9^3 \\
4890 &:= 4^3 + 8^4 + 9^3 + 0^0 \\
4932 &:= 4^6 + 9^2 + 3^5 + 2^9 \\
4933 &:= 4^6 + 9^2 + 3^3 + 3^6 \\
4950 &:= 4^6 + 9^3 + 5^3 + 0^1 \\
4951 &:= 4^6 + 9^3 + 5^3 + 1^0 \\
4952 &:= 4^6 + 9^3 + 5^3 + 2^1 \\
4953 &:= 4^6 + 9^3 + 5^3 + 3^1 \\
4954 &:= 4^1 + 9^3 + 5^3 + 4^6 \\
4955 &:= 4^6 + 9^3 + 5^1 + 5^3 \\
4956 &:= 4^6 + 9^3 + 5^3 + 6^1 \\
4957 &:= 4^6 + 9^3 + 5^3 + 7^1 \\
4958 &:= 4^6 + 9^3 + 5^3 + 8^1 \\
4959 &:= 4^5 + 9^2 + 5^5 + 9^3 \\
5234 &:= 5^4 + 2^9 + 3^0 + 4^6 \\
5258 &:= 5^2 + 2^9 + 5^4 + 8^4 \\
5276 &:= 5^5 + 2^9 + 7^3 + 6^4 \\
5314 &:= 5^5 + 3^7 + 1^0 + 4^0 \\
5320 &:= 5^5 + 3^7 + 2^3 + 0^1 \\
5321 &:= 5^5 + 3^7 + 2^3 + 1^0 \\
5322 &:= 5^5 + 3^7 + 2^1 + 2^3 \\
5323 &:= 5^5 + 3^1 + 2^3 + 3^7 \\
5324 &:= 5^5 + 3^7 + 2^3 + 4^1
\end{aligned}$$

$$\begin{aligned}
5325 &:= 5^1 + 3^7 + 2^3 + 5^5 \\
5326 &:= 5^5 + 3^7 + 2^3 + 6^1 \\
5327 &:= 5^5 + 3^7 + 2^3 + 7^1 \\
5328 &:= 5^5 + 3^7 + 2^3 + 8^1 \\
5329 &:= 5^5 + 3^7 + 2^3 + 9^1 \\
5342 &:= 5^1 + 3^6 + 4^6 + 2^9 \\
5343 &:= 5^5 + 3^3 + 4^1 + 3^7 \\
5344 &:= 5^5 + 3^7 + 4^2 + 4^2 \\
5364 &:= 5^5 + 3^7 + 6^2 + 4^2 \\
5366 &:= 5^5 + 3^6 + 6^3 + 6^4 \\
5367 &:= 5^5 + 3^7 + 6^1 + 7^2 \\
5384 &:= 5^5 + 3^7 + 8^1 + 4^3 \\
5394 &:= 5^5 + 3^7 + 9^2 + 4^0 \\
5446 &:= 5^5 + 4^0 + 4^5 + 6^4 \\
5453 &:= 5^3 + 4^2 + 5^5 + 3^7 \\
5547 &:= 5^1 + 5^5 + 4^2 + 7^4 \\
5567 &:= 5^1 + 5^5 + 6^2 + 7^4 \\
5653 &:= 5^3 + 6^3 + 5^5 + 3^7 \\
5657 &:= 5^3 + 6^1 + 5^5 + 7^4 \\
5746 &:= 5^5 + 7^4 + 4^1 + 6^3 \\
5766 &:= 5^5 + 7^2 + 6^4 + 6^4 \\
5832 &:= 5^5 + 8^1 + 3^7 + 2^9 \\
5833 &:= 5^5 + 8^3 + 3^2 + 3^7 \\
5858 &:= 5^4 + 8^3 + 5^4 + 8^4 \\
5873 &:= 5^5 + 8^3 + 7^2 + 3^7 \\
5877 &:= 5^5 + 8^1 + 7^3 + 7^4 \\
6247 &:= 6^4 + 2^9 + 4^6 + 7^3 \\
6249 &:= 6^4 + 2^7 + 4^6 + 9^3 \\
6424 &:= 6^4 + 4^5 + 2^3 + 4^6 \\
6443 &:= 6^4 + 4^5 + 4^6 + 3^3 \\
6569 &:= 6^1 + 5^0 + 6^0 + 9^4 \\
6573 &:= 6^1 + 5^1 + 7^0 + 3^8 \\
6579 &:= 6^1 + 5^1 + 7^1 + 9^4 \\
6593 &:= 6^1 + 5^2 + 9^0 + 3^8 \\
6599 &:= 6^2 + 5^0 + 9^0 + 9^4 \\
6603 &:= 6^1 + 6^2 + 0^1 + 3^8 \\
6632 &:= 6^1 + 6^0 + 3^8 + 2^6 \\
6634 &:= 6^2 + 6^2 + 3^8 + 4^0
\end{aligned}$$

$$\begin{aligned}
6649 &:= 6^2 + 6^2 + 4^2 + 9^4 \\
6669 &:= 6^2 + 6^2 + 6^2 + 9^4 \\
6689 &:= 6^4 + 6^4 + 8^4 + 9^0 \\
6714 &:= 6^3 + 7^4 + 1^0 + 4^6 \\
6732 &:= 6^2 + 7^1 + 3^8 + 2^7 \\
6779 &:= 6^3 + 7^0 + 7^0 + 9^4 \\
6792 &:= 6^3 + 7^1 + 9^4 + 2^3 \\
6793 &:= 6^3 + 7^1 + 9^1 + 3^8 \\
6794 &:= 6^3 + 7^0 + 9^4 + 4^2 \\
6849 &:= 6^3 + 8^1 + 4^3 + 9^4 \\
6932 &:= 6^3 + 9^4 + 3^3 + 2^7 \\
6934 &:= 6^2 + 9^2 + 3^8 + 4^4 \\
6935 &:= 6^1 + 9^4 + 3^5 + 5^3 \\
6937 &:= 6^1 + 9^4 + 3^3 + 7^3 \\
6939 &:= 6^3 + 9^2 + 3^4 + 9^4 \\
6972 &:= 6^2 + 9^4 + 7^3 + 2^5 \\
6974 &:= 6^1 + 9^4 + 7^3 + 4^3 \\
6976 &:= 6^2 + 9^4 + 7^3 + 6^2 \\
7032 &:= 7^3 + 0^1 + 3^8 + 2^7 \\
7123 &:= 7^2 + 1^0 + 2^9 + 3^8 \\
7234 &:= 7^4 + 2^3 + 3^6 + 4^6 \\
7279 &:= 7^3 + 2^5 + 7^3 + 9^4 \\
7296 &:= 7^1 + 2^9 + 9^4 + 6^3 \\
7299 &:= 7^1 + 2^1 + 9^3 + 9^4 \\
7323 &:= 7^1 + 3^5 + 2^9 + 3^8 \\
7329 &:= 7^1 + 3^6 + 2^5 + 9^4 \\
7343 &:= 7^2 + 3^6 + 4^1 + 3^8 \\
7363 &:= 7^3 + 3^5 + 6^3 + 3^8 \\
7432 &:= 7^3 + 4^2 + 3^8 + 2^9 \\
7530 &:= 7^3 + 5^4 + 3^8 + 0^0 \\
7632 &:= 7^3 + 6^3 + 3^8 + 2^9 \\
7639 &:= 7^3 + 6^1 + 3^6 + 9^4 \\
7836 &:= 7^2 + 8^1 + 3^1 + 6^5 \\
7906 &:= 7^2 + 9^2 + 0^1 + 6^5 \\
7928 &:= 7^3 + 9^4 + 2^9 + 8^3 \\
7944 &:= 7^3 + 9^4 + 4^2 + 4^5 \\
7962 &:= 7^2 + 9^1 + 6^5 + 2^7 \\
7964 &:= 7^3 + 9^4 + 6^2 + 4^5
\end{aligned}$$

$$8194 := 8^4 + 1^0 + 9^0 + 4^6$$

$$8208 := 8^4 + 2^4 + 0^1 + 8^4$$

$$8224 := 8^4 + 2^4 + 2^4 + 4^6$$

$$8228 := 8^4 + 2^2 + 2^5 + 8^4$$

$$8245 := 8^3 + 2^9 + 4^6 + 5^5$$

$$8283 := 8^4 + 2^6 + 8^4 + 3^3$$

$$8288 := 8^2 + 2^5 + 8^4 + 8^4$$

$$8289 := 8^4 + 2^4 + 8^4 + 9^2$$

$$8316 := 8^3 + 3^3 + 1^0 + 6^5$$

$$8376 := 8^3 + 3^4 + 7^1 + 6^5$$

$$8396 := 8^3 + 3^3 + 9^2 + 6^5$$

$$8436 := 8^4 + 4^6 + 3^5 + 6^0$$

$$8443 := 8^1 + 4^6 + 4^6 + 3^5$$

$$8449 := 8^4 + 4^4 + 4^6 + 9^0$$

$$8536 := 8^3 + 5^1 + 3^5 + 6^5$$

$$8647 := 8^3 + 6^5 + 4^2 + 7^3$$

$$8667 := 8^3 + 6^2 + 6^5 + 7^3$$

$$8756 := 8^3 + 7^3 + 5^3 + 6^5$$

$$8825 := 8^4 + 8^4 + 2^3 + 5^4$$

$$8864 := 8^3 + 8^3 + 6^5 + 4^3$$

$$8970 := 8^1 + 9^4 + 7^4 + 0^1$$

$$8971 := 8^1 + 9^4 + 7^4 + 1^0$$

$$8972 := 8^1 + 9^4 + 7^4 + 2^1$$

$$8973 := 8^1 + 9^4 + 7^4 + 3^1$$

$$8974 := 8^1 + 9^4 + 7^4 + 4^1$$

$$8975 := 8^1 + 9^4 + 7^4 + 5^1$$

$$8976 := 8^1 + 9^4 + 7^4 + 6^1$$

$$8977 := 8^1 + 9^4 + 7^1 + 7^4$$

$$8978 := 8^1 + 9^4 + 7^4 + 8^1$$

$$8979 := 8^1 + 9^1 + 7^4 + 9^4$$

$$9027 := 9^4 + 0^0 + 2^6 + 7^4$$

$$9236 := 9^3 + 2^1 + 3^6 + 6^5$$

$$9237 := 9^4 + 2^5 + 3^5 + 7^4$$

$$9324 := 9^4 + 3^7 + 2^9 + 4^3$$

$$9347 := 9^4 + 3^7 + 4^4 + 7^3$$

$$9362 := 9^3 + 3^6 + 6^5 + 2^7$$

$$9385 := 9^4 + 3^7 + 8^3 + 5^3$$

$$9474 := 9^4 + 4^4 + 7^4 + 4^4$$

$$9478 := 9^4 + 4^1 + 7^4 + 8^3$$

$$9493 := 9^3 + 4^2 + 9^4 + 3^7$$

$$9654 := 9^3 + 6^5 + 5^3 + 4^5$$

$$9693 := 9^3 + 6^3 + 9^4 + 3^7$$

$$9697 := 9^3 + 6^1 + 9^4 + 7^4$$

$$9723 := 9^3 + 7^4 + 2^5 + 3^8$$

$$9725 := 9^4 + 7^1 + 2^5 + 5^5$$

$$9947 := 9^3 + 9^4 + 4^4 + 7^4$$

$$9963 := 9^3 + 9^3 + 6^5 + 3^6$$

$$10693 := 1^1 + 0^1 + 6^5 + 9^3 + 3^7$$

$$10694 := 1^1 + 0^1 + 6^2 + 9^4 + 4^6$$

$$12367 := 1^1 + 2^1 + 3^7 + 6^5 + 7^4$$

$$12386 := 1^1 + 2^9 + 3^0 + 8^4 + 6^5$$

$$12634 := 1^1 + 2^5 + 6^5 + 3^6 + 4^6$$

$$13132 := 1^1 + 3^8 + 1^0 + 3^8 + 2^3$$

$$13133 := 1^1 + 3^2 + 1^0 + 3^8 + 3^8$$

$$13173 := 1^1 + 3^8 + 1^0 + 7^2 + 3^8$$

$$13332 := 1^1 + 3^4 + 3^8 + 3^8 + 2^7$$

$$13337 := 1^1 + 3^7 + 3^7 + 3^8 + 7^4$$

$$13373 := 1^1 + 3^5 + 3^8 + 7^1 + 3^8$$

$$13393 := 1^1 + 3^3 + 3^5 + 9^4 + 3^8$$

$$13443 := 1^1 + 3^8 + 4^3 + 4^4 + 3^8$$

$$13933 := 1^1 + 3^4 + 9^3 + 3^8 + 3^8$$

$$13978 := 1^1 + 3^8 + 9^4 + 7^3 + 8^3$$

$$14276 := 1^1 + 4^6 + 2^1 + 7^4 + 6^5$$

$$14295 := 1^1 + 4^6 + 2^9 + 9^4 + 5^5$$

$$14346 := 1^1 + 4^1 + 3^8 + 4^1 + 6^5$$

$$14362 := 1^1 + 4^2 + 3^8 + 6^5 + 2^3$$

$$14363 := 1^1 + 4^2 + 3^2 + 6^5 + 3^8$$

$$14369 := 1^1 + 4^1 + 3^3 + 6^5 + 9^4$$

$$14697 := 1^1 + 4^2 + 6^5 + 9^4 + 7^3$$

$$14786 := 1^1 + 4^6 + 7^4 + 8^3 + 6^5$$

$$15629 := 1^1 + 5^6 + 6^0 + 2^0 + 9^0$$

$$15630 := 1^1 + 5^6 + 6^0 + 3^1 + 0^1$$

$$15631 := 1^1 + 5^6 + 6^0 + 3^1 + 1^0$$

$$15632 := 1^1 + 5^6 + 6^0 + 3^0 + 2^2$$

$$15633 := 1^1 + 5^6 + 6^0 + 3^1 + 3^1$$

$$15634 := 1^1 + 5^6 + 6^0 + 3^1 + 4^1$$

$$15635 := 1^1 + 5^1 + 6^0 + 3^1 + 5^6$$

$$15636 := 1^1 + 5^6 + 6^0 + 3^1 + 6^1$$

$$15637 := 1^1 + 5^6 + 6^0 + 3^1 + 7^1$$

$$15638 := 1^1 + 5^6 + 6^0 + 3^1 + 8^1$$

$$15639 := 1^1 + 5^6 + 6^0 + 3^1 + 9^1$$

$$15644 := 1^1 + 5^6 + 6^0 + 4^0 + 4^2$$

$$15649 := 1^1 + 5^6 + 6^1 + 4^2 + 9^0$$

$$15653 := 1^1 + 5^2 + 6^0 + 5^6 + 3^0$$

$$15658 := 1^1 + 5^2 + 6^1 + 5^6 + 8^0$$

$$15664 := 1^1 + 5^6 + 6^0 + 6^2 + 4^0$$

$$15669 := 1^1 + 5^6 + 6^1 + 6^2 + 9^0$$

$$15670 := 1^1 + 5^6 + 6^2 + 7^1 + 0^0$$

$$15677 := 1^1 + 5^6 + 6^0 + 7^0 + 7^2$$

$$15686 := 1^1 + 5^3 + 6^5 + 8^1 + 6^5$$

$$15692 := 1^1 + 5^6 + 6^0 + 9^0 + 2^6$$

$$15703 := 1^1 + 5^6 + 7^2 + 0^0 + 3^3$$

$$15709 := 1^1 + 5^6 + 7^0 + 0^0 + 9^2$$

$$15740 := 1^1 + 5^6 + 7^2 + 4^3 + 0^0$$

$$15753 := 1^1 + 5^3 + 7^0 + 5^6 + 3^0$$

$$15759 := 1^1 + 5^3 + 7^1 + 5^6 + 9^0$$

$$15762 := 1^1 + 5^6 + 7^1 + 6^0 + 2^7$$

$$15822 := 1^1 + 5^6 + 8^2 + 2^2 + 2^7$$

$$15882 := 1^1 + 5^6 + 8^2 + 8^2 + 2^7$$

$$15884 := 1^1 + 5^6 + 8^0 + 8^0 + 4^4$$

$$15892 := 1^1 + 5^6 + 8^0 + 9^1 + 2^8$$

$$15934 := 1^1 + 5^6 + 9^0 + 3^5 + 4^3$$

$$15964 := 1^1 + 5^6 + 9^2 + 6^0 + 4^4$$

$$15970 := 1^1 + 5^6 + 9^0 + 7^3 + 0^1$$

$$15971 := 1^1 + 5^6 + 9^0 + 7^3 + 1^0$$

$$15972 := 1^1 + 5^6 + 9^0 + 7^3 + 2^1$$

$$15973 := 1^1 + 5^6 + 9^0 + 7^3 + 3^1$$

$15974 := 1^1 + 5^6 + 9^0 + 7^3 + 4^1$	$16494 := 1^1 + 6^2 + 4^3 + 9^1 + 4^7$	$17348 := 1^1 + 7^5 + 3^3 + 4^0 + 8^3$
$15975 := 1^1 + 5^1 + 9^0 + 7^3 + 5^6$	$16524 := 1^1 + 6^1 + 5^1 + 2^7 + 4^7$	$17352 := 1^1 + 7^5 + 3^3 + 5^1 + 2^9$
$15976 := 1^1 + 5^6 + 9^0 + 7^3 + 6^1$	$16543 := 1^1 + 6^1 + 5^3 + 4^7 + 3^3$	$17354 := 1^1 + 7^3 + 3^0 + 5^4 + 4^7$
$15977 := 1^1 + 5^6 + 9^0 + 7^1 + 7^3$	$16547 := 1^1 + 6^2 + 5^3 + 4^7 + 7^0$	$17357 := 1^1 + 7^3 + 3^4 + 5^3 + 7^5$
$15978 := 1^1 + 5^6 + 9^0 + 7^3 + 8^1$	$16634 := 1^1 + 6^1 + 6^3 + 3^3 + 4^7$	$17372 := 1^1 + 7^2 + 3^1 + 7^5 + 2^9$
$15979 := 1^1 + 5^6 + 9^0 + 7^3 + 9^1$	$16742 := 1^1 + 6^1 + 7^3 + 4^7 + 2^3$	$17376 := 1^1 + 7^3 + 3^2 + 7^5 + 6^3$
$16346 := 1^1 + 6^5 + 3^6 + 4^3 + 6^5$	$16743 := 1^1 + 6^1 + 7^3 + 4^7 + 3^2$	$17378 := 1^1 + 7^2 + 3^2 + 7^5 + 8^3$
$16357 := 1^1 + 6^0 + 3^6 + 5^6 + 7^0$	$16754 := 1^1 + 6^0 + 7^3 + 5^2 + 4^7$	$17407 := 1^1 + 7^3 + 4^4 + 0^1 + 7^5$
$16359 := 1^1 + 6^0 + 3^1 + 5^6 + 9^3$	$16837 := 1^1 + 6^0 + 8^0 + 3^3 + 7^5$	$17424 := 1^1 + 7^1 + 4^5 + 2^3 + 4^7$
$16363 := 1^1 + 6^4 + 3^6 + 6^5 + 3^8$	$16857 := 1^1 + 6^2 + 8^1 + 5^1 + 7^5$	$17435 := 1^1 + 7^5 + 4^0 + 3^0 + 5^4$
$16402 := 1^1 + 6^0 + 4^7 + 0^1 + 2^4$	$16874 := 1^1 + 6^0 + 8^0 + 7^5 + 4^3$	$17442 := 1^1 + 7^0 + 4^5 + 4^7 + 2^5$
$16422 := 1^1 + 6^0 + 4^7 + 2^2 + 2^5$	$16879 := 1^1 + 6^1 + 8^2 + 7^5 + 9^0$	$17443 := 1^1 + 7^1 + 4^5 + 4^7 + 3^3$
$16423 := 1^1 + 6^2 + 4^7 + 2^0 + 3^0$	$16925 := 1^1 + 6^4 + 9^0 + 2^1 + 5^6$	$17445 := 1^1 + 7^5 + 4^4 + 4^4 + 5^3$
$16424 := 1^1 + 6^1 + 4^0 + 2^5 + 4^7$	$16927 := 1^1 + 6^1 + 9^2 + 2^5 + 7^5$	$17446 := 1^1 + 7^0 + 4^5 + 4^7 + 6^2$
$16426 := 1^1 + 6^0 + 4^7 + 2^2 + 6^2$	$16942 := 1^1 + 6^2 + 9^1 + 4^7 + 2^9$	$17448 := 1^1 + 7^5 + 4^3 + 4^3 + 8^3$
$16430 := 1^1 + 6^2 + 4^7 + 3^2 + 0^1$	$16984 := 1^1 + 6^1 + 9^2 + 8^3 + 4^7$	$17450 := 1^1 + 7^5 + 4^2 + 5^4 + 0^0$
$16431 := 1^1 + 6^2 + 4^7 + 3^2 + 1^0$	$17026 := 1^1 + 7^5 + 0^0 + 2^0 + 6^3$	$17463 := 1^1 + 7^3 + 4^7 + 6^1 + 3^6$
$16432 := 1^1 + 6^1 + 4^7 + 3^2 + 2^5$	$17053 := 1^1 + 7^5 + 0^0 + 5^0 + 3^5$	$17464 := 1^1 + 7^2 + 4^5 + 6^1 + 4^7$
$16433 := 1^1 + 6^2 + 4^7 + 3^1 + 3^2$	$17072 := 1^1 + 7^1 + 0^0 + 7^5 + 2^8$	$17483 := 1^1 + 7^3 + 4^7 + 8^3 + 3^5$
$16434 := 1^1 + 6^1 + 4^2 + 3^3 + 4^7$	$17133 := 1^1 + 7^5 + 1^0 + 3^4 + 3^5$	$17539 := 1^1 + 7^5 + 5^0 + 3^0 + 9^3$
$16435 := 1^1 + 6^2 + 4^7 + 3^2 + 5^1$	$17157 := 1^1 + 7^3 + 1^0 + 5^1 + 7^5$	$17543 := 1^1 + 7^5 + 5^1 + 4^0 + 3^6$
$16436 := 1^1 + 6^1 + 4^7 + 3^2 + 6^2$	$17224 := 1^1 + 7^5 + 2^5 + 2^7 + 4^4$	$17559 := 1^1 + 7^5 + 5^3 + 5^4 + 9^0$
$16437 := 1^1 + 6^2 + 4^7 + 3^2 + 7^1$	$17240 := 1^1 + 7^3 + 2^9 + 4^7 + 0^1$	$17562 := 1^1 + 7^5 + 5^4 + 6^0 + 2^7$
$16438 := 1^1 + 6^2 + 4^7 + 3^2 + 8^1$	$17241 := 1^1 + 7^3 + 2^9 + 4^7 + 1^0$	$17563 := 1^1 + 7^5 + 5^2 + 6^0 + 3^6$
$16439 := 1^1 + 6^2 + 4^7 + 3^2 + 9^1$	$17242 := 1^1 + 7^3 + 2^1 + 4^7 + 2^9$	$17650 := 1^1 + 7^5 + 6^3 + 5^4 + 0^0$
$16453 := 1^1 + 6^2 + 4^7 + 5^1 + 3^3$	$17243 := 1^1 + 7^0 + 2^7 + 4^7 + 3^6$	$17737 := 1^1 + 7^3 + 7^3 + 3^5 + 7^5$
$16470 := 1^1 + 6^2 + 4^7 + 7^2 + 0^1$	$17244 := 1^1 + 7^3 + 2^9 + 4^1 + 4^7$	$17794 := 1^1 + 7^0 + 7^5 + 9^3 + 4^4$
$16471 := 1^1 + 6^2 + 4^7 + 7^2 + 1^0$	$17245 := 1^1 + 7^3 + 2^9 + 4^7 + 5^1$	$17834 := 1^1 + 7^5 + 8^0 + 3^0 + 4^5$
$16472 := 1^1 + 6^1 + 4^7 + 7^2 + 2^5$	$17246 := 1^1 + 7^3 + 2^9 + 4^7 + 6^1$	$17840 := 1^1 + 7^5 + 8^1 + 4^5 + 0^1$
$16473 := 1^1 + 6^1 + 4^7 + 7^0 + 3^4$	$17247 := 1^1 + 7^1 + 2^9 + 4^7 + 7^3$	$17841 := 1^1 + 7^5 + 8^1 + 4^5 + 1^0$
$16474 := 1^1 + 6^2 + 4^1 + 7^2 + 4^7$	$17248 := 1^1 + 7^3 + 2^3 + 4^7 + 8^3$	$17842 := 1^1 + 7^5 + 8^1 + 4^5 + 2^1$
$16475 := 1^1 + 6^2 + 4^7 + 7^2 + 5^1$	$17249 := 1^1 + 7^1 + 2^7 + 4^7 + 9^3$	$17843 := 1^1 + 7^5 + 8^1 + 4^5 + 3^1$
$16476 := 1^1 + 6^1 + 4^7 + 7^2 + 6^2$	$17287 := 1^1 + 7^3 + 2^7 + 8^1 + 7^5$	$17844 := 1^1 + 7^5 + 8^1 + 4^1 + 4^5$
$16477 := 1^1 + 6^2 + 4^7 + 7^1 + 7^2$	$17322 := 1^1 + 7^5 + 3^0 + 2^0 + 2^9$	$17845 := 1^1 + 7^5 + 8^1 + 4^5 + 5^1$
$16478 := 1^1 + 6^2 + 4^7 + 7^2 + 8^1$	$17324 := 1^1 + 7^5 + 3^1 + 2^9 + 4^0$	$17846 := 1^1 + 7^5 + 8^1 + 4^5 + 6^1$
$16479 := 1^1 + 6^1 + 4^7 + 7^1 + 9^2$	$17332 := 1^1 + 7^5 + 3^1 + 3^2 + 2^9$	$17847 := 1^1 + 7^1 + 8^1 + 4^5 + 7^5$
$16482 := 1^1 + 6^0 + 4^7 + 8^2 + 2^5$	$17334 := 1^1 + 7^5 + 3^3 + 3^5 + 4^4$	$17848 := 1^1 + 7^5 + 8^1 + 4^5 + 8^1$
$16486 := 1^1 + 6^0 + 4^7 + 8^2 + 6^2$	$17338 := 1^1 + 7^5 + 3^2 + 3^2 + 8^3$	$17849 := 1^1 + 7^5 + 8^1 + 4^5 + 9^1$

17868 := $1^1 + 7^5 + 8^3 + 6^2 + 8^3$	20459 := $2^3 + 0^0 + 4^6 + 5^6 + 9^3$	22259 := $2^3 + 2^0 + 2^6 + 5^6 + 9^4$
17914 := $1^1 + 7^5 + 9^2 + 1^0 + 4^5$	20483 := $2^1 + 0^1 + 4^7 + 8^4 + 3^0$	22315 := $2^6 + 2^6 + 3^8 + 1^0 + 5^6$
17994 := $1^1 + 7^5 + 9^2 + 9^2 + 4^5$	20484 := $2^1 + 0^0 + 4^0 + 8^4 + 4^7$	22335 := $2^2 + 2^6 + 3^4 + 3^8 + 5^6$
18347 := $1^1 + 8^3 + 3^1 + 4^5 + 7^5$	20485 := $2^2 + 0^1 + 4^7 + 8^4 + 5^0$	22337 := $2^1 + 2^3 + 3^5 + 3^9 + 7^4$
18436 := $1^1 + 8^3 + 4^7 + 3^5 + 6^4$	20486 := $2^2 + 0^0 + 4^7 + 8^4 + 6^0$	22355 := $2^4 + 2^7 + 3^8 + 5^2 + 5^6$
18472 := $1^1 + 8^3 + 4^5 + 7^5 + 2^7$	20489 := $2^3 + 0^1 + 4^7 + 8^4 + 9^0$	22357 := $2^4 + 2^8 + 3^9 + 5^0 + 7^4$
18617 := $1^1 + 8^3 + 6^4 + 1^0 + 7^5$	20493 := $2^4 + 0^0 + 4^3 + 9^3 + 3^9$	22372 := $2^4 + 2^4 + 3^9 + 7^4 + 2^8$
18697 := $1^1 + 8^3 + 6^4 + 9^2 + 7^5$	20494 := $2^2 + 0^0 + 4^6 + 9^1 + 4^7$	22373 := $2^5 + 2^7 + 3^7 + 7^3 + 3^9$
18946 := $1^1 + 8^3 + 9^4 + 4^6 + 6^5$	20495 := $2^8 + 0^0 + 4^7 + 9^3 + 5^5$	22374 := $2^1 + 2^5 + 3^9 + 7^4 + 4^4$
19732 := $1^1 + 9^1 + 7^1 + 3^9 + 2^5$	20498 := $2^3 + 0^0 + 4^7 + 9^1 + 8^4$	22375 := $2^7 + 2^7 + 3^7 + 7^5 + 5^5$
19733 := $1^1 + 9^1 + 7^5 + 3^6 + 3^7$	20536 := $2^9 + 0^1 + 5^3 + 3^9 + 6^3$	22376 := $2^7 + 2^7 + 3^9 + 7^4 + 6^2$
19735 := $1^1 + 9^0 + 7^2 + 3^9 + 5^0$	20539 := $2^1 + 0^1 + 5^3 + 3^9 + 9^3$	22383 := $2^8 + 2^8 + 3^7 + 8^0 + 3^9$
19736 := $1^1 + 9^1 + 7^1 + 3^9 + 6^2$	20572 := $2^7 + 0^1 + 5^5 + 7^5 + 2^9$	22393 := $2^1 + 2^9 + 3^7 + 9^1 + 3^9$
19743 := $1^1 + 9^1 + 7^2 + 4^0 + 3^9$	20633 := $2^2 + 0^0 + 6^3 + 3^6 + 3^9$	22395 := $2^6 + 2^6 + 3^4 + 9^4 + 5^6$
19773 := $1^1 + 9^2 + 7^0 + 7^1 + 3^9$	20644 := $2^7 + 0^1 + 6^2 + 4^6 + 4^7$	22447 := $2^3 + 2^9 + 4^5 + 4^6 + 7^5$
19830 := $1^1 + 9^2 + 8^2 + 3^9 + 0^0$	20653 := $2^7 + 0^0 + 6^3 + 5^4 + 3^9$	22459 := $2^4 + 2^0 + 4^4 + 5^6 + 9^4$
20203 := $2^3 + 0^1 + 2^9 + 0^1 + 3^9$	20693 := $2^6 + 0^0 + 6^3 + 9^3 + 3^9$	22533 := $2^6 + 2^8 + 5^6 + 3^3 + 3^8$
20213 := $2^4 + 0^0 + 2^9 + 1^0 + 3^9$	20744 := $2^8 + 0^0 + 7^1 + 4^6 + 4^7$	22537 := $2^2 + 2^2 + 5^6 + 3^8 + 7^3$
20232 := $2^2 + 0^0 + 2^5 + 3^9 + 2^9$	20843 := $2^7 + 0^1 + 8^1 + 4^5 + 3^9$	22538 := $2^5 + 2^8 + 5^6 + 3^8 + 8^2$
20236 := $2^2 + 0^0 + 2^9 + 3^9 + 6^2$	20853 := $2^5 + 0^0 + 8^3 + 5^4 + 3^9$	22539 := $2^4 + 2^8 + 5^6 + 3^4 + 9^4$
20243 := $2^5 + 0^1 + 2^9 + 4^2 + 3^9$	20932 := $2^3 + 0^1 + 9^3 + 3^9 + 2^9$	22595 := $2^7 + 2^8 + 5^2 + 9^4 + 5^6$
20253 := $2^5 + 0^0 + 2^9 + 5^2 + 3^9$	20933 := $2^9 + 0^1 + 9^1 + 3^6 + 3^9$	22597 := $2^2 + 2^6 + 5^6 + 9^4 + 7^3$
20263 := $2^5 + 0^1 + 2^9 + 6^2 + 3^9$	20963 := $2^6 + 0^0 + 9^4 + 6^5 + 3^8$	22643 := $2^7 + 2^9 + 6^4 + 4^5 + 3^9$
20293 := $2^4 + 0^0 + 2^9 + 9^2 + 3^9$	20973 := $2^9 + 0^1 + 9^3 + 7^2 + 3^9$	22659 := $2^8 + 2^0 + 6^3 + 5^6 + 9^4$
20324 := $2^6 + 0^0 + 3^9 + 2^9 + 4^3$	20987 := $2^1 + 0^0 + 9^2 + 8^4 + 7^5$	22732 := $2^3 + 2^7 + 7^4 + 3^9 + 2^9$
20325 := $2^2 + 0^0 + 3^9 + 2^9 + 5^3$	21236 := $2^7 + 1^0 + 2^7 + 3^9 + 6^4$	22733 := $2^3 + 2^9 + 7^3 + 3^7 + 3^9$
20328 := $2^2 + 0^0 + 3^9 + 2^7 + 8^3$	21345 := $2^9 + 1^0 + 3^9 + 4^5 + 5^3$	22753 := $2^5 + 2^9 + 7^4 + 5^3 + 3^9$
20332 := $2^7 + 0^1 + 3^2 + 3^9 + 2^9$	21348 := $2^7 + 1^0 + 3^9 + 4^5 + 8^3$	22773 := $2^7 + 2^9 + 7^2 + 7^4 + 3^9$
20345 := $2^5 + 0^0 + 3^9 + 4^1 + 5^4$	21364 := $2^7 + 1^0 + 3^9 + 6^4 + 4^4$	22855 := $2^3 + 2^0 + 8^4 + 5^5 + 5^6$
20347 := $2^6 + 0^0 + 3^9 + 4^4 + 7^3$	21417 := $2^9 + 1^0 + 4^6 + 1^0 + 7^5$	22935 := $2^2 + 2^4 + 9^3 + 3^8 + 5^6$
20352 := $2^5 + 0^1 + 3^9 + 5^3 + 2^9$	21436 := $2^9 + 1^0 + 4^5 + 3^9 + 6^3$	22949 := $2^1 + 2^0 + 9^0 + 4^7 + 9^4$
20356 := $2^9 + 0^1 + 3^9 + 5^3 + 6^2$	21439 := $2^1 + 1^0 + 4^5 + 3^9 + 9^3$	22953 := $2^3 + 2^7 + 9^1 + 5^5 + 3^9$
20372 := $2^7 + 0^1 + 3^9 + 7^2 + 2^9$	21497 := $2^9 + 1^0 + 4^6 + 9^2 + 7^5$	22954 := $2^1 + 2^1 + 9^4 + 5^1 + 4^7$
20377 := $2^3 + 0^1 + 3^9 + 7^3 + 7^3$	21785 := $2^8 + 1^0 + 7^5 + 8^4 + 5^4$	22955 := $2^4 + 2^7 + 9^4 + 5^4 + 5^6$
20385 := $2^6 + 0^0 + 3^9 + 8^3 + 5^3$	22195 := $2^2 + 2^2 + 1^0 + 9^4 + 5^6$	22958 := $2^2 + 2^8 + 9^4 + 5^6 + 8^3$
20388 := $2^7 + 0^0 + 3^9 + 8^2 + 8^3$	22235 := $2^4 + 2^0 + 2^5 + 3^8 + 5^6$	22964 := $2^1 + 2^4 + 9^4 + 6^0 + 4^7$
20433 := $2^2 + 0^0 + 4^2 + 3^6 + 3^9$	22243 := $2^9 + 2^9 + 2^9 + 4^5 + 3^9$	22973 := $2^5 + 2^7 + 9^3 + 7^4 + 3^9$
20453 := $2^1 + 0^0 + 4^6 + 5^6 + 3^6$	22253 := $2^1 + 2^0 + 2^6 + 5^6 + 3^8$	22994 := $2^3 + 2^5 + 9^1 + 9^4 + 4^7$

$22995 := 2^4 + 2^6 + 9^3 + 9^4 + 5^6$	$23459 := 2^9 + 3^0 + 4^7 + 5^0 + 9^4$	$23745 := 2^9 + 3^9 + 7^4 + 4^5 + 5^3$
$23034 := 2^3 + 3^4 + 0^1 + 3^8 + 4^7$	$23462 := 2^2 + 3^8 + 4^7 + 6^0 + 2^9$	$23747 := 2^5 + 3^8 + 7^3 + 4^1 + 7^5$
$23042 := 2^5 + 3^8 + 0^0 + 4^7 + 2^6$	$23464 := 2^9 + 3^8 + 4^0 + 6^1 + 4^7$	$23748 := 2^7 + 3^9 + 7^4 + 4^5 + 8^3$
$23043 := 2^4 + 3^4 + 0^0 + 4^7 + 3^8$	$23472 := 2^3 + 3^8 + 4^3 + 7^5 + 2^5$	$23749 := 2^9 + 3^5 + 7^2 + 4^7 + 9^4$
$23046 := 2^6 + 3^8 + 0^0 + 4^7 + 6^2$	$23473 := 2^3 + 3^4 + 4^2 + 7^5 + 3^8$	$23750 := 2^8 + 3^8 + 7^5 + 5^3 + 0^0$
$23053 := 2^1 + 3^5 + 0^1 + 5^5 + 3^9$	$23474 := 2^7 + 3^7 + 4^4 + 7^5 + 4^6$	$23764 := 2^7 + 3^9 + 7^4 + 6^4 + 4^4$
$23056 := 2^5 + 3^9 + 0^1 + 5^5 + 6^3$	$23476 := 2^3 + 3^8 + 4^3 + 7^5 + 6^2$	$23776 := 2^6 + 3^8 + 7^3 + 7^5 + 6^0$
$23065 := 2^8 + 3^9 + 0^1 + 6^0 + 5^5$	$23492 := 2^3 + 3^3 + 4^7 + 9^4 + 2^9$	$23783 := 2^1 + 3^0 + 7^0 + 8^4 + 3^9$
$23074 := 2^7 + 3^8 + 0^1 + 7^0 + 4^7$	$23493 := 2^9 + 3^2 + 4^7 + 9^4 + 3^3$	$23785 := 2^2 + 3^9 + 7^0 + 8^4 + 5^0$
$23164 := 2^1 + 3^8 + 1^0 + 6^3 + 4^7$	$23496 := 2^9 + 3^1 + 4^7 + 9^4 + 6^2$	$23789 := 2^1 + 3^9 + 7^1 + 8^4 + 9^0$
$23204 := 2^1 + 3^8 + 2^8 + 0^0 + 4^7$	$23497 := 2^5 + 3^4 + 4^2 + 9^4 + 7^5$	$23804 := 2^3 + 3^9 + 8^4 + 0^0 + 4^2$
$23234 := 2^5 + 3^0 + 2^8 + 3^8 + 4^7$	$23498 := 2^5 + 3^2 + 4^7 + 9^4 + 8^3$	$23812 := 2^4 + 3^9 + 8^4 + 1^0 + 2^4$
$23235 := 2^6 + 3^6 + 2^8 + 3^8 + 5^6$	$23527 := 2^1 + 3^8 + 5^3 + 2^5 + 7^5$	$23813 := 2^5 + 3^0 + 8^4 + 1^0 + 3^9$
$23237 := 2^9 + 3^7 + 2^9 + 3^9 + 7^3$	$23529 := 2^7 + 3^9 + 5^5 + 2^9 + 9^2$	$23820 := 2^3 + 3^9 + 8^4 + 2^5 + 0^0$
$23239 := 2^7 + 3^7 + 2^9 + 3^9 + 9^3$	$23543 := 2^1 + 3^6 + 5^5 + 4^1 + 3^9$	$23823 := 2^4 + 3^3 + 8^4 + 2^0 + 3^9$
$23324 := 2^3 + 3^5 + 3^8 + 2^7 + 4^7$	$23546 := 2^7 + 3^0 + 5^6 + 4^2 + 6^5$	$23828 := 2^4 + 3^9 + 8^0 + 2^5 + 8^4$
$23325 := 2^1 + 3^1 + 3^9 + 2^9 + 5^5$	$23548 := 2^8 + 3^7 + 5^4 + 4^7 + 8^4$	$23835 := 2^2 + 3^3 + 8^4 + 3^9 + 5^2$
$23326 := 2^5 + 3^7 + 3^9 + 2^7 + 6^4$	$23549 := 2^3 + 3^9 + 5^5 + 4^1 + 9^3$	$23837 := 2^3 + 3^0 + 8^4 + 3^9 + 7^2$
$23327 := 2^1 + 3^6 + 3^9 + 2^9 + 7^4$	$23562 := 2^4 + 3^4 + 5^6 + 6^5 + 2^6$	$23839 := 2^5 + 3^3 + 8^4 + 3^9 + 9^0$
$23343 := 2^7 + 3^3 + 3^5 + 4^7 + 3^8$	$23563 := 2^9 + 3^3 + 5^5 + 6^3 + 3^9$	$23845 := 2^6 + 3^9 + 8^0 + 4^6 + 5^0$
$23345 := 2^5 + 3^5 + 3^8 + 4^7 + 5^3$	$23566 := 2^7 + 3^0 + 5^6 + 6^2 + 6^5$	$23846 := 2^1 + 3^9 + 8^2 + 4^6 + 6^0$
$23347 := 2^5 + 3^3 + 3^8 + 4^7 + 7^3$	$23568 := 2^5 + 3^9 + 5^5 + 6^3 + 8^3$	$23848 := 2^2 + 3^9 + 8^0 + 4^3 + 8^4$
$23365 := 2^9 + 3^2 + 3^9 + 6^2 + 5^5$	$23584 := 2^1 + 3^8 + 5^3 + 8^3 + 4^7$	$23852 := 2^2 + 3^9 + 8^4 + 5^1 + 2^6$
$23372 := 2^1 + 3^0 + 3^8 + 7^5 + 2^0$	$23617 := 2^5 + 3^8 + 6^3 + 1^0 + 7^5$	$23853 := 2^6 + 3^2 + 8^4 + 5^0 + 3^9$
$23374 := 2^1 + 3^1 + 3^8 + 7^5 + 4^0$	$23627 := 2^1 + 3^8 + 6^0 + 2^8 + 7^5$	$23856 := 2^4 + 3^9 + 8^4 + 5^2 + 6^2$
$23376 := 2^2 + 3^1 + 3^8 + 7^5 + 6^0$	$23637 := 2^7 + 3^7 + 6^4 + 3^9 + 7^3$	$23857 := 2^2 + 3^9 + 8^4 + 5^2 + 7^2$
$23378 := 2^3 + 3^0 + 3^8 + 7^5 + 8^0$	$23652 := 2^2 + 3^5 + 6^5 + 5^6 + 2^2$	$23858 := 2^5 + 3^2 + 8^4 + 5^6 + 8^4$
$23385 := 2^6 + 3^0 + 3^9 + 8^3 + 5^5$	$23653 := 2^3 + 3^0 + 6^5 + 5^6 + 3^5$	$23863 := 2^1 + 3^4 + 8^4 + 6^0 + 3^9$
$23387 := 2^1 + 3^2 + 3^8 + 8^1 + 7^5$	$23655 := 2^7 + 3^0 + 6^5 + 5^3 + 5^6$	$23869 := 2^3 + 3^9 + 8^4 + 6^0 + 9^2$
$23417 := 2^5 + 3^8 + 4^2 + 1^0 + 7^5$	$23657 := 2^7 + 3^8 + 6^2 + 5^3 + 7^5$	$23875 := 2^6 + 3^9 + 8^4 + 7^1 + 5^2$
$23433 := 2^1 + 3^5 + 4^7 + 3^5 + 3^8$	$23659 := 2^8 + 3^0 + 6^5 + 5^6 + 9^0$	$23892 := 2^4 + 3^9 + 8^4 + 9^2 + 2^4$
$23435 := 2^7 + 3^5 + 4^4 + 3^9 + 5^5$	$23673 := 2^3 + 3^4 + 6^3 + 7^5 + 3^8$	$23893 := 2^5 + 3^0 + 8^4 + 9^2 + 3^9$
$23436 := 2^5 + 3^5 + 4^7 + 3^8 + 6^3$	$23674 := 2^9 + 3^8 + 6^3 + 7^0 + 4^7$	$23897 := 2^3 + 3^2 + 8^3 + 9^4 + 7^5$
$23437 := 2^1 + 3^1 + 4^3 + 3^8 + 7^5$	$23679 := 2^5 + 3^5 + 6^2 + 7^5 + 9^4$	$23907 := 2^9 + 3^3 + 9^4 + 0^1 + 7^5$
$23438 := 2^5 + 3^7 + 4^5 + 3^9 + 8^3$	$23685 := 2^8 + 3^3 + 6^5 + 8^0 + 5^6$	$23908 := 2^7 + 3^9 + 9^0 + 0^1 + 8^4$
$23439 := 2^3 + 3^5 + 4^7 + 3^5 + 9^4$	$23697 := 2^5 + 3^4 + 6^3 + 9^4 + 7^5$	$23924 := 2^3 + 3^9 + 9^1 + 2^7 + 4^6$
$23452 := 2^7 + 3^9 + 4^1 + 5^5 + 2^9$	$23727 := 2^3 + 3^8 + 7^3 + 2^3 + 7^5$	$23928 := 2^2 + 3^9 + 9^2 + 2^6 + 8^4$
$23454 := 2^7 + 3^8 + 4^4 + 5^3 + 4^7$	$23743 := 2^7 + 3^5 + 7^5 + 4^1 + 3^8$	$23943 := 2^1 + 3^4 + 9^2 + 4^6 + 3^9$

$23945 := 2^5 + 3^9 + 9^1 + 4^6 + 5^3$	$24397 := 2^1 + 4^5 + 3^1 + 9^4 + 7^5$	$24759 := 2^1 + 4^6 + 7^5 + 5^5 + 9^3$
$23947 := 2^7 + 3^7 + 9^3 + 4^6 + 7^5$	$24423 := 2^7 + 4^1 + 4^6 + 2^9 + 3^9$	$24760 := 2^8 + 4^7 + 7^3 + 6^5 + 0^0$
$23949 := 2^3 + 3^9 + 9^2 + 4^6 + 9^2$	$24426 := 2^1 + 4^4 + 4^7 + 2^3 + 6^5$	$24773 := 2^5 + 4^4 + 7^4 + 7^4 + 3^9$
$23967 := 2^9 + 3^4 + 9^4 + 6^1 + 7^5$	$24436 := 2^5 + 4^0 + 4^7 + 3^5 + 6^5$	$24776 := 2^7 + 4^2 + 7^2 + 7^5 + 6^5$
$23988 := 2^6 + 3^9 + 9^2 + 8^2 + 8^4$	$24464 := 2^5 + 4^2 + 4^4 + 6^5 + 4^7$	$24796 := 2^7 + 4^1 + 7^5 + 9^2 + 6^5$
$23989 := 2^7 + 3^9 + 9^0 + 8^4 + 9^2$	$24467 := 2^1 + 4^4 + 4^7 + 6^5 + 7^2$	$24803 := 2^9 + 4^6 + 8^3 + 0^1 + 3^9$
$24034 := 2^6 + 4^5 + 0^0 + 3^8 + 4^7$	$24483 := 2^1 + 4^5 + 4^7 + 8^3 + 3^8$	$24823 := 2^2 + 4^5 + 8^4 + 2^4 + 3^9$
$24036 := 2^8 + 4^6 + 0^1 + 3^9 + 6^0$	$24489 := 2^3 + 4^5 + 4^7 + 8^3 + 9^4$	$24836 := 2^5 + 4^5 + 8^4 + 3^9 + 6^0$
$24037 := 2^8 + 4^6 + 0^0 + 3^9 + 7^0$	$24532 := 2^6 + 4^6 + 5^4 + 3^9 + 2^6$	$24843 := 2^5 + 4^5 + 8^1 + 4^6 + 3^9$
$24038 := 2^1 + 4^4 + 0^0 + 3^9 + 8^4$	$24533 := 2^7 + 4^6 + 5^4 + 3^0 + 3^9$	$24845 := 2^2 + 4^5 + 8^4 + 4^6 + 5^6$
$24043 := 2^3 + 4^4 + 0^1 + 4^6 + 3^9$	$24536 := 2^3 + 4^7 + 5^3 + 3^5 + 6^5$	$24848 := 2^4 + 4^4 + 8^4 + 4^7 + 8^4$
$24137 := 2^9 + 4^4 + 1^0 + 3^8 + 7^5$	$24572 := 2^5 + 4^6 + 5^5 + 7^5 + 2^9$	$24864 := 2^7 + 4^3 + 8^3 + 6^5 + 4^7$
$24157 := 2^7 + 4^6 + 1^0 + 5^5 + 7^5$	$24576 := 2^9 + 4^6 + 5^5 + 7^5 + 6^2$	$24865 := 2^4 + 4^7 + 8^2 + 6^5 + 5^4$
$24164 := 2^1 + 4^0 + 1^0 + 6^5 + 4^7$	$24593 := 2^5 + 4^5 + 5^5 + 9^3 + 3^9$	$24868 := 2^8 + 4^7 + 8^4 + 6^2 + 8^4$
$24166 := 2^2 + 4^7 + 1^0 + 6^0 + 6^5$	$24607 := 2^3 + 4^2 + 6^5 + 0^1 + 7^5$	$24883 := 2^4 + 4^5 + 8^2 + 8^4 + 3^9$
$24176 := 2^3 + 4^7 + 1^0 + 7^1 + 6^5$	$24617 := 2^5 + 4^0 + 6^5 + 1^0 + 7^5$	$24906 := 2^4 + 4^7 + 9^3 + 0^0 + 6^5$
$24226 := 2^1 + 4^7 + 2^5 + 2^5 + 6^5$	$24627 := 2^3 + 4^1 + 6^5 + 2^5 + 7^5$	$24976 := 2^7 + 4^4 + 9^1 + 7^5 + 6^5$
$24245 := 2^7 + 4^6 + 2^9 + 4^7 + 5^5$	$24644 := 2^5 + 4^6 + 6^2 + 4^6 + 4^7$	$24996 := 2^1 + 4^6 + 9^4 + 9^4 + 6^5$
$24264 := 2^3 + 4^3 + 2^5 + 6^5 + 4^7$	$24647 := 2^5 + 4^2 + 6^5 + 4^2 + 7^5$	$25273 := 2^5 + 5^5 + 2^5 + 7^4 + 3^9$
$24265 := 2^4 + 4^7 + 2^6 + 6^5 + 5^2$	$24664 := 2^5 + 4^4 + 6^3 + 6^5 + 4^7$	$25276 := 2^2 + 5^4 + 2^6 + 7^5 + 6^5$
$24293 := 2^9 + 4^6 + 2^0 + 9^0 + 3^9$	$24667 := 2^5 + 4^2 + 6^2 + 6^5 + 7^5$	$25366 := 2^7 + 5^5 + 3^8 + 6^5 + 6^5$
$24306 := 2^6 + 4^7 + 3^4 + 0^0 + 6^5$	$24673 := 2^3 + 4^0 + 6^4 + 7^5 + 3^8$	$25389 := 2^8 + 5^4 + 3^9 + 8^4 + 9^3$
$24308 := 2^4 + 4^6 + 3^9 + 0^0 + 8^3$	$24674 := 2^9 + 4^0 + 6^5 + 7^0 + 4^7$	$25473 := 2^1 + 5^3 + 4^7 + 7^4 + 3^8$
$24316 := 2^7 + 4^7 + 3^3 + 1^0 + 6^5$	$24680 := 2^3 + 4^7 + 6^5 + 8^3 + 0^1$	$25476 := 2^9 + 5^3 + 4^4 + 7^5 + 6^5$
$24324 := 2^5 + 4^0 + 3^9 + 2^9 + 4^6$	$24681 := 2^3 + 4^7 + 6^5 + 8^3 + 1^0$	$25479 := 2^3 + 5^3 + 4^7 + 7^4 + 9^4$
$24332 := 2^5 + 4^6 + 3^2 + 3^9 + 2^9$	$24682 := 2^1 + 4^7 + 6^5 + 8^1 + 2^9$	$25547 := 2^9 + 5^5 + 5^5 + 4^7 + 7^4$
$24334 := 2^9 + 4^2 + 3^3 + 3^9 + 4^6$	$24683 := 2^1 + 4^7 + 6^5 + 8^3 + 3^2$	$25653 := 2^6 + 5^0 + 6^5 + 5^6 + 3^7$
$24336 := 2^9 + 4^6 + 3^2 + 3^9 + 6^2$	$24684 := 2^3 + 4^1 + 6^5 + 8^3 + 4^7$	$25723 := 2^1 + 5^5 + 7^4 + 2^9 + 3^9$
$24337 := 2^1 + 4^3 + 3^7 + 3^9 + 7^4$	$24685 := 2^3 + 4^7 + 6^5 + 8^3 + 5^1$	$25764 := 2^5 + 5^3 + 7^5 + 6^5 + 4^5$
$24345 := 2^9 + 4^0 + 3^9 + 4^5 + 5^5$	$24686 := 2^3 + 4^7 + 6^1 + 8^3 + 6^5$	$25867 := 2^6 + 5^6 + 8^0 + 6^5 + 7^4$
$24352 := 2^3 + 4^5 + 3^9 + 5^5 + 2^9$	$24687 := 2^3 + 4^7 + 6^5 + 8^3 + 7^1$	$26247 := 2^7 + 6^5 + 2^9 + 4^5 + 7^5$
$24353 := 2^9 + 4^5 + 3^2 + 5^5 + 3^9$	$24688 := 2^3 + 4^7 + 6^5 + 8^1 + 8^3$	$26293 := 2^4 + 6^0 + 2^5 + 9^4 + 3^9$
$24372 := 2^5 + 4^6 + 3^9 + 7^2 + 2^9$	$24689 := 2^3 + 4^7 + 6^5 + 8^3 + 9^1$	$26309 := 2^6 + 6^0 + 3^9 + 0^1 + 9^4$
$24373 := 2^3 + 4^6 + 3^5 + 7^3 + 3^9$	$24697 := 2^5 + 4^0 + 6^4 + 9^4 + 7^5$	$26313 := 2^5 + 6^2 + 3^8 + 1^0 + 3^9$
$24375 := 2^7 + 4^6 + 3^9 + 7^3 + 5^3$	$24716 := 2^7 + 4^1 + 7^5 + 1^0 + 6^5$	$26333 := 2^1 + 6^1 + 3^4 + 3^8 + 3^9$
$24376 := 2^7 + 4^7 + 3^4 + 7^1 + 6^5$	$24736 := 2^3 + 4^3 + 7^5 + 3^4 + 6^5$	$26337 := 2^3 + 6^2 + 3^8 + 3^9 + 7^2$
$24379 := 2^8 + 4^6 + 3^9 + 7^3 + 9^0$	$24737 := 2^1 + 4^5 + 7^3 + 3^8 + 7^5$	$26339 := 2^3 + 6^1 + 3^4 + 3^9 + 9^4$
$24396 := 2^7 + 4^7 + 3^3 + 9^2 + 6^5$	$24756 := 2^5 + 4^2 + 7^5 + 5^3 + 6^5$	$26354 := 2^1 + 6^5 + 3^7 + 5^1 + 4^7$

$26364 := 2^4 + 6^0 + 3^7 + 6^5 + 4^7$	$27984 := 2^3 + 7^5 + 9^4 + 8^3 + 4^6$	$32570 := 3^2 + 2^7 + 5^6 + 7^5 + 0^0$
$26379 := 2^7 + 6^1 + 3^9 + 7^0 + 9^4$	$28036 := 2^6 + 8^3 + 0^0 + 3^9 + 6^5$	$32578 := 3^4 + 2^0 + 5^6 + 7^5 + 8^2$
$26393 := 2^5 + 6^2 + 3^4 + 9^4 + 3^9$	$28264 := 2^2 + 8^4 + 2^2 + 6^5 + 4^7$	$32587 := 3^3 + 2^6 + 5^6 + 8^2 + 7^5$
$26394 := 2^7 + 6^1 + 3^9 + 9^4 + 4^2$	$28265 := 2^8 + 8^4 + 2^9 + 6^5 + 5^6$	$32743 := 3^8 + 2^1 + 7^4 + 4^6 + 3^9$
$26437 := 2^8 + 6^0 + 4^6 + 3^9 + 7^4$	$28388 := 2^9 + 8^0 + 3^9 + 8^4 + 8^4$	$32749 := 3^9 + 2^3 + 7^4 + 4^6 + 9^4$
$26443 := 2^5 + 6^5 + 4^3 + 4^7 + 3^7$	$28533 := 2^6 + 8^4 + 5^6 + 3^7 + 3^8$	$32780 := 3^1 + 2^0 + 7^1 + 8^5 + 0^0$
$26483 := 2^7 + 6^5 + 4^7 + 8^1 + 3^7$	$29259 := 2^8 + 9^4 + 2^8 + 5^6 + 9^4$	$32781 := 3^1 + 2^1 + 7^1 + 8^5 + 1^0$
$26493 := 2^5 + 6^3 + 4^0 + 9^4 + 3^9$	$29385 := 2^3 + 9^4 + 3^9 + 8^1 + 5^5$	$32782 := 3^1 + 2^1 + 7^0 + 8^5 + 2^3$
$26533 := 2^7 + 6^2 + 5^3 + 3^8 + 3^9$	$29435 := 2^1 + 9^4 + 4^3 + 3^9 + 5^5$	$32783 := 3^1 + 2^1 + 7^0 + 8^5 + 3^2$
$26535 := 2^3 + 6^5 + 5^5 + 3^0 + 5^6$	$29474 := 2^5 + 9^4 + 4^6 + 7^4 + 4^7$	$32784 := 3^1 + 2^1 + 7^1 + 8^5 + 4^1$
$26537 := 2^3 + 6^2 + 5^5 + 3^8 + 7^5$	$29543 := 2^5 + 9^4 + 5^1 + 4^7 + 3^8$	$32785 := 3^1 + 2^1 + 7^1 + 8^5 + 5^1$
$26555 := 2^2 + 6^5 + 5^2 + 5^5 + 5^6$	$29947 := 2^1 + 9^4 + 9^4 + 4^2 + 7^5$	$32786 := 3^1 + 2^1 + 7^1 + 8^5 + 6^1$
$26559 := 2^5 + 6^5 + 5^5 + 5^6 + 9^0$	$29965 := 2^1 + 9^0 + 9^4 + 6^5 + 5^6$	$32787 := 3^1 + 2^1 + 7^1 + 8^5 + 7^1$
$26574 := 2^3 + 6^5 + 5^1 + 7^4 + 4^7$	$29967 := 2^1 + 9^4 + 9^4 + 6^2 + 7^5$	$32788 := 3^1 + 2^1 + 7^1 + 8^1 + 8^5$
$26593 := 2^3 + 6^3 + 5^3 + 9^4 + 3^9$	$30340 := 3^8 + 0^1 + 3^9 + 4^6 + 0^1$	$32789 := 3^1 + 2^1 + 7^1 + 8^5 + 9^1$
$26647 := 2^9 + 6^4 + 6^5 + 4^4 + 7^5$	$30341 := 3^8 + 0^1 + 3^9 + 4^6 + 1^0$	$32798 := 3^3 + 2^0 + 7^0 + 9^0 + 8^5$
$26655 := 2^7 + 6^0 + 6^5 + 5^5 + 5^6$	$30342 := 3^8 + 0^0 + 3^9 + 4^6 + 2^0$	$32800 := 3^3 + 2^2 + 8^5 + 0^0 + 0^1$
$26736 := 2^7 + 6^4 + 7^5 + 3^6 + 6^5$	$30343 := 3^1 + 0^1 + 3^8 + 4^6 + 3^9$	$32801 := 3^3 + 2^2 + 8^5 + 0^0 + 1^0$
$26773 := 2^1 + 6^5 + 7^0 + 7^5 + 3^7$	$30344 := 3^8 + 0^1 + 3^9 + 4^1 + 4^6$	$32802 := 3^2 + 2^3 + 8^5 + 0^0 + 2^4$
$26793 := 2^9 + 6^2 + 7^0 + 9^4 + 3^9$	$30345 := 3^8 + 0^1 + 3^9 + 4^6 + 5^1$	$32803 := 3^1 + 2^2 + 8^5 + 0^0 + 3^3$
$26973 := 2^9 + 6^3 + 9^4 + 7^0 + 3^9$	$30346 := 3^8 + 0^1 + 3^9 + 4^6 + 6^1$	$32804 := 3^1 + 2^4 + 8^5 + 0^0 + 4^2$
$27346 := 2^9 + 7^5 + 3^7 + 4^3 + 6^5$	$30347 := 3^8 + 0^1 + 3^9 + 4^6 + 7^1$	$32805 := 3^1 + 2^3 + 8^5 + 0^0 + 5^2$
$27349 := 2^5 + 7^2 + 3^9 + 4^5 + 9^4$	$30348 := 3^8 + 0^1 + 3^9 + 4^6 + 8^1$	$32806 := 3^3 + 2^2 + 8^5 + 0^0 + 6^1$
$27363 := 2^9 + 7^5 + 3^4 + 6^5 + 3^7$	$30349 := 3^2 + 0^1 + 3^9 + 4^6 + 9^4$	$32807 := 3^3 + 2^2 + 8^5 + 0^0 + 7^1$
$27463 := 2^1 + 7^0 + 4^0 + 6^5 + 3^9$	$30586 := 3^9 + 0^0 + 5^5 + 8^0 + 6^5$	$32808 := 3^3 + 2^2 + 8^1 + 0^0 + 8^5$
$27469 := 2^2 + 7^5 + 4^6 + 6^0 + 9^4$	$30867 := 3^7 + 0^0 + 8^4 + 6^5 + 7^5$	$32809 := 3^3 + 2^2 + 8^5 + 0^0 + 9^1$
$27473 := 2^1 + 7^1 + 4^6 + 7^5 + 3^8$	$30935 := 3^7 + 0^0 + 9^4 + 3^8 + 5^6$	$32810 := 3^2 + 2^5 + 8^5 + 1^0 + 0^1$
$27479 := 2^3 + 7^1 + 4^6 + 7^5 + 9^4$	$30964 := 3^5 + 0^1 + 9^4 + 6^5 + 4^7$	$32811 := 3^2 + 2^5 + 8^5 + 1^0 + 1^0$
$27493 := 2^1 + 7^5 + 4^6 + 9^4 + 3^3$	$31255 := 3^1 + 1^0 + 2^0 + 5^6 + 5^6$	$32812 := 3^1 + 2^3 + 8^5 + 1^0 + 2^5$
$27497 := 2^5 + 7^0 + 4^6 + 9^4 + 7^5$	$31558 := 3^5 + 1^0 + 5^6 + 5^6 + 8^2$	$32813 := 3^1 + 2^5 + 8^5 + 1^0 + 3^2$
$27549 := 2^5 + 7^5 + 5^5 + 4^5 + 9^4$	$32045 := 3^1 + 2^5 + 0^0 + 4^7 + 5^6$	$32814 := 3^2 + 2^5 + 8^5 + 1^0 + 4^1$
$27568 := 2^6 + 7^1 + 5^6 + 6^5 + 8^4$	$32068 := 3^9 + 2^9 + 0^0 + 6^5 + 8^4$	$32815 := 3^2 + 2^5 + 8^5 + 1^0 + 5^1$
$27635 := 2^1 + 7^2 + 6^5 + 3^9 + 5^3$	$32254 := 3^5 + 2^0 + 2^0 + 5^6 + 4^7$	$32816 := 3^1 + 2^3 + 8^5 + 1^0 + 6^2$
$27637 := 2^7 + 7^0 + 6^5 + 3^9 + 7^2$	$32524 := 3^1 + 2^8 + 5^6 + 2^8 + 4^7$	$32817 := 3^2 + 2^5 + 8^5 + 1^0 + 7^1$
$27749 := 2^1 + 7^4 + 7^4 + 4^7 + 9^4$	$32527 := 3^3 + 2^2 + 5^6 + 2^6 + 7^5$	$32818 := 3^2 + 2^5 + 8^1 + 1^0 + 8^5$
$27765 := 2^3 + 7^2 + 7^5 + 6^5 + 5^5$	$32549 := 3^3 + 2^9 + 5^6 + 4^7 + 9^0$	$32819 := 3^2 + 2^5 + 8^5 + 1^0 + 9^1$
$27856 := 2^4 + 7^3 + 8^4 + 5^6 + 6^5$	$32556 := 3^2 + 2^0 + 5^6 + 5^6 + 6^4$	$32820 := 3^1 + 2^4 + 8^5 + 2^5 + 0^0$
$27965 := 2^8 + 7^5 + 9^0 + 6^5 + 5^5$	$32565 := 3^1 + 2^4 + 5^6 + 6^4 + 5^6$	$32825 := 3^3 + 2^0 + 8^5 + 2^2 + 5^2$

$$\begin{aligned}
32826 &:= 3^2 + 2^4 + 8^5 + 2^5 + 6^0 & 32873 &:= 3^2 + 2^3 + 8^5 + 7^1 + 3^4 & 33228 &:= 3^4 + 3^5 + 2^3 + 2^7 + 8^5 \\
32828 &:= 3^3 + 2^4 + 8^0 + 2^4 + 8^5 & 32874 &:= 3^1 + 2^5 + 8^5 + 7^1 + 4^3 & 33247 &:= 3^3 + 3^3 + 2^1 + 4^7 + 7^5 \\
32829 &:= 3^3 + 2^0 + 8^5 + 2^5 + 9^0 & 32877 &:= 3^1 + 2^3 + 8^5 + 7^2 + 7^2 & 33268 &:= 3^2 + 3^5 + 2^5 + 6^3 + 8^5 \\
32830 &:= 3^1 + 2^5 + 8^5 + 3^3 + 0^1 & 32879 &:= 3^3 + 2^1 + 8^5 + 7^0 + 9^2 & 33274 &:= 3^4 + 3^0 + 2^0 + 7^5 + 4^7 \\
32831 &:= 3^1 + 2^5 + 8^5 + 3^3 + 1^0 & 32882 &:= 3^4 + 2^4 + 8^0 + 8^5 + 2^4 & 33283 &:= 3^3 + 3^5 + 2^1 + 8^5 + 3^5 \\
32832 &:= 3^1 + 2^1 + 8^5 + 3^3 + 2^5 & 32883 &:= 3^4 + 2^5 + 8^0 + 8^5 + 3^0 & 33284 &:= 3^1 + 3^0 + 2^8 + 8^5 + 4^4 \\
32833 &:= 3^1 + 2^3 + 8^5 + 3^3 + 3^3 & 32885 &:= 3^3 + 2^0 + 8^2 + 8^5 + 5^2 & 33285 &:= 3^1 + 3^0 + 2^9 + 8^5 + 5^0 \\
32834 &:= 3^1 + 2^5 + 8^5 + 3^3 + 4^1 & 32890 &:= 3^2 + 2^5 + 8^5 + 9^2 + 0^1 & 33286 &:= 3^3 + 3^5 + 2^5 + 8^5 + 6^3 \\
32835 &:= 3^1 + 2^5 + 8^5 + 3^3 + 5^1 & 32891 &:= 3^2 + 2^5 + 8^5 + 9^2 + 1^0 & 33287 &:= 3^1 + 3^1 + 2^9 + 8^5 + 7^0 \\
32836 &:= 3^1 + 2^1 + 8^5 + 3^3 + 6^2 & 32892 &:= 3^1 + 2^3 + 8^5 + 9^2 + 2^5 & 33288 &:= 3^1 + 3^0 + 2^2 + 8^3 + 8^5 \\
32837 &:= 3^1 + 2^3 + 8^5 + 3^2 + 7^2 & 32893 &:= 3^1 + 2^5 + 8^5 + 9^1 + 3^4 & 33318 &:= 3^8 + 3^8 + 3^9 + 1^0 + 8^3 \\
32838 &:= 3^1 + 2^1 + 8^2 + 3^0 + 8^5 & 32894 &:= 3^2 + 2^5 + 8^5 + 9^2 + 4^1 & 33338 &:= 3^1 + 3^4 + 3^5 + 3^5 + 8^5 \\
32839 &:= 3^1 + 2^5 + 8^5 + 3^3 + 9^1 & 32895 &:= 3^2 + 2^5 + 8^5 + 9^2 + 5^1 & 33398 &:= 3^4 + 3^8 + 3^9 + 9^4 + 8^3 \\
32840 &:= 3^1 + 2^2 + 8^5 + 4^3 + 0^0 & 32896 &:= 3^1 + 2^3 + 8^5 + 9^2 + 6^2 & 33427 &:= 3^3 + 3^4 + 4^7 + 2^7 + 7^5 \\
32842 &:= 3^2 + 2^5 + 8^5 + 4^0 + 2^5 & 32897 &:= 3^2 + 2^5 + 8^5 + 9^2 + 7^1 & 33428 &:= 3^1 + 3^4 + 4^3 + 2^9 + 8^5 \\
32843 &:= 3^2 + 2^0 + 8^5 + 4^3 + 3^0 & 32898 &:= 3^2 + 2^5 + 8^1 + 9^2 + 8^5 & 33442 &:= 3^4 + 3^4 + 4^7 + 4^7 + 2^9 \\
32844 &:= 3^1 + 2^3 + 8^5 + 4^0 + 4^3 & 32899 &:= 3^2 + 2^5 + 8^5 + 9^1 + 9^2 & 33447 &:= 3^2 + 3^5 + 4^1 + 4^7 + 7^5 \\
32846 &:= 3^2 + 2^2 + 8^5 + 4^3 + 6^0 & 32908 &:= 3^1 + 2^7 + 9^1 + 0^1 + 8^5 & 33467 &:= 3^3 + 3^5 + 4^7 + 6^1 + 7^5 \\
32847 &:= 3^3 + 2^1 + 8^5 + 4^0 + 7^2 & 32928 &:= 3^3 + 2^2 + 9^0 + 2^7 + 8^5 & 33485 &:= 3^3 + 3^0 + 4^3 + 8^5 + 5^4 \\
32852 &:= 3^1 + 2^4 + 8^5 + 5^0 + 2^6 & 32934 &:= 3^8 + 2^7 + 9^4 + 3^9 + 4^0 & 33486 &:= 3^1 + 3^5 + 4^4 + 8^5 + 6^3 \\
32853 &:= 3^3 + 2^5 + 8^5 + 5^2 + 3^0 & 32948 &:= 3^1 + 2^5 + 9^2 + 4^3 + 8^5 & 33508 &:= 3^2 + 3^6 + 5^0 + 0^0 + 8^5 \\
32854 &:= 3^2 + 2^3 + 8^5 + 5^1 + 4^3 & 32949 &:= 3^9 + 2^7 + 9^4 + 4^2 + 9^4 & 33538 &:= 3^2 + 3^3 + 5^1 + 3^6 + 8^5 \\
32855 &:= 3^4 + 2^2 + 8^5 + 5^0 + 5^0 & 32968 &:= 3^3 + 2^7 + 9^1 + 6^2 + 8^5 & 33539 &:= 3^6 + 3^8 + 5^1 + 3^9 + 9^4 \\
32856 &:= 3^4 + 2^0 + 8^5 + 5^1 + 6^0 & 32969 &:= 3^9 + 2^7 + 9^4 + 6^2 + 9^4 & 33578 &:= 3^3 + 3^6 + 5^1 + 7^2 + 8^5 \\
32857 &:= 3^1 + 2^5 + 8^5 + 5^1 + 7^2 & 32980 &:= 3^1 + 2^7 + 9^2 + 8^5 + 0^1 & 33580 &:= 3^4 + 3^6 + 5^0 + 8^5 + 0^0 \\
32858 &:= 3^2 + 2^4 + 8^2 + 5^0 + 8^5 & 32981 &:= 3^1 + 2^7 + 9^2 + 8^5 + 1^0 & 33584 &:= 3^4 + 3^6 + 5^1 + 8^5 + 4^0 \\
32859 &:= 3^1 + 2^1 + 8^5 + 5^1 + 9^2 & 32982 &:= 3^1 + 2^1 + 9^2 + 8^5 + 2^7 & 33648 &:= 3^4 + 3^6 + 6^1 + 4^3 + 8^5 \\
32860 &:= 3^3 + 2^6 + 8^5 + 6^0 + 0^1 & 32983 &:= 3^1 + 2^7 + 9^2 + 8^5 + 3^1 & 33685 &:= 3^3 + 3^6 + 6^2 + 8^5 + 5^3 \\
32861 &:= 3^3 + 2^6 + 8^5 + 6^0 + 1^0 & 32984 &:= 3^1 + 2^7 + 9^2 + 8^5 + 4^1 & 33686 &:= 3^5 + 3^5 + 6^3 + 8^5 + 6^3 \\
32862 &:= 3^3 + 2^1 + 8^5 + 6^0 + 2^6 & 32985 &:= 3^1 + 2^3 + 9^2 + 8^5 + 5^3 & 33748 &:= 3^5 + 3^6 + 7^1 + 4^0 + 8^5 \\
32863 &:= 3^1 + 2^6 + 8^5 + 6^0 + 3^3 & 32986 &:= 3^1 + 2^7 + 9^2 + 8^5 + 6^1 & 33756 &:= 3^3 + 3^0 + 7^5 + 5^6 + 6^4 \\
32864 &:= 3^3 + 2^2 + 8^5 + 6^0 + 4^3 & 32987 &:= 3^1 + 2^7 + 9^2 + 8^5 + 7^1 & 33757 &:= 3^2 + 3^2 + 7^5 + 5^3 + 7^5 \\
32865 &:= 3^3 + 2^6 + 8^5 + 6^0 + 5^1 & 32988 &:= 3^1 + 2^7 + 9^2 + 8^1 + 8^5 & 33772 &:= 3^1 + 3^3 + 7^5 + 7^5 + 2^7 \\
32866 &:= 3^3 + 2^6 + 8^5 + 6^0 + 6^1 & 32989 &:= 3^1 + 2^7 + 9^1 + 8^5 + 9^2 & 33775 &:= 3^2 + 3^3 + 7^5 + 7^5 + 5^3 \\
32867 &:= 3^3 + 2^6 + 8^5 + 6^0 + 7^1 & 33028 &:= 3^1 + 3^0 + 0^1 + 2^8 + 8^5 & 33777 &:= 3^4 + 3^4 + 7^0 + 7^5 + 7^5 \\
32868 &:= 3^1 + 2^5 + 8^2 + 6^0 + 8^5 & 33068 &:= 3^1 + 3^4 + 0^1 + 6^3 + 8^5 & 33778 &:= 3^4 + 3^5 + 7^3 + 7^3 + 8^5 \\
32869 &:= 3^1 + 2^4 + 8^5 + 6^0 + 9^2 & 33084 &:= 3^2 + 3^5 + 0^1 + 8^5 + 4^3 & 33779 &:= 3^1 + 3^4 + 7^5 + 7^5 + 9^2 \\
32872 &:= 3^4 + 2^3 + 8^5 + 7^1 + 2^3 & 33087 &:= 3^3 + 3^5 + 0^1 + 8^5 + 7^2 & 33798 &:= 3^2 + 3^5 + 7^2 + 9^3 + 8^5
\end{aligned}$$

$$\begin{aligned}
33804 &:= 3^1 + 3^2 + 8^5 + 0^1 + 4^5 & 34474 &:= 3^1 + 4^4 + 4^5 + 7^5 + 4^7 & 34993 &:= 3^7 + 4^0 + 9^4 + 9^4 + 3^9 \\
33822 &:= 3^1 + 3^3 + 8^5 + 2^9 + 2^9 & 34483 &:= 3^6 + 4^0 + 4^4 + 8^5 + 3^6 & 35038 &:= 3^4 + 5^0 + 0^0 + 3^7 + 8^5 \\
33823 &:= 3^4 + 3^5 + 8^5 + 2^1 + 3^6 & 34498 &:= 3^6 + 4^2 + 4^4 + 9^3 + 8^5 & 35077 &:= 3^5 + 5^6 + 0^0 + 7^4 + 7^5 \\
33824 &:= 3^1 + 3^3 + 8^5 + 2^1 + 4^5 & 34525 &:= 3^7 + 4^5 + 5^6 + 2^6 + 5^6 & 35080 &:= 3^7 + 5^3 + 0^1 + 8^5 + 0^1 \\
33826 &:= 3^4 + 3^6 + 8^5 + 2^5 + 6^3 & 34528 &:= 3^6 + 4^5 + 5^1 + 2^1 + 8^5 & 35081 &:= 3^7 + 5^3 + 0^1 + 8^5 + 1^0 \\
33828 &:= 3^2 + 3^3 + 8^3 + 2^9 + 8^5 & 34568 &:= 3^5 + 4^4 + 5^1 + 6^4 + 8^5 & 35082 &:= 3^7 + 5^3 + 0^0 + 8^5 + 2^0 \\
33829 &:= 3^4 + 3^5 + 8^5 + 2^3 + 9^3 & 34638 &:= 3^4 + 4^5 + 6^2 + 3^6 + 8^5 & 35083 &:= 3^1 + 5^3 + 0^1 + 8^5 + 3^7 \\
33842 &:= 3^2 + 3^2 + 8^5 + 4^5 + 2^5 & 34674 &:= 3^5 + 4^5 + 6^3 + 7^5 + 4^7 & 35084 &:= 3^7 + 5^3 + 0^1 + 8^5 + 4^1 \\
33843 &:= 3^2 + 3^4 + 8^5 + 4^4 + 3^6 & 34677 &:= 3^1 + 4^5 + 6^2 + 7^5 + 7^5 & 35085 &:= 3^7 + 5^1 + 0^1 + 8^5 + 5^3 \\
33844 &:= 3^2 + 3^3 + 8^5 + 4^2 + 4^5 & 34698 &:= 3^6 + 4^4 + 6^3 + 9^3 + 8^5 & 35086 &:= 3^7 + 5^3 + 0^1 + 8^5 + 6^1 \\
33845 &:= 3^3 + 3^0 + 8^5 + 4^5 + 5^2 & 34727 &:= 3^4 + 4^5 + 7^5 + 2^3 + 7^5 & 35087 &:= 3^7 + 5^3 + 0^1 + 8^5 + 7^1 \\
33846 &:= 3^2 + 3^2 + 8^5 + 4^5 + 6^2 & 34728 &:= 3^4 + 4^5 + 7^3 + 2^9 + 8^5 & 35088 &:= 3^7 + 5^3 + 0^1 + 8^1 + 8^5 \\
33847 &:= 3^1 + 3^1 + 8^5 + 4^5 + 7^2 & 34746 &:= 3^1 + 4^4 + 7^5 + 4^7 + 6^4 & 35089 &:= 3^7 + 5^3 + 0^1 + 8^5 + 9^1 \\
33864 &:= 3^2 + 3^3 + 8^5 + 6^2 + 4^5 & 34762 &:= 3^5 + 4^7 + 7^5 + 6^4 + 2^5 & 35178 &:= 3^1 + 5^1 + 1^0 + 7^4 + 8^5 \\
33865 &:= 3^3 + 3^6 + 8^5 + 6^3 + 5^3 & 34766 &:= 3^5 + 4^7 + 7^5 + 6^2 + 6^4 & 35208 &:= 3^7 + 5^3 + 2^7 + 0^1 + 8^5 \\
33882 &:= 3^2 + 3^4 + 8^3 + 8^5 + 2^9 & 34784 &:= 3^6 + 4^4 + 7^1 + 8^5 + 4^5 & 35228 &:= 3^7 + 5^0 + 2^4 + 2^8 + 8^5 \\
33884 &:= 3^1 + 3^4 + 8^1 + 8^5 + 4^5 & 34786 &:= 3^6 + 4^5 + 7^2 + 8^5 + 6^3 & 35248 &:= 3^7 + 5^1 + 2^5 + 4^4 + 8^5 \\
33954 &:= 3^8 + 3^9 + 9^4 + 5^3 + 4^5 & 34826 &:= 3^6 + 4^0 + 8^5 + 2^5 + 6^4 & 35287 &:= 3^4 + 5^1 + 2^5 + 8^5 + 7^4 \\
33957 &:= 3^7 + 3^9 + 9^4 + 5^5 + 7^4 & 34834 &:= 3^2 + 4^5 + 8^5 + 3^2 + 4^5 & 35289 &:= 3^7 + 5^3 + 2^7 + 8^5 + 9^2 \\
33974 &:= 3^3 + 3^3 + 9^3 + 7^5 + 4^7 & 34836 &:= 3^3 + 4^2 + 8^5 + 3^6 + 6^4 & 35309 &:= 3^8 + 5^6 + 3^8 + 0^0 + 9^4 \\
33984 &:= 3^5 + 3^5 + 9^3 + 8^5 + 4^0 & 34844 &:= 3^3 + 4^0 + 8^5 + 4^5 + 4^5 & 35310 &:= 3^9 + 5^6 + 3^0 + 1^0 + 0^1 \\
34036 &:= 3^8 + 4^2 + 0^1 + 3^9 + 6^5 & 34872 &:= 3^6 + 4^5 + 8^5 + 7^3 + 2^3 & 35311 &:= 3^9 + 5^6 + 3^0 + 1^0 + 1^0 \\
34038 &:= 3^1 + 4^5 + 0^1 + 3^5 + 8^5 & 34873 &:= 3^2 + 4^5 + 8^5 + 7^3 + 3^6 & 35312 &:= 3^9 + 5^6 + 3^0 + 1^0 + 2^1 \\
34068 &:= 3^1 + 4^0 + 0^1 + 6^4 + 8^5 & 34874 &:= 3^2 + 4^5 + 8^5 + 7^2 + 4^5 & 35313 &:= 3^1 + 5^6 + 3^0 + 1^0 + 3^9 \\
34146 &:= 3^4 + 4^7 + 1^0 + 4^7 + 6^4 & 34892 &:= 3^5 + 4^5 + 8^5 + 9^3 + 2^7 & 35314 &:= 3^9 + 5^6 + 3^0 + 1^0 + 4^1 \\
34205 &:= 3^7 + 4^7 + 2^3 + 0^0 + 5^6 & 34947 &:= 3^1 + 4^5 + 9^3 + 4^7 + 7^5 & 35315 &:= 3^9 + 5^1 + 3^0 + 1^0 + 5^6 \\
34234 &:= 3^6 + 4^7 + 2^3 + 3^6 + 4^7 & 34948 &:= 3^9 + 4^6 + 9^4 + 4^6 + 8^3 & 35316 &:= 3^9 + 5^6 + 3^0 + 1^0 + 6^1 \\
34238 &:= 3^6 + 4^1 + 2^3 + 3^6 + 8^5 & 34958 &:= 3^7 + 4^0 + 9^0 + 5^0 + 8^5 & 35317 &:= 3^9 + 5^6 + 3^0 + 1^0 + 7^1 \\
34274 &:= 3^3 + 4^5 + 2^5 + 7^5 + 4^7 & 34980 &:= 3^7 + 4^2 + 9^1 + 8^5 + 0^1 & 35318 &:= 3^9 + 5^6 + 3^0 + 1^0 + 8^1 \\
34298 &:= 3^6 + 4^3 + 2^3 + 9^3 + 8^5 & 34981 &:= 3^7 + 4^2 + 9^1 + 8^5 + 1^0 & 35319 &:= 3^2 + 5^6 + 3^9 + 1^0 + 9^0 \\
34325 &:= 3^7 + 4^7 + 3^0 + 2^7 + 5^6 & 34982 &:= 3^7 + 4^2 + 9^1 + 8^5 + 2^1 & 35320 &:= 3^1 + 5^6 + 3^9 + 2^3 + 0^0 \\
34366 &:= 3^5 + 4^7 + 3^7 + 6^5 + 6^5 & 34983 &:= 3^1 + 4^2 + 9^1 + 8^5 + 3^7 & 35322 &:= 3^2 + 5^6 + 3^9 + 2^0 + 2^2 \\
34367 &:= 3^8 + 4^1 + 3^9 + 6^5 + 7^3 & 34984 &:= 3^7 + 4^1 + 9^1 + 8^5 + 4^2 & 35326 &:= 3^2 + 5^6 + 3^9 + 2^3 + 6^0 \\
34387 &:= 3^2 + 4^5 + 3^5 + 8^5 + 7^3 & 34985 &:= 3^7 + 4^1 + 9^0 + 8^5 + 5^2 & 35328 &:= 3^1 + 5^6 + 3^9 + 2^4 + 8^0 \\
34388 &:= 3^1 + 4^5 + 3^4 + 8^3 + 8^5 & 34986 &:= 3^7 + 4^2 + 9^1 + 8^5 + 6^1 & 35334 &:= 3^2 + 5^6 + 3^0 + 3^9 + 4^2 \\
34437 &:= 3^8 + 4^6 + 4^6 + 3^9 + 7^0 & 34987 &:= 3^7 + 4^2 + 9^1 + 8^5 + 7^1 & 35335 &:= 3^9 + 5^2 + 3^0 + 3^0 + 5^6 \\
34439 &:= 3^1 + 4^6 + 4^6 + 3^9 + 9^4 & 34988 &:= 3^7 + 4^2 + 9^1 + 8^1 + 8^5 & 35337 &:= 3^3 + 5^6 + 3^0 + 3^9 + 7^0 \\
34453 &:= 3^7 + 4^4 + 4^7 + 5^6 + 3^0 & 34989 &:= 3^7 + 4^2 + 9^1 + 8^5 + 9^1 & 35339 &:= 3^1 + 5^6 + 3^3 + 3^9 + 9^0
\end{aligned}$$

$35340 := 3^3 + 5^6 + 3^9 + 4^1 + 0^0$	$35657 := 3^9 + 5^1 + 6^0 + 5^6 + 7^3$	$36268 := 3^7 + 6^0 + 2^4 + 6^4 + 8^5$
$35342 := 3^9 + 5^6 + 3^0 + 4^0 + 2^5$	$35688 := 3^7 + 5^1 + 6^3 + 8^3 + 8^5$	$36284 := 3^7 + 6^4 + 2^5 + 8^5 + 4^0$
$35346 := 3^9 + 5^6 + 3^0 + 4^0 + 6^2$	$35733 := 3^4 + 5^6 + 7^3 + 3^0 + 3^9$	$36294 := 3^9 + 6^3 + 2^1 + 9^1 + 4^7$
$35352 := 3^1 + 5^2 + 3^9 + 5^6 + 2^4$	$35738 := 3^6 + 5^1 + 7^2 + 3^7 + 8^5$	$36324 := 3^2 + 6^3 + 3^9 + 2^5 + 4^7$
$35358 := 3^1 + 5^6 + 3^2 + 5^6 + 8^4$	$35798 := 3^1 + 5^4 + 7^4 + 9^0 + 8^5$	$36342 := 3^3 + 6^3 + 3^9 + 4^7 + 2^5$
$35363 := 3^3 + 5^6 + 3^3 + 6^0 + 3^9$	$35809 := 3^7 + 5^3 + 8^5 + 0^1 + 9^3$	$36343 := 3^3 + 6^1 + 3^5 + 4^7 + 3^9$
$35367 := 3^2 + 5^6 + 3^9 + 6^0 + 7^2$	$35822 := 3^9 + 5^6 + 8^0 + 2^0 + 2^9$	$36346 := 3^3 + 6^2 + 3^9 + 4^7 + 6^3$
$35374 := 3^9 + 5^6 + 3^0 + 7^0 + 4^3$	$35823 := 3^9 + 5^6 + 8^3 + 2^1 + 3^0$	$36347 := 3^5 + 6^2 + 3^9 + 4^7 + 7^0$
$35378 := 3^1 + 5^3 + 3^4 + 7^4 + 8^5$	$35825 := 3^9 + 5^0 + 8^3 + 2^2 + 5^6$	$36348 := 3^4 + 6^4 + 3^7 + 4^2 + 8^5$
$35382 := 3^2 + 5^6 + 3^9 + 8^0 + 2^6$	$35829 := 3^9 + 5^6 + 8^1 + 2^9 + 9^0$	$36368 := 3^4 + 6^2 + 3^7 + 6^4 + 8^5$
$35390 := 3^4 + 5^6 + 3^9 + 9^0 + 0^1$	$35830 := 3^2 + 5^6 + 8^3 + 3^9 + 0^0$	$36382 := 3^1 + 6^4 + 3^7 + 8^5 + 2^7$
$35391 := 3^4 + 5^6 + 3^9 + 9^0 + 1^0$	$35845 := 3^5 + 5^6 + 8^4 + 4^4 + 5^6$	$36385 := 3^2 + 6^4 + 3^7 + 8^5 + 5^3$
$35392 := 3^4 + 5^6 + 3^9 + 9^0 + 2^1$	$35848 := 3^7 + 5^3 + 8^3 + 4^4 + 8^5$	$36412 := 3^9 + 6^3 + 4^7 + 1^0 + 2^7$
$35393 := 3^1 + 5^6 + 3^0 + 9^2 + 3^9$	$35870 := 3^9 + 5^6 + 8^3 + 7^2 + 0^0$	$36417 := 3^9 + 6^1 + 4^7 + 1^0 + 7^3$
$35394 := 3^4 + 5^6 + 3^9 + 9^0 + 4^1$	$35876 := 3^4 + 5^4 + 8^5 + 7^4 + 6^0$	$36427 := 3^9 + 6^0 + 4^7 + 2^4 + 7^3$
$35395 := 3^4 + 5^1 + 3^9 + 9^0 + 5^6$	$35885 := 3^3 + 5^6 + 8^3 + 8^4 + 5^6$	$36435 := 3^3 + 6^3 + 4^7 + 3^9 + 5^3$
$35396 := 3^4 + 5^6 + 3^9 + 9^0 + 6^1$	$35887 := 3^4 + 5^3 + 8^3 + 8^5 + 7^4$	$36437 := 3^8 + 6^5 + 4^2 + 3^9 + 7^4$
$35397 := 3^4 + 5^6 + 3^9 + 9^0 + 7^1$	$35898 := 3^1 + 5^5 + 8^0 + 9^0 + 8^5$	$36438 := 3^5 + 6^3 + 4^5 + 3^7 + 8^5$
$35398 := 3^4 + 5^6 + 3^9 + 9^0 + 8^1$	$35902 := 3^9 + 5^6 + 9^2 + 0^0 + 2^9$	$36447 := 3^9 + 6^2 + 4^0 + 4^7 + 7^3$
$35399 := 3^2 + 5^6 + 3^9 + 9^0 + 9^2$	$35930 := 3^8 + 5^5 + 9^4 + 3^9 + 0^1$	$36454 := 3^9 + 6^1 + 4^4 + 5^3 + 4^7$
$35435 := 3^9 + 5^3 + 4^0 + 3^0 + 5^6$	$35931 := 3^8 + 5^5 + 9^4 + 3^9 + 1^0$	$36457 := 3^9 + 6^3 + 4^7 + 5^3 + 7^2$
$35447 := 3^7 + 5^1 + 4^3 + 4^7 + 7^5$	$35932 := 3^8 + 5^5 + 9^4 + 3^9 + 2^1$	$36468 := 3^7 + 6^3 + 4^0 + 6^4 + 8^5$
$35450 := 3^9 + 5^3 + 4^2 + 5^6 + 0^0$	$35933 := 3^1 + 5^5 + 9^4 + 3^8 + 3^9$	$36473 := 3^3 + 6^2 + 4^7 + 7^3 + 3^9$
$35487 := 3^7 + 5^3 + 4^3 + 8^5 + 7^3$	$35934 := 3^8 + 5^5 + 9^4 + 3^9 + 4^1$	$36474 := 3^2 + 6^4 + 4^7 + 7^4 + 4^7$
$35488 := 3^7 + 5^1 + 4^2 + 8^3 + 8^5$	$35935 := 3^8 + 5^1 + 9^4 + 3^9 + 5^5$	$36478 := 3^2 + 6^4 + 4^1 + 7^4 + 8^5$
$35526 := 3^9 + 5^0 + 5^6 + 2^0 + 6^3$	$35936 := 3^8 + 5^5 + 9^4 + 3^9 + 6^1$	$36492 := 3^9 + 6^3 + 4^7 + 9^2 + 2^7$
$35553 := 3^5 + 5^0 + 5^0 + 5^6 + 3^9$	$35937 := 3^8 + 5^5 + 9^4 + 3^9 + 7^1$	$36497 := 3^9 + 6^1 + 4^7 + 9^2 + 7^3$
$35559 := 3^9 + 5^3 + 5^3 + 5^6 + 9^0$	$35938 := 3^2 + 5^5 + 9^1 + 3^3 + 8^5$	$36517 := 3^9 + 6^0 + 5^2 + 1^0 + 7^5$
$35562 := 3^9 + 5^3 + 5^6 + 6^0 + 2^7$	$35939 := 3^2 + 5^5 + 9^4 + 3^9 + 9^4$	$36544 := 3^9 + 6^3 + 5^1 + 4^4 + 4^7$
$35567 := 3^2 + 5^5 + 5^6 + 6^0 + 7^5$	$35978 := 3^1 + 5^5 + 9^2 + 7^0 + 8^5$	$36547 := 3^9 + 6^2 + 5^1 + 4^2 + 7^5$
$35572 := 3^9 + 5^0 + 5^6 + 7^1 + 2^8$	$35979 := 3^9 + 5^5 + 9^4 + 7^2 + 9^4$	$36549 := 3^9 + 6^3 + 5^6 + 4^5 + 9^0$
$35582 := 3^7 + 5^0 + 5^4 + 8^5 + 2^0$	$35984 := 3^2 + 5^5 + 9^2 + 8^5 + 4^0$	$36567 := 3^9 + 6^2 + 5^1 + 6^2 + 7^5$
$35586 := 3^7 + 5^1 + 5^4 + 8^5 + 6^0$	$35994 := 3^9 + 5^5 + 9^4 + 9^4 + 4^3$	$36568 := 3^5 + 6^3 + 5^5 + 6^3 + 8^5$
$35598 := 3^5 + 5^6 + 5^6 + 9^1 + 8^4$	$36074 := 3^9 + 6^1 + 0^1 + 7^0 + 4^7$	$36573 := 3^4 + 6^0 + 5^0 + 7^5 + 3^9$
$35625 := 3^9 + 5^2 + 6^2 + 2^8 + 5^6$	$36104 := 3^9 + 6^2 + 1^0 + 0^1 + 4^7$	$36597 := 3^9 + 6^0 + 5^2 + 9^2 + 7^5$
$35628 := 3^7 + 5^3 + 6^2 + 2^9 + 8^5$	$36234 := 3^1 + 6^2 + 2^7 + 3^9 + 4^7$	$36605 := 3^9 + 6^0 + 6^4 + 0^1 + 5^6$
$35633 := 3^4 + 5^6 + 6^0 + 3^5 + 3^9$	$36239 := 3^7 + 6^5 + 2^5 + 3^9 + 9^4$	$36637 := 3^8 + 6^3 + 6^5 + 3^9 + 7^4$
$35650 := 3^9 + 5^3 + 6^3 + 5^6 + 0^0$	$36258 := 3^7 + 6^4 + 2^1 + 5^1 + 8^5$	$36656 := 3^9 + 6^4 + 6^5 + 5^3 + 6^5$

$36657 := 3^9 + 6^1 + 6^2 + 5^3 + 7^5$	$37177 := 3^9 + 7^3 + 1^0 + 7^3 + 7^5$	$37648 := 3^6 + 7^2 + 6^1 + 4^6 + 8^5$
$36693 := 3^6 + 6^5 + 6^5 + 9^3 + 3^9$	$37223 := 3^6 + 7^5 + 2^1 + 2^1 + 3^9$	$37663 := 3^3 + 7^4 + 6^5 + 6^5 + 3^9$
$36707 := 3^9 + 6^3 + 7^0 + 0^1 + 7^5$	$37226 := 3^9 + 7^5 + 2^3 + 2^9 + 6^3$	$37687 := 3^4 + 7^4 + 6^2 + 8^5 + 7^4$
$36708 := 3^5 + 6^4 + 7^4 + 0^1 + 8^5$	$37229 := 3^9 + 7^5 + 2^1 + 2^3 + 9^3$	$37714 := 3^1 + 7^5 + 7^5 + 1^0 + 4^6$
$36722 := 3^9 + 6^3 + 7^5 + 2^3 + 2^3$	$37236 := 3^6 + 7^5 + 2^4 + 3^9 + 6^0$	$37732 := 3^6 + 7^0 + 7^5 + 3^9 + 2^9$
$36723 := 3^2 + 6^3 + 7^5 + 2^3 + 3^9$	$37243 := 3^6 + 7^5 + 2^3 + 4^2 + 3^9$	$37738 := 3^3 + 7^5 + 7^5 + 3^0 + 8^4$
$36724 := 3^9 + 6^3 + 7^5 + 2^1 + 4^2$	$37248 := 3^2 + 7^3 + 2^5 + 4^6 + 8^5$	$37759 := 3^9 + 7^2 + 7^4 + 5^6 + 9^0$
$36734 := 3^3 + 6^3 + 7^5 + 3^9 + 4^0$	$37258 := 3^6 + 7^5 + 2^0 + 5^6 + 8^4$	$37794 := 3^1 + 7^5 + 7^5 + 9^2 + 4^6$
$36735 := 3^5 + 6^0 + 7^5 + 3^9 + 5^0$	$37263 := 3^6 + 7^5 + 2^3 + 6^2 + 3^9$	$37796 := 3^9 + 7^0 + 7^5 + 9^1 + 6^4$
$36742 := 3^9 + 6^3 + 7^5 + 4^1 + 2^5$	$37264 := 3^9 + 7^5 + 2^9 + 6^1 + 4^4$	$37826 := 3^9 + 7^5 + 8^1 + 2^5 + 6^4$
$36743 := 3^5 + 6^1 + 7^5 + 4^1 + 3^9$	$37267 := 3^9 + 7^2 + 2^9 + 6^3 + 7^5$	$37827 := 3^7 + 7^3 + 8^5 + 2^7 + 7^4$
$36746 := 3^9 + 6^2 + 7^5 + 4^1 + 6^3$	$37284 := 3^5 + 7^2 + 2^7 + 8^5 + 4^6$	$37843 := 3^5 + 7^1 + 8^5 + 4^6 + 3^6$
$36748 := 3^3 + 6^4 + 7^4 + 4^4 + 8^5$	$37332 := 3^4 + 7^5 + 3^6 + 3^9 + 2^5$	$37867 := 3^4 + 7^4 + 8^5 + 6^3 + 7^4$
$36752 := 3^9 + 6^0 + 7^5 + 5^1 + 2^8$	$37336 := 3^4 + 7^5 + 3^6 + 3^9 + 6^2$	$37884 := 3^7 + 7^4 + 8^3 + 8^5 + 4^2$
$36789 := 3^5 + 6^4 + 7^4 + 8^5 + 9^2$	$37345 := 3^6 + 7^5 + 3^9 + 4^0 + 5^3$	$37949 := 3^9 + 7^5 + 9^3 + 4^0 + 9^3$
$36837 := 3^5 + 6^4 + 8^5 + 3^7 + 7^3$	$37352 := 3^6 + 7^5 + 3^9 + 5^1 + 2^7$	$37953 := 3^5 + 7^4 + 9^0 + 5^6 + 3^9$
$36845 := 3^9 + 6^0 + 8^3 + 4^5 + 5^6$	$37353 := 3^2 + 7^5 + 3^6 + 5^3 + 3^9$	$37997 := 3^9 + 7^2 + 9^3 + 9^3 + 7^5$
$36854 := 3^6 + 6^3 + 8^5 + 5^5 + 4^2$	$37358 := 3^6 + 7^1 + 3^6 + 5^5 + 8^5$	$38145 := 3^7 + 8^5 + 1^0 + 4^3 + 5^5$
$36874 := 3^1 + 6^1 + 8^5 + 7^0 + 4^6$	$37359 := 3^5 + 7^5 + 3^9 + 5^4 + 9^0$	$38164 := 3^1 + 8^5 + 1^0 + 6^4 + 4^6$
$36877 := 3^9 + 6^2 + 8^1 + 7^3 + 7^5$	$37372 := 3^3 + 7^3 + 3^9 + 7^5 + 2^9$	$38235 := 3^3 + 8^5 + 2^7 + 3^7 + 5^5$
$36880 := 3^2 + 6^1 + 8^4 + 8^5 + 0^0$	$37384 := 3^3 + 7^4 + 3^7 + 8^5 + 4^0$	$38257 := 3^7 + 8^5 + 2^7 + 5^5 + 7^2$
$36882 := 3^2 + 6^0 + 8^4 + 8^5 + 2^3$	$37393 := 3^7 + 7^4 + 3^8 + 9^4 + 3^9$	$38324 := 3^6 + 8^5 + 3^6 + 2^1 + 4^6$
$36883 := 3^2 + 6^0 + 8^4 + 8^5 + 3^2$	$37424 := 3^2 + 7^5 + 4^6 + 2^7 + 4^7$	$38325 := 3^5 + 8^5 + 3^7 + 2^1 + 5^5$
$36884 := 3^1 + 6^0 + 8^4 + 8^5 + 4^2$	$37428 := 3^1 + 7^2 + 4^6 + 2^9 + 8^5$	$38343 := 3^4 + 8^1 + 3^7 + 4^7 + 3^9$
$36898 := 3^3 + 6^1 + 8^4 + 9^0 + 8^5$	$37436 := 3^6 + 7^5 + 4^0 + 3^9 + 6^3$	$38345 := 3^2 + 8^5 + 3^7 + 4^4 + 5^5$
$36980 := 3^7 + 6^4 + 9^3 + 8^5 + 0^1$	$37438 := 3^4 + 7^4 + 4^0 + 3^7 + 8^5$	$38348 := 3^5 + 8^3 + 3^6 + 4^6 + 8^5$
$36981 := 3^7 + 6^4 + 9^3 + 8^5 + 1^0$	$37442 := 3^3 + 7^5 + 4^6 + 4^7 + 2^7$	$38349 := 3^3 + 8^5 + 3^6 + 4^6 + 9^3$
$36982 := 3^7 + 6^4 + 9^3 + 8^5 + 2^1$	$37443 := 3^2 + 7^3 + 4^5 + 4^7 + 3^9$	$38383 := 3^6 + 8^3 + 3^7 + 8^5 + 3^7$
$36983 := 3^1 + 6^4 + 9^3 + 8^5 + 3^7$	$37449 := 3^4 + 7^5 + 4^6 + 4^7 + 9^2$	$38456 := 3^5 + 8^5 + 4^5 + 5^5 + 6^4$
$36984 := 3^1 + 6^2 + 9^2 + 8^5 + 4^6$	$37482 := 3^5 + 7^3 + 4^6 + 8^5 + 2^5$	$38470 := 3^9 + 8^0 + 4^7 + 7^4 + 0^0$
$36985 := 3^7 + 6^4 + 9^3 + 8^5 + 5^1$	$37483 := 3^6 + 7^5 + 4^4 + 8^1 + 3^9$	$38474 := 3^5 + 8^5 + 4^5 + 7^3 + 4^6$
$36986 := 3^7 + 6^1 + 9^3 + 8^5 + 6^4$	$37484 := 3^7 + 7^4 + 4^3 + 8^5 + 4^3$	$38477 := 3^9 + 8^1 + 4^7 + 7^0 + 7^4$
$36987 := 3^7 + 6^4 + 9^3 + 8^5 + 7^1$	$37485 := 3^7 + 7^4 + 4^1 + 8^5 + 5^3$	$38563 := 3^7 + 8^5 + 5^3 + 6^4 + 3^7$
$36988 := 3^7 + 6^4 + 9^3 + 8^1 + 8^5$	$37486 := 3^5 + 7^3 + 4^6 + 8^5 + 6^2$	$38566 := 3^4 + 8^5 + 5^5 + 6^4 + 6^4$
$36989 := 3^7 + 6^4 + 9^1 + 8^5 + 9^3$	$37503 := 3^7 + 7^1 + 5^6 + 0^0 + 3^9$	$38657 := 3^7 + 8^5 + 6^4 + 5^1 + 7^4$
$37002 := 3^9 + 7^5 + 0^1 + 0^1 + 2^9$	$37540 := 3^9 + 7^5 + 5^2 + 4^5 + 0^0$	$38746 := 3^5 + 8^5 + 7^3 + 4^6 + 6^4$
$37045 := 3^6 + 7^5 + 0^1 + 4^7 + 5^5$	$37578 := 3^1 + 7^4 + 5^1 + 7^4 + 8^5$	$38834 := 3^6 + 8^3 + 8^5 + 3^6 + 4^6$
$37083 := 3^4 + 7^5 + 0^1 + 8^3 + 3^9$	$37645 := 3^9 + 7^5 + 6^1 + 4^5 + 5^3$	$38835 := 3^5 + 8^3 + 8^5 + 3^7 + 5^5$

$$\begin{aligned}
39075 &:= 3^4 + 9^4 + 0^0 + 7^5 + 5^6 & 39632 &:= 3^9 + 9^1 + 6^0 + 3^9 + 2^8 & 42863 &:= 4^1 + 2^7 + 8^5 + 6^5 + 3^7 \\
39338 &:= 3^1 + 9^4 + 3^1 + 3^1 + 8^5 & 39648 &:= 3^3 + 9^4 + 6^2 + 4^4 + 8^5 & 42866 &:= 4^5 + 2^1 + 8^5 + 6^4 + 6^5 \\
39348 &:= 3^2 + 9^1 + 3^8 + 4^0 + 8^5 & 39682 &:= 3^2 + 9^4 + 6^3 + 8^5 + 2^7 & 42973 &:= 4^7 + 2^1 + 9^4 + 7^3 + 3^9 \\
39354 &:= 3^4 + 9^2 + 3^9 + 5^5 + 4^7 & 39687 &:= 3^2 + 9^4 + 6^1 + 8^5 + 7^3 & 43148 &:= 4^6 + 3^7 + 1^0 + 4^6 + 8^5 \\
39358 &:= 3^1 + 9^0 + 3^8 + 5^2 + 8^5 & 39689 &:= 3^5 + 9^2 + 6^2 + 8^5 + 9^4 & 43307 &:= 4^4 + 3^8 + 3^9 + 0^1 + 7^5 \\
39369 &:= 3^9 + 9^0 + 3^9 + 6^0 + 9^0 & 39734 &:= 3^9 + 9^1 + 7^3 + 3^9 + 4^2 & 43363 &:= 4^7 + 3^6 + 3^8 + 6^1 + 3^9 \\
39372 &:= 3^9 + 9^0 + 3^9 + 7^0 + 2^2 & 39735 &:= 3^9 + 9^0 + 7^3 + 3^9 + 5^2 & 43383 &:= 4^7 + 3^5 + 3^8 + 8^3 + 3^9 \\
39373 &:= 3^8 + 9^4 + 3^8 + 7^1 + 3^9 & 39752 &:= 3^9 + 9^1 + 7^5 + 5^5 + 2^7 & 43428 &:= 4^6 + 3^8 + 4^0 + 2^1 + 8^5 \\
39375 &:= 3^9 + 9^0 + 3^9 + 7^1 + 5^0 & 39754 &:= 3^8 + 9^0 + 7^5 + 5^0 + 4^7 & 43434 &:= 4^6 + 3^2 + 4^7 + 3^8 + 4^7 \\
39377 &:= 3^9 + 9^1 + 3^9 + 7^0 + 7^0 & 39758 &:= 3^4 + 9^4 + 7^3 + 5^1 + 8^5 & 43438 &:= 4^1 + 3^2 + 4^6 + 3^8 + 8^5 \\
39384 &:= 3^3 + 9^4 + 3^3 + 8^5 + 4^0 & 39823 &:= 3^5 + 9^4 + 8^5 + 2^3 + 3^5 & 43473 &:= 4^1 + 3^9 + 4^6 + 7^1 + 3^9 \\
39392 &:= 3^9 + 9^0 + 3^9 + 9^1 + 2^4 & 39825 &:= 3^5 + 9^4 + 8^5 + 2^7 + 5^3 & 43474 &:= 4^6 + 3^8 + 4^7 + 7^2 + 4^7 \\
39393 &:= 3^2 + 9^1 + 3^9 + 9^1 + 3^9 & 39827 &:= 3^3 + 9^4 + 8^5 + 2^7 + 7^3 & 43478 &:= 4^1 + 3^8 + 4^6 + 7^2 + 8^5 \\
39405 &:= 3^9 + 9^0 + 4^6 + 0^1 + 5^6 & 39829 &:= 3^5 + 9^0 + 8^5 + 2^8 + 9^4 & 43498 &:= 4^3 + 3^2 + 4^6 + 9^4 + 8^5 \\
39423 &:= 3^9 + 9^1 + 4^2 + 2^5 + 3^9 & 39842 &:= 3^8 + 9^0 + 8^5 + 4^4 + 2^8 & 43523 &:= 4^5 + 3^9 + 5^5 + 2^3 + 3^9 \\
39428 &:= 3^1 + 9^4 + 4^3 + 2^5 + 8^5 & 39844 &:= 3^1 + 9^4 + 8^3 + 4^7 + 4^7 & 43544 &:= 4^4 + 3^9 + 5^5 + 4^6 + 4^7 \\
39432 &:= 3^9 + 9^0 + 4^0 + 3^9 + 2^6 & 39848 &:= 3^1 + 9^4 + 8^3 + 4^1 + 8^5 & 43582 &:= 4^6 + 3^8 + 5^3 + 8^5 + 2^5 \\
39438 &:= 3^3 + 9^2 + 4^0 + 3^8 + 8^5 & 39864 &:= 3^5 + 9^4 + 8^5 + 6^2 + 4^4 & 43586 &:= 4^6 + 3^8 + 5^3 + 8^5 + 6^2 \\
39442 &:= 3^4 + 9^4 + 4^7 + 4^7 + 2^5 & 39869 &:= 3^5 + 9^2 + 8^5 + 6^3 + 9^4 & 43674 &:= 4^7 + 3^6 + 6^5 + 7^4 + 4^7 \\
39443 &:= 3^9 + 9^1 + 4^1 + 4^3 + 3^9 & 39882 &:= 3^2 + 9^4 + 8^3 + 8^5 + 2^5 & 43678 &:= 4^1 + 3^6 + 6^5 + 7^4 + 8^5 \\
39446 &:= 3^4 + 9^4 + 4^7 + 4^7 + 6^2 & 39884 &:= 3^3 + 9^4 + 8^3 + 8^5 + 4^2 & 43682 &:= 4^6 + 3^8 + 6^0 + 8^5 + 2^8 \\
39453 &:= 3^9 + 9^2 + 4^0 + 5^1 + 3^9 & 39886 &:= 3^2 + 9^4 + 8^3 + 8^5 + 6^2 & 43784 &:= 4^2 + 3^8 + 7^3 + 8^5 + 4^6 \\
39458 &:= 3^1 + 9^4 + 4^0 + 5^3 + 8^5 & 39958 &:= 3^1 + 9^0 + 9^4 + 5^4 + 8^5 & 43836 &:= 4^5 + 3^4 + 8^5 + 3^7 + 6^5 \\
39469 &:= 3^7 + 9^4 + 4^7 + 6^5 + 9^4 & 40358 &:= 4^5 + 0^1 + 3^8 + 5^1 + 8^5 & 43856 &:= 4^7 + 3^9 + 8^1 + 5^1 + 6^5 \\
39482 &:= 3^2 + 9^4 + 4^2 + 8^5 + 2^7 & 40546 &:= 4^7 + 0^0 + 5^0 + 4^7 + 6^5 & 43926 &:= 4^7 + 3^9 + 9^2 + 2^1 + 6^5 \\
39483 &:= 3^2 + 9^2 + 4^3 + 8^5 + 3^8 & 40586 &:= 4^2 + 0^0 + 5^2 + 8^5 + 6^5 & 43983 &:= 4^6 + 3^9 + 9^1 + 8^3 + 3^9 \\
39484 &:= 3^3 + 9^4 + 4^3 + 8^5 + 4^3 & 40608 &:= 4^3 + 0^1 + 6^5 + 0^1 + 8^5 & 44085 &:= 4^6 + 4^6 + 0^1 + 8^5 + 5^5 \\
39485 &:= 3^3 + 9^4 + 4^1 + 8^5 + 5^3 & 40685 &:= 4^2 + 0^1 + 6^5 + 8^5 + 5^3 & 44449 &:= 4^5 + 4^6 + 4^7 + 4^7 + 9^4 \\
39532 &:= 3^9 + 9^1 + 5^3 + 3^9 + 2^5 & 40689 &:= 4^3 + 0^1 + 6^4 + 8^5 + 9^4 & 44640 &:= 4^6 + 4^7 + 6^5 + 4^7 + 0^1 \\
39533 &:= 3^4 + 9^2 + 5^1 + 3^9 + 3^9 & 40733 &:= 4^5 + 0^1 + 7^3 + 3^9 + 3^9 & 44641 &:= 4^6 + 4^7 + 6^5 + 4^7 + 1^0 \\
39536 &:= 3^9 + 9^1 + 5^3 + 3^9 + 6^2 & 40864 &:= 4^3 + 0^1 + 8^5 + 6^5 + 4^4 & 44642 &:= 4^6 + 4^7 + 6^5 + 4^7 + 2^1 \\
39538 &:= 3^1 + 9^2 + 5^3 + 3^8 + 8^5 & 40893 &:= 4^7 + 0^0 + 8^4 + 9^3 + 3^9 & 44643 &:= 4^6 + 4^7 + 6^5 + 4^7 + 3^1 \\
39573 &:= 3^9 + 9^2 + 5^3 + 7^0 + 3^9 & 40976 &:= 4^7 + 0^1 + 9^1 + 7^5 + 6^5 & 44644 &:= 4^1 + 4^6 + 6^5 + 4^7 + 4^7 \\
39578 &:= 3^5 + 9^4 + 5^1 + 7^0 + 8^5 & 41697 &:= 4^7 + 1^0 + 6^5 + 9^3 + 7^5 & 44645 &:= 4^6 + 4^7 + 6^5 + 4^7 + 5^1 \\
39598 &:= 3^5 + 9^0 + 5^2 + 9^4 + 8^5 & 41987 &:= 4^4 + 1^0 + 9^4 + 8^5 + 7^4 & 44646 &:= 4^6 + 4^7 + 6^1 + 4^7 + 6^5 \\
39608 &:= 3^5 + 9^4 + 6^2 + 0^1 + 8^5 & 42598 &:= 4^2 + 2^7 + 5^5 + 9^4 + 8^5 & 44647 &:= 4^6 + 4^7 + 6^5 + 4^7 + 7^1 \\
39623 &:= 3^9 + 9^1 + 6^3 + 2^5 + 3^9 & 42633 &:= 4^7 + 2^2 + 6^0 + 3^8 + 3^9 & 44648 &:= 4^1 + 4^1 + 6^5 + 4^6 + 8^5 \\
39628 &:= 3^4 + 9^4 + 6^3 + 2^1 + 8^5 & 42693 &:= 4^7 + 2^6 + 6^0 + 9^4 + 3^9 & 44649 &:= 4^6 + 4^7 + 6^5 + 4^7 + 9^1
\end{aligned}$$

$$\begin{aligned}
44683 &:= 4^2 + 4^6 + 6^5 + 8^5 + 3^3 & 46734 &:= 4^1 + 6^6 + 7^0 + 3^2 + 4^3 & 46809 &:= 4^3 + 6^6 + 8^1 + 0^1 + 9^2 \\
44735 &:= 4^5 + 4^6 + 7^5 + 3^9 + 5^5 & 46735 &:= 4^1 + 6^6 + 7^2 + 3^0 + 5^2 & 46823 &:= 4^1 + 6^6 + 8^1 + 2^7 + 3^3 \\
45583 &:= 4^1 + 5^5 + 5^5 + 8^5 + 3^8 & 46736 &:= 4^2 + 6^1 + 7^2 + 3^2 + 6^6 & 46824 &:= 4^2 + 6^6 + 8^1 + 2^7 + 4^2 \\
45835 &:= 4^4 + 5^5 + 8^5 + 3^8 + 5^5 & 46737 &:= 4^1 + 6^6 + 7^0 + 3^3 + 7^2 & 46825 &:= 4^1 + 6^6 + 8^1 + 2^5 + 5^3 \\
45879 &:= 4^5 + 5^5 + 8^5 + 7^4 + 9^4 & 46738 &:= 4^2 + 6^6 + 7^0 + 3^0 + 8^2 & 46843 &:= 4^2 + 6^5 + 8^5 + 4^6 + 3^7 \\
45899 &:= 4^1 + 5^1 + 8^5 + 9^4 + 9^4 & 46739 &:= 4^2 + 6^6 + 7^2 + 3^2 + 9^1 & 46849 &:= 4^3 + 6^6 + 8^2 + 4^3 + 9^0 \\
46372 &:= 4^7 + 6^5 + 3^9 + 7^4 + 2^7 & 46742 &:= 4^1 + 6^6 + 7^2 + 4^0 + 2^5 & 46850 &:= 4^1 + 6^6 + 8^2 + 5^3 + 0^0 \\
46373 &:= 4^7 + 6^5 + 3^7 + 7^3 + 3^9 & 46743 &:= 4^1 + 6^6 + 7^0 + 4^0 + 3^4 & 46854 &:= 4^3 + 6^6 + 8^1 + 5^3 + 4^0 \\
46663 &:= 4^1 + 6^0 + 6^0 + 6^6 + 3^0 & 46744 &:= 4^2 + 6^6 + 7^1 + 4^0 + 4^3 & 46862 &:= 4^3 + 6^1 + 8^1 + 6^6 + 2^7 \\
46668 &:= 4^1 + 6^0 + 6^1 + 6^6 + 8^0 & 46746 &:= 4^1 + 6^2 + 7^2 + 4^0 + 6^6 & 46863 &:= 4^6 + 6^2 + 8^5 + 6^5 + 3^7 \\
46672 &:= 4^1 + 6^0 + 6^6 + 7^1 + 2^2 & 46749 &:= 4^1 + 6^6 + 7^1 + 4^0 + 9^2 & 46913 &:= 4^1 + 6^6 + 9^1 + 1^0 + 3^5 \\
46674 &:= 4^1 + 6^1 + 6^6 + 7^1 + 4^0 & 46753 &:= 4^1 + 6^6 + 7^1 + 5^1 + 3^4 & 46915 &:= 4^4 + 6^6 + 9^0 + 1^0 + 5^0 \\
46675 &:= 4^2 + 6^0 + 6^6 + 7^0 + 5^0 & 46759 &:= 4^2 + 6^6 + 7^0 + 5^1 + 9^2 & 46922 &:= 4^4 + 6^6 + 9^0 + 2^0 + 2^3 \\
46680 &:= 4^2 + 6^1 + 6^6 + 8^0 + 0^0 & 46764 &:= 4^3 + 6^2 + 7^1 + 6^6 + 4^0 & 46923 &:= 4^4 + 6^6 + 9^0 + 2^0 + 3^2 \\
46682 &:= 4^1 + 6^1 + 6^6 + 8^1 + 2^3 & 46770 &:= 4^2 + 6^6 + 7^2 + 7^2 + 0^1 & 46924 &:= 4^4 + 6^6 + 9^1 + 2^1 + 4^0 \\
46683 &:= 4^1 + 6^1 + 6^6 + 8^1 + 3^2 & 46771 &:= 4^2 + 6^6 + 7^2 + 7^2 + 1^0 & 46926 &:= 4^1 + 6^0 + 9^1 + 2^8 + 6^6 \\
46687 &:= 4^2 + 6^1 + 6^6 + 8^1 + 7^0 & 46772 &:= 4^2 + 6^6 + 7^2 + 7^2 + 2^1 & 46930 &:= 4^4 + 6^6 + 9^1 + 3^2 + 0^1 \\
46695 &:= 4^1 + 6^0 + 6^6 + 9^1 + 5^2 & 46773 &:= 4^2 + 6^6 + 7^2 + 7^2 + 3^1 & 46931 &:= 4^4 + 6^6 + 9^1 + 3^2 + 1^0 \\
46698 &:= 4^1 + 6^2 + 6^6 + 9^0 + 8^0 & 46774 &:= 4^1 + 6^6 + 7^0 + 7^2 + 4^3 & 46932 &:= 4^2 + 6^6 + 9^0 + 3^1 + 2^8 \\
46705 &:= 4^2 + 6^6 + 7^1 + 0^0 + 5^2 & 46775 &:= 4^2 + 6^6 + 7^2 + 7^2 + 5^1 & 46933 &:= 4^2 + 6^6 + 9^1 + 3^2 + 3^5 \\
46710 &:= 4^1 + 6^6 + 7^2 + 1^0 + 0^1 & 46776 &:= 4^2 + 6^1 + 7^2 + 7^2 + 6^6 & 46934 &:= 4^1 + 6^6 + 9^1 + 3^2 + 4^4 \\
46711 &:= 4^1 + 6^6 + 7^2 + 1^0 + 1^0 & 46777 &:= 4^2 + 6^6 + 7^1 + 7^2 + 7^2 & 46935 &:= 4^3 + 6^6 + 9^1 + 3^4 + 5^3 \\
46712 &:= 4^1 + 6^6 + 7^2 + 1^0 + 2^1 & 46778 &:= 4^2 + 6^6 + 7^2 + 7^2 + 8^1 & 46936 &:= 4^4 + 6^1 + 9^1 + 3^2 + 6^6 \\
46713 &:= 4^1 + 6^6 + 7^2 + 1^0 + 3^1 & 46779 &:= 4^2 + 6^6 + 7^2 + 7^2 + 9^1 & 46937 &:= 4^4 + 6^6 + 9^1 + 3^2 + 7^1 \\
46714 &:= 4^1 + 6^6 + 7^2 + 1^0 + 4^1 & 46786 &:= 4^2 + 6^0 + 7^2 + 8^2 + 6^6 & 46938 &:= 4^4 + 6^6 + 9^1 + 3^2 + 8^1 \\
46715 &:= 4^1 + 6^6 + 7^2 + 1^0 + 5^1 & 46790 &:= 4^1 + 6^6 + 7^2 + 9^2 + 0^1 & 46939 &:= 4^4 + 6^6 + 9^1 + 3^2 + 9^1 \\
46716 &:= 4^1 + 6^1 + 7^2 + 1^0 + 6^6 & 46791 &:= 4^1 + 6^6 + 7^2 + 9^2 + 1^0 & 46946 &:= 4^3 + 6^3 + 9^1 + 4^0 + 6^6 \\
46717 &:= 4^1 + 6^6 + 7^1 + 1^0 + 7^2 & 46792 &:= 4^1 + 6^6 + 7^2 + 9^2 + 2^1 & 46953 &:= 4^3 + 6^6 + 9^2 + 5^3 + 3^3 \\
46718 &:= 4^1 + 6^6 + 7^2 + 1^0 + 8^1 & 46793 &:= 4^1 + 6^6 + 7^2 + 9^2 + 3^1 & 46954 &:= 4^2 + 6^6 + 9^0 + 5^2 + 4^4 \\
46719 &:= 4^1 + 6^6 + 7^2 + 1^0 + 9^1 & 46794 &:= 4^1 + 6^6 + 7^2 + 9^2 + 4^1 & 46959 &:= 4^2 + 6^6 + 9^2 + 5^3 + 9^2 \\
46723 &:= 4^2 + 6^6 + 7^2 + 2^0 + 3^0 & 46795 &:= 4^1 + 6^6 + 7^0 + 9^1 + 5^3 & 46970 &:= 4^4 + 6^6 + 9^1 + 7^2 + 0^1 \\
46724 &:= 4^2 + 6^6 + 7^2 + 2^1 + 4^0 & 46796 &:= 4^1 + 6^1 + 7^2 + 9^2 + 6^6 & 46971 &:= 4^4 + 6^6 + 9^1 + 7^2 + 1^0 \\
46726 &:= 4^1 + 6^0 + 7^0 + 2^6 + 6^6 & 46797 &:= 4^1 + 6^6 + 7^1 + 9^2 + 7^2 & 46972 &:= 4^4 + 6^6 + 9^1 + 7^2 + 2^1 \\
46729 &:= 4^3 + 6^6 + 7^1 + 2^0 + 9^0 & 46798 &:= 4^1 + 6^6 + 7^2 + 9^2 + 8^1 & 46973 &:= 4^2 + 6^6 + 9^1 + 7^2 + 3^5 \\
46730 &:= 4^2 + 6^6 + 7^2 + 3^2 + 0^1 & 46799 &:= 4^1 + 6^6 + 7^2 + 9^1 + 9^2 & 46974 &:= 4^1 + 6^6 + 9^1 + 7^2 + 4^4 \\
46731 &:= 4^2 + 6^6 + 7^2 + 3^2 + 1^0 & 46802 &:= 4^2 + 6^6 + 8^0 + 0^0 + 2^7 & 46975 &:= 4^3 + 6^6 + 9^2 + 7^2 + 5^3 \\
46732 &:= 4^1 + 6^6 + 7^1 + 3^0 + 2^6 & 46803 &:= 4^3 + 6^6 + 8^0 + 0^0 + 3^4 & 46976 &:= 4^2 + 6^3 + 9^2 + 7^1 + 6^6 \\
46733 &:= 4^2 + 6^6 + 7^1 + 3^3 + 3^3 & 46805 &:= 4^2 + 6^6 + 8^1 + 0^1 + 5^3 & 46977 &:= 4^4 + 6^6 + 9^1 + 7^1 + 7^2
\end{aligned}$$

$$\begin{aligned}
46978 &:= 4^4 + 6^6 + 9^0 + 7^0 + 8^2 & 47691 &:= 4^4 + 7^2 + 6^6 + 9^3 + 1^0 & 48650 &:= 4^4 + 8^5 + 6^0 + 5^6 + 0^1 \\
46979 &:= 4^4 + 6^6 + 9^1 + 7^2 + 9^1 & 47692 &:= 4^4 + 7^2 + 6^6 + 9^3 + 2^1 & 48651 &:= 4^4 + 8^5 + 6^0 + 5^6 + 1^0 \\
46986 &:= 4^4 + 6^0 + 9^1 + 8^2 + 6^6 & 47693 &:= 4^2 + 7^2 + 6^6 + 9^3 + 3^5 & 48652 &:= 4^4 + 8^5 + 6^0 + 5^6 + 2^1 \\
46993 &:= 4^1 + 6^6 + 9^1 + 9^2 + 3^5 & 47694 &:= 4^1 + 7^0 + 6^6 + 9^1 + 4^5 & 48653 &:= 4^2 + 8^5 + 6^0 + 5^6 + 3^5 \\
46994 &:= 4^3 + 6^6 + 9^1 + 9^1 + 4^4 & 47695 &:= 4^4 + 7^2 + 6^6 + 9^3 + 5^1 & 48654 &:= 4^1 + 8^5 + 6^0 + 5^6 + 4^4 \\
46995 &:= 4^4 + 6^6 + 9^0 + 9^2 + 5^0 & 47696 &:= 4^4 + 7^2 + 6^1 + 9^3 + 6^6 & 48655 &:= 4^4 + 8^5 + 6^0 + 5^1 + 5^6 \\
47016 &:= 4^2 + 7^3 + 0^1 + 1^0 + 6^6 & 47697 &:= 4^4 + 7^1 + 6^6 + 9^3 + 7^2 & 48656 &:= 4^4 + 8^5 + 6^0 + 5^6 + 6^1 \\
47026 &:= 4^3 + 7^2 + 0^0 + 2^8 + 6^6 & 47698 &:= 4^4 + 7^2 + 6^6 + 9^3 + 8^1 & 48657 &:= 4^4 + 8^5 + 6^0 + 5^6 + 7^1 \\
47064 &:= 4^3 + 7^3 + 0^1 + 6^6 + 4^0 & 47699 &:= 4^4 + 7^2 + 6^6 + 9^1 + 9^3 & 48658 &:= 4^4 + 8^1 + 6^0 + 5^6 + 8^5 \\
47065 &:= 4^3 + 7^3 + 0^0 + 6^6 + 5^0 & 47726 &:= 4^4 + 7^3 + 7^3 + 2^7 + 6^6 & 48659 &:= 4^4 + 8^5 + 6^0 + 5^6 + 9^1 \\
47068 &:= 4^1 + 7^3 + 0^0 + 6^6 + 8^2 & 47746 &:= 4^2 + 7^0 + 7^2 + 4^5 + 6^6 & 48664 &:= 4^4 + 8^3 + 6^3 + 6^6 + 4^5 \\
47096 &:= 4^2 + 7^3 + 0^1 + 9^2 + 6^6 & 47762 &:= 4^5 + 7^0 + 7^2 + 6^6 + 2^5 & 48667 &:= 4^1 + 8^5 + 6^5 + 6^5 + 7^3 \\
47163 &:= 4^4 + 7^1 + 1^0 + 6^6 + 3^5 & 47763 &:= 4^5 + 7^0 + 7^0 + 6^6 + 3^4 & 48753 &:= 4^2 + 8^5 + 7^3 + 5^6 + 3^0 \\
47186 &:= 4^2 + 7^0 + 1^0 + 8^3 + 6^6 & 47766 &:= 4^5 + 7^0 + 7^2 + 6^2 + 6^6 & 48863 &:= 4^1 + 8^1 + 8^1 + 6^6 + 3^7 \\
47236 &:= 4^2 + 7^2 + 2^9 + 3^1 + 6^6 & 47768 &:= 4^4 + 7^0 + 7^3 + 6^6 + 8^3 & 48936 &:= 4^1 + 8^1 + 9^2 + 3^7 + 6^6 \\
47256 &:= 4^1 + 7^3 + 2^7 + 5^3 + 6^6 & 47769 &:= 4^5 + 7^0 + 7^1 + 6^6 + 9^2 & 49168 &:= 4^7 + 9^1 + 1^0 + 6^1 + 8^5 \\
47260 &:= 4^1 + 7^3 + 2^8 + 6^6 + 0^0 & 47786 &:= 4^5 + 7^2 + 7^2 + 8^1 + 6^6 & 49218 &:= 4^7 + 9^0 + 2^6 + 1^0 + 8^5 \\
47264 &:= 4^4 + 7^3 + 2^3 + 6^6 + 4^0 & 47944 &:= 4^6 + 7^5 + 9^4 + 4^6 + 4^7 & 49236 &:= 4^4 + 9^1 + 2^7 + 3^7 + 6^6 \\
47296 &:= 4^4 + 7^3 + 2^5 + 9^1 + 6^6 & 47946 &:= 4^4 + 7^0 + 9^1 + 4^5 + 6^6 & 49238 &:= 4^7 + 9^0 + 2^2 + 3^4 + 8^5 \\
47306 &:= 4^3 + 7^3 + 3^5 + 0^1 + 6^6 & 47962 &:= 4^2 + 7^2 + 9^3 + 6^6 + 2^9 & 49282 &:= 4^7 + 9^0 + 2^0 + 8^5 + 2^7 \\
47346 &:= 4^3 + 7^3 + 3^3 + 4^4 + 6^6 & 47966 &:= 4^1 + 7^0 + 9^1 + 6^4 + 6^6 & 49298 &:= 4^7 + 9^0 + 2^6 + 9^2 + 8^5 \\
47362 &:= 4^3 + 7^2 + 3^4 + 6^6 + 2^9 & 47967 &:= 4^2 + 7^5 + 9^4 + 6^5 + 7^5 & 49364 &:= 4^4 + 9^1 + 3^7 + 6^6 + 4^4 \\
47363 &:= 4^4 + 7^3 + 3^3 + 6^6 + 3^4 & 47968 &:= 4^3 + 7^1 + 9^3 + 6^6 + 8^3 & 49368 &:= 4^1 + 9^1 + 3^7 + 6^6 + 8^3 \\
47367 &:= 4^2 + 7^3 + 3^2 + 6^6 + 7^3 & 48226 &:= 4^5 + 8^3 + 2^1 + 2^5 + 6^6 & 49385 &:= 4^7 + 9^2 + 3^3 + 8^5 + 5^3 \\
47368 &:= 4^4 + 7^1 + 3^8 + 6^5 + 8^5 & 48264 &:= 4^3 + 8^1 + 2^9 + 6^6 + 4^5 & 49386 &:= 4^7 + 9^1 + 3^2 + 8^5 + 6^3 \\
47426 &:= 4^4 + 7^0 + 4^0 + 2^9 + 6^6 & 48333 &:= 4^4 + 8^5 + 3^7 + 3^8 + 3^8 & 49418 &:= 4^4 + 9^1 + 4^7 + 1^0 + 8^5 \\
47563 &:= 4^1 + 7^2 + 5^3 + 6^6 + 3^6 & 48396 &:= 4^4 + 8^3 + 3^5 + 9^3 + 6^6 & 49436 &:= 4^4 + 9^2 + 4^4 + 3^7 + 6^6 \\
47633 &:= 4^1 + 7^0 + 6^6 + 3^5 + 3^6 & 48436 &:= 4^5 + 8^3 + 4^0 + 3^5 + 6^6 & 49498 &:= 4^4 + 9^1 + 4^7 + 9^2 + 8^5 \\
47639 &:= 4^1 + 7^1 + 6^6 + 3^5 + 9^3 & 48458 &:= 4^7 + 8^0 + 4^7 + 5^6 + 8^2 & 49637 &:= 4^2 + 9^3 + 6^6 + 3^7 + 7^2 \\
47643 &:= 4^4 + 7^0 + 6^6 + 4^0 + 3^6 & 48459 &:= 4^3 + 8^5 + 4^0 + 5^6 + 9^0 & 49678 &:= 4^2 + 9^2 + 6^1 + 7^5 + 8^5 \\
47649 &:= 4^4 + 7^1 + 6^6 + 4^0 + 9^3 & 48464 &:= 4^2 + 8^3 + 4^4 + 6^6 + 4^5 & 49728 &:= 4^2 + 9^1 + 7^5 + 2^7 + 8^5 \\
47652 &:= 4^2 + 7^3 + 6^6 + 5^3 + 2^9 & 48507 &:= 4^3 + 8^5 + 5^6 + 0^0 + 7^2 & 49784 &:= 4^3 + 9^2 + 7^5 + 8^5 + 4^3 \\
47653 &:= 4^4 + 7^1 + 6^6 + 5^1 + 3^6 & 48522 &:= 4^3 + 8^5 + 5^6 + 2^0 + 2^6 & 49785 &:= 4^1 + 9^2 + 7^5 + 8^5 + 5^3 \\
47673 &:= 4^6 + 7^5 + 6^5 + 7^5 + 3^7 & 48526 &:= 4^1 + 8^5 + 5^6 + 2^7 + 6^0 & 49836 &:= 4^4 + 9^3 + 8^1 + 3^7 + 6^6 \\
47679 &:= 4^4 + 7^3 + 6^6 + 7^3 + 9^2 & 48535 &:= 4^2 + 8^5 + 5^3 + 3^0 + 5^6 & 49857 &:= 4^4 + 9^0 + 8^5 + 5^2 + 7^5 \\
47683 &:= 4^5 + 7^0 + 6^6 + 8^0 + 3^0 & 48539 &:= 4^3 + 8^5 + 5^6 + 3^0 + 9^2 & 49859 &:= 4^7 + 9^0 + 8^5 + 5^4 + 9^2 \\
47689 &:= 4^5 + 7^1 + 6^6 + 8^0 + 9^0 & 48562 &:= 4^5 + 8^0 + 5^4 + 6^6 + 2^8 & 49872 &:= 4^4 + 9^1 + 8^5 + 7^5 + 2^5 \\
47690 &:= 4^4 + 7^2 + 6^6 + 9^3 + 0^1 & 48625 &:= 4^5 + 8^2 + 6^6 + 2^8 + 5^4 & 49876 &:= 4^1 + 9^2 + 8^5 + 7^5 + 6^3
\end{aligned}$$

$49883 := 4^7 + 9^0 + 8^0 + 8^5 + 3^6$	$53088 := 5^3 + 3^9 + 0^1 + 8^3 + 8^5$	$54655 := 5^6 + 4^1 + 6^5 + 5^6 + 5^6$
$49890 := 4^7 + 9^1 + 8^5 + 9^3 + 0^1$	$53226 := 5^1 + 3^8 + 2^1 + 2^1 + 6^6$	$54659 := 5^5 + 4^5 + 6^6 + 5^5 + 9^3$
$49891 := 4^7 + 9^1 + 8^5 + 9^3 + 1^0$	$53246 := 5^1 + 3^8 + 2^3 + 4^2 + 6^6$	$54748 := 5^5 + 4^5 + 7^5 + 4^5 + 8^5$
$49892 := 4^7 + 9^1 + 8^5 + 9^3 + 2^1$	$53262 := 5^1 + 3^8 + 2^3 + 6^6 + 2^5$	$54855 := 5^5 + 4^7 + 8^4 + 5^6 + 5^6$
$49893 := 4^7 + 9^1 + 8^5 + 9^3 + 3^1$	$53263 := 5^1 + 3^2 + 2^5 + 6^6 + 3^8$	$54873 := 5^1 + 4^2 + 8^5 + 7^4 + 3^9$
$49894 := 4^1 + 9^1 + 8^5 + 9^3 + 4^7$	$53266 := 5^1 + 3^8 + 2^3 + 6^2 + 6^6$	$55336 := 5^5 + 5^5 + 3^5 + 3^7 + 6^6$
$49895 := 4^7 + 9^1 + 8^5 + 9^3 + 5^1$	$53346 := 5^3 + 3^1 + 3^8 + 4^0 + 6^6$	$55426 := 5^6 + 5^6 + 4^7 + 2^4 + 6^5$
$49896 := 4^7 + 9^1 + 8^5 + 9^3 + 6^1$	$53356 := 5^1 + 3^2 + 3^8 + 5^3 + 6^6$	$55466 := 5^1 + 5^1 + 4^5 + 6^5 + 6^6$
$49897 := 4^7 + 9^1 + 8^5 + 9^3 + 7^1$	$53376 := 5^3 + 3^3 + 3^8 + 7^1 + 6^6$	$55483 := 5^5 + 5^5 + 4^7 + 8^5 + 3^4$
$49898 := 4^7 + 9^1 + 8^1 + 9^3 + 8^5$	$53396 := 5^3 + 3^3 + 3^3 + 9^4 + 6^6$	$55827 := 5^5 + 5^5 + 8^5 + 2^1 + 7^5$
$49899 := 4^7 + 9^1 + 8^5 + 9^1 + 9^3$	$53406 := 5^3 + 3^8 + 4^3 + 0^1 + 6^6$	$55843 := 5^1 + 5^3 + 8^5 + 4^7 + 3^8$
$49968 := 4^7 + 9^2 + 9^3 + 6^1 + 8^5$	$53469 := 5^1 + 3^5 + 4^1 + 6^6 + 9^4$	$56258 := 5^2 + 6^5 + 2^6 + 5^6 + 8^5$
$49987 := 4^6 + 9^4 + 9^4 + 8^5 + 7^0$	$53480 := 5^1 + 3^9 + 4^5 + 8^5 + 0^1$	$56298 := 5^6 + 6^5 + 2^7 + 9^0 + 8^5$
$50367 := 5^5 + 0^1 + 3^5 + 6^6 + 7^3$	$53481 := 5^1 + 3^9 + 4^5 + 8^5 + 1^0$	$56344 := 5^5 + 6^6 + 3^8 + 4^0 + 4^0$
$50536 := 5^2 + 0^0 + 5^5 + 3^6 + 6^6$	$53482 := 5^1 + 3^9 + 4^5 + 8^5 + 2^1$	$56347 := 5^5 + 6^6 + 3^8 + 4^1 + 7^0$
$50635 := 5^3 + 0^1 + 6^6 + 3^6 + 5^5$	$53483 := 5^1 + 3^1 + 4^5 + 8^5 + 3^9$	$56349 := 5^5 + 6^6 + 3^1 + 4^1 + 9^4$
$50764 := 5^1 + 0^1 + 7^1 + 6^6 + 4^6$	$53484 := 5^1 + 3^9 + 4^1 + 8^5 + 4^5$	$56364 := 5^5 + 6^1 + 3^8 + 6^6 + 4^2$
$50827 := 5^6 + 0^0 + 8^5 + 2^5 + 7^4$	$53485 := 5^1 + 3^9 + 4^5 + 8^5 + 5^1$	$56382 := 5^5 + 6^6 + 3^8 + 8^1 + 2^5$
$50876 := 5^1 + 0^1 + 8^5 + 7^5 + 6^4$	$53486 := 5^1 + 3^8 + 4^4 + 8^1 + 6^6$	$56386 := 5^5 + 6^2 + 3^8 + 8^1 + 6^6$
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$50935 := 5^6 + 0^0 + 9^0 + 3^9 + 5^6$	$53488 := 5^1 + 3^9 + 4^5 + 8^1 + 8^5$	$56439 := 5^5 + 6^6 + 4^2 + 3^4 + 9^4$
$52372 := 5^6 + 2^0 + 3^9 + 7^5 + 2^8$	$53489 := 5^1 + 3^9 + 4^5 + 8^5 + 9^1$	$56563 := 5^1 + 6^3 + 5^5 + 6^6 + 3^8$
$52498 := 5^6 + 2^3 + 4^6 + 9^0 + 8^5$	$53628 := 5^4 + 3^7 + 6^6 + 2^6 + 8^4$	$56632 := 5^1 + 6^5 + 6^6 + 3^7 + 2^3$
$52583 := 5^1 + 2^1 + 5^3 + 8^5 + 3^9$	$53647 := 5^3 + 3^8 + 6^6 + 4^4 + 7^2$	$56633 := 5^1 + 6^5 + 6^6 + 3^2 + 3^7$
$52708 := 5^5 + 2^3 + 7^5 + 0^1 + 8^5$	$53649 := 5^3 + 3^5 + 6^6 + 4^3 + 9^4$	$56634 := 5^5 + 6^2 + 6^6 + 3^8 + 4^4$
$52726 := 5^5 + 2^5 + 7^4 + 2^9 + 6^6$	$53843 := 5^3 + 3^5 + 8^5 + 4^5 + 3^9$	$56639 := 5^5 + 6^3 + 6^6 + 3^4 + 9^4$
$52748 := 5^5 + 2^5 + 7^5 + 4^2 + 8^5$	$53862 := 5^1 + 3^8 + 8^3 + 6^6 + 2^7$	$56673 := 5^1 + 6^5 + 6^6 + 7^2 + 3^7$
$52768 := 5^5 + 2^5 + 7^5 + 6^2 + 8^5$	$53863 := 5^3 + 3^2 + 8^3 + 6^6 + 3^8$	$56682 := 5^6 + 6^0 + 6^5 + 8^5 + 2^9$
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$52789 := 5^5 + 2^3 + 7^5 + 8^5 + 9^2$	$53956 := 5^1 + 3^6 + 9^4 + 5^1 + 6^6$	$56858 := 5^4 + 6^5 + 8^2 + 5^6 + 8^5$
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$52857 := 5^3 + 2^5 + 8^5 + 5^5 + 7^5$	$54476 := 5^5 + 4^4 + 4^6 + 7^3 + 6^6$	$56982 := 5^5 + 6^6 + 9^4 + 8^3 + 2^7$
$52877 := 5^5 + 2^7 + 8^5 + 7^2 + 7^5$	$54566 := 5^1 + 4^1 + 5^3 + 6^5 + 6^6$	$57378 := 5^3 + 7^4 + 3^9 + 7^4 + 8^5$
$53064 := 5^3 + 3^7 + 0^1 + 6^6 + 4^6$	$54632 := 5^5 + 4^6 + 6^6 + 3^5 + 2^9$	$57393 := 5^6 + 7^4 + 3^9 + 9^0 + 3^9$
$53078 := 5^4 + 3^9 + 0^0 + 7^0 + 8^5$	$54633 := 5^5 + 4^6 + 6^6 + 3^3 + 3^6$	$57606 := 5^5 + 7^2 + 6^5 + 0^1 + 6^6$

$57868 := 5^1 + 7^5 + 8^3 + 6^5 + 8^5$	$59223 := 5^1 + 9^5 + 2^5 + 2^7 + 3^2$	$59353 := 5^3 + 9^5 + 3^3 + 5^3 + 3^3$
$58563 := 5^4 + 8^4 + 5^4 + 6^6 + 3^8$	$59224 := 5^3 + 9^5 + 2^1 + 2^5 + 4^2$	$59356 := 5^1 + 9^5 + 3^4 + 5^1 + 6^3$
$59038 := 5^2 + 9^4 + 0^0 + 3^9 + 8^5$	$59226 := 5^1 + 9^5 + 2^3 + 2^7 + 6^2$	$59357 := 5^3 + 9^5 + 3^2 + 5^3 + 7^2$
$59056 := 5^1 + 9^5 + 0^1 + 5^0 + 6^0$	$59227 := 5^3 + 9^5 + 2^1 + 2^1 + 7^2$	$59362 := 5^1 + 9^5 + 3^5 + 6^0 + 2^6$
$59057 := 5^1 + 9^5 + 0^0 + 5^0 + 7^0$	$59230 := 5^2 + 9^5 + 2^7 + 3^3 + 0^0$	$59367 := 5^2 + 9^5 + 3^5 + 6^0 + 7^2$
$59060 := 5^1 + 9^5 + 0^1 + 6^1 + 0^1$	$59234 := 5^3 + 9^5 + 2^5 + 3^3 + 4^0$	$59373 := 5^1 + 9^5 + 3^3 + 7^2 + 3^5$
$59061 := 5^1 + 9^5 + 0^1 + 6^1 + 1^0$	$59240 := 5^3 + 9^5 + 2^0 + 4^3 + 0^0$	$59375 := 5^3 + 9^5 + 3^3 + 7^2 + 5^3$
$59062 := 5^1 + 9^5 + 0^0 + 6^1 + 2^0$	$59241 := 5^3 + 9^5 + 2^1 + 4^3 + 1^0$	$59379 := 5^1 + 9^2 + 3^5 + 7^0 + 9^5$
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$59067 := 5^1 + 9^5 + 0^1 + 6^1 + 7^1$	$59246 := 5^3 + 9^5 + 2^1 + 4^3 + 6^1$	$59406 := 5^3 + 9^5 + 4^2 + 0^1 + 6^3$
$59068 := 5^1 + 9^5 + 0^1 + 6^1 + 8^1$	$59247 := 5^1 + 9^5 + 2^7 + 4^2 + 7^2$	$59423 := 5^1 + 9^5 + 4^4 + 2^5 + 3^4$
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$59072 := 5^1 + 9^5 + 0^0 + 7^0 + 2^4$	$59249 := 5^3 + 9^1 + 2^1 + 4^3 + 9^5$	$59432 := 5^3 + 9^5 + 4^0 + 3^0 + 2^8$
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$59137 := 5^1 + 9^5 + 1^0 + 3^4 + 7^0$	$59314 := 5^1 + 9^5 + 3^1 + 1^0 + 4^4$	$59479 := 5^1 + 9^2 + 4^0 + 7^3 + 9^5$
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$59177 := 5^3 + 9^5 + 1^0 + 7^0 + 7^0$	$59326 := 5^2 + 9^5 + 3^5 + 2^3 + 6^0$	$59552 := 5^3 + 9^5 + 5^3 + 5^3 + 2^7$
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$59192 := 5^1 + 9^1 + 1^0 + 9^5 + 2^7$	$59333 := 5^1 + 9^5 + 3^2 + 3^3 + 3^5$	$59572 := 5^1 + 9^5 + 5^1 + 7^0 + 2^9$
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$59203 := 5^2 + 9^5 + 2^7 + 0^1 + 3^0$	$59336 := 5^1 + 9^5 + 3^1 + 3^5 + 6^2$	$59592 := 5^1 + 9^0 + 5^2 + 9^5 + 2^9$
$59204 := 5^2 + 9^5 + 2^7 + 0^0 + 4^0$	$59337 := 5^3 + 9^5 + 3^4 + 3^4 + 7^0$	$59596 := 5^3 + 9^2 + 5^3 + 9^5 + 6^3$
$59207 := 5^3 + 9^5 + 2^5 + 0^1 + 7^0$	$59339 := 5^3 + 9^2 + 3^1 + 3^4 + 9^5$	$59602 := 5^1 + 9^5 + 6^2 + 0^1 + 2^9$
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$59222 := 5^1 + 9^5 + 2^3 + 2^5 + 2^7$	$59347 := 5^1 + 9^5 + 3^5 + 4^0 + 7^2$	$59622 := 5^2 + 9^5 + 6^2 + 2^8 + 2^8$

$59623 := 5^2 + 9^5 + 6^2 + 2^9 + 3^0$	$59795 := 5^1 + 9^3 + 7^1 + 9^5 + 5^1$	$60359 := 6^4 + 0^1 + 3^2 + 5^1 + 9^5$
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$59674 := 5^2 + 9^5 + 6^0 + 7^3 + 4^4$	$59799 := 5^1 + 9^1 + 7^1 + 9^3 + 9^5$	$60483 := 6^5 + 0^1 + 4^4 + 8^5 + 3^9$
$59677 := 5^4 + 9^5 + 6^0 + 7^0 + 7^0$	$59802 := 5^4 + 9^5 + 8^2 + 0^1 + 2^6$	$60593 := 6^4 + 0^1 + 5^1 + 9^5 + 3^5$
$59682 := 5^4 + 9^5 + 6^1 + 8^0 + 2^0$	$59822 := 5^1 + 9^5 + 8^3 + 2^7 + 2^7$	$60595 := 6^4 + 0^1 + 5^3 + 9^5 + 5^3$
$59683 := 5^1 + 9^5 + 6^2 + 8^3 + 3^4$	$59823 := 5^1 + 9^5 + 8^1 + 2^5 + 3^6$	$60853 := 6^5 + 0^0 + 8^5 + 5^4 + 3^9$
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$59736 := 5^3 + 9^5 + 7^3 + 3^1 + 6^3$	$59932 := 5^2 + 9^0 + 9^5 + 3^6 + 2^7$	$62358 := 6^6 + 2^2 + 3^2 + 5^6 + 8^2$
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$59746 := 5^4 + 9^5 + 7^1 + 4^3 + 6^0$	$59935 := 5^1 + 9^3 + 9^5 + 3^3 + 5^3$	$62395 := 6^3 + 2^1 + 3^1 + 9^5 + 5^5$
$59752 := 5^2 + 9^5 + 7^2 + 5^4 + 2^2$	$59936 := 5^3 + 9^3 + 9^5 + 3^3 + 6^1$	$62396 := 6^4 + 2^9 + 3^5 + 9^5 + 6^4$
$59760 := 5^4 + 9^5 + 7^2 + 6^2 + 0^0$	$59937 := 5^3 + 9^3 + 9^5 + 3^3 + 7^1$	$62397 := 6^3 + 2^1 + 3^6 + 9^5 + 7^4$
$59763 := 5^4 + 9^5 + 7^1 + 6^0 + 3^4$	$59938 := 5^3 + 9^1 + 9^5 + 3^5 + 8^3$	$62425 := 6^6 + 2^4 + 4^3 + 2^6 + 5^6$
$59772 := 5^1 + 9^5 + 7^3 + 7^3 + 2^5$	$59939 := 5^3 + 9^1 + 9^3 + 3^3 + 9^5$	$62466 := 6^5 + 2^1 + 4^4 + 6^5 + 6^6$
$59773 := 5^4 + 9^5 + 7^2 + 7^2 + 3^0$	$59940 := 5^4 + 9^1 + 9^5 + 4^4 + 0^0$	$62506 := 6^3 + 2^3 + 5^6 + 0^0 + 6^6$
$59774 := 5^3 + 9^5 + 7^0 + 7^3 + 4^4$	$59957 := 5^1 + 9^3 + 9^5 + 5^3 + 7^2$	$62519 := 6^3 + 2^7 + 5^5 + 1^0 + 9^5$
$59776 := 5^1 + 9^5 + 7^3 + 7^3 + 6^2$	$59968 := 5^3 + 9^3 + 9^5 + 6^0 + 8^2$	$62532 := 6^6 + 2^2 + 5^6 + 3^5 + 2^2$
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$59791 := 5^1 + 9^3 + 7^1 + 9^5 + 1^0$	$59993 := 5^3 + 9^1 + 9^2 + 9^5 + 3^6$	$62539 := 6^4 + 2^1 + 5^1 + 3^7 + 9^5$
$59792 := 5^1 + 9^3 + 7^0 + 9^5 + 2^3$	$60289 := 6^3 + 0^1 + 2^9 + 8^3 + 9^5$	$62540 := 6^6 + 2^1 + 5^6 + 4^4 + 0^0$
$59793 := 5^1 + 9^1 + 7^0 + 9^5 + 3^6$	$60294 := 6^3 + 0^0 + 2^2 + 9^5 + 4^5$	$62542 := 6^6 + 2^0 + 5^6 + 4^1 + 2^8$
$59794 := 5^1 + 9^3 + 7^1 + 9^5 + 4^1$	$60349 := 6^4 + 0^1 + 3^1 + 4^0 + 9^5$	$62546 := 6^6 + 2^3 + 5^6 + 4^4 + 6^0$

$$\begin{aligned}
62553 &:= 6^6 + 2^2 + 5^2 + 5^6 + 3^5 & 63389 &:= 6^3 + 3^0 + 3^3 + 8^4 + 9^5 & 63695 &:= 6^3 + 3^2 + 6^4 + 9^5 + 5^5 \\
62554 &:= 6^6 + 2^4 + 5^0 + 5^6 + 4^4 & 63412 &:= 6^6 + 3^5 + 4^7 + 1^0 + 2^7 & 63697 &:= 6^3 + 3^2 + 6^6 + 9^1 + 7^5 \\
62562 &:= 6^3 + 2^0 + 5^6 + 6^6 + 2^6 & 63435 &:= 6^6 + 3^3 + 4^7 + 3^5 + 5^3 & 63706 &:= 6^3 + 3^3 + 7^5 + 0^1 + 6^6 \\
62587 &:= 6^6 + 2^8 + 5^6 + 8^0 + 7^2 & 63436 &:= 6^5 + 3^7 + 4^4 + 3^8 + 6^6 & 63707 &:= 6^6 + 3^5 + 7^0 + 0^1 + 7^5 \\
62594 &:= 6^2 + 2^7 + 5^5 + 9^5 + 4^4 & 63437 &:= 6^6 + 3^3 + 4^7 + 3^3 + 7^3 & 63708 &:= 6^6 + 3^5 + 7^5 + 0^0 + 8^0 \\
62599 &:= 6^3 + 2^7 + 5^5 + 9^2 + 9^5 & 63438 &:= 6^5 + 3^7 + 4^5 + 3^9 + 8^5 & 63720 &:= 6^6 + 3^0 + 7^5 + 2^8 + 0^1 \\
62625 &:= 6^3 + 2^6 + 6^6 + 2^6 + 5^6 & 63457 &:= 6^6 + 3^5 + 4^7 + 5^3 + 7^2 & 63721 &:= 6^6 + 3^0 + 7^5 + 2^8 + 1^0 \\
62653 &:= 6^6 + 2^7 + 6^0 + 5^6 + 3^5 & 63470 &:= 6^6 + 3^1 + 4^1 + 7^5 + 0^1 & 63722 &:= 6^6 + 3^0 + 7^5 + 2^1 + 2^8 \\
62657 &:= 6^6 + 2^5 + 6^0 + 5^6 + 7^3 & 63471 &:= 6^6 + 3^1 + 4^1 + 7^5 + 1^0 & 63723 &:= 6^6 + 3^0 + 7^5 + 2^4 + 3^5 \\
62688 &:= 6^5 + 2^6 + 6^6 + 8^4 + 8^4 & 63472 &:= 6^6 + 3^0 + 4^1 + 7^5 + 2^2 & 63724 &:= 6^6 + 3^0 + 7^5 + 2^2 + 4^4 \\
62749 &:= 6^4 + 2^1 + 7^4 + 4^0 + 9^5 & 63473 &:= 6^6 + 3^1 + 4^1 + 7^5 + 3^1 & 63725 &:= 6^6 + 3^0 + 7^5 + 2^8 + 5^1 \\
62752 &:= 6^6 + 2^6 + 7^3 + 5^6 + 2^6 & 63474 &:= 6^6 + 3^1 + 4^1 + 7^5 + 4^1 & 63726 &:= 6^1 + 3^0 + 7^5 + 2^8 + 6^6 \\
62753 &:= 6^6 + 2^7 + 7^3 + 5^6 + 3^0 & 63475 &:= 6^6 + 3^1 + 4^1 + 7^5 + 5^1 & 63727 &:= 6^6 + 3^0 + 7^1 + 2^8 + 7^5 \\
62759 &:= 6^4 + 2^3 + 7^4 + 5^1 + 9^5 & 63476 &:= 6^1 + 3^1 + 4^1 + 7^5 + 6^6 & 63728 &:= 6^6 + 3^0 + 7^5 + 2^8 + 8^1 \\
62779 &:= 6^4 + 2^5 + 7^0 + 7^4 + 9^5 & 63477 &:= 6^6 + 3^1 + 4^1 + 7^1 + 7^5 & 63729 &:= 6^6 + 3^0 + 7^5 + 2^8 + 9^1 \\
62794 &:= 6^4 + 2^5 + 7^4 + 9^5 + 4^2 & 63478 &:= 6^6 + 3^1 + 4^1 + 7^5 + 8^1 & 63734 &:= 6^6 + 3^3 + 7^5 + 3^5 + 4^0 \\
62795 &:= 6^6 + 2^9 + 7^0 + 9^0 + 5^6 & 63479 &:= 6^4 + 3^6 + 4^1 + 7^4 + 9^5 & 63742 &:= 6^6 + 3^5 + 7^5 + 4^1 + 2^5 \\
62797 &:= 6^4 + 2^1 + 7^2 + 9^5 + 7^4 & 63492 &:= 6^3 + 3^1 + 4^6 + 9^5 + 2^7 & 63744 &:= 6^6 + 3^2 + 7^5 + 4^2 + 4^4 \\
62825 &:= 6^6 + 2^4 + 8^3 + 2^4 + 5^6 & 63493 &:= 6^1 + 3^7 + 4^3 + 9^5 + 3^7 & 63745 &:= 6^6 + 3^0 + 7^5 + 4^4 + 5^2 \\
62858 &:= 6^6 + 2^0 + 8^2 + 5^6 + 8^3 & 63495 &:= 6^3 + 3^2 + 4^6 + 9^5 + 5^3 & 63746 &:= 6^2 + 3^5 + 7^5 + 4^1 + 6^6 \\
62935 &:= 6^1 + 2^9 + 9^5 + 3^5 + 5^5 & 63497 &:= 6^1 + 3^1 + 4^6 + 9^5 + 7^3 & 63747 &:= 6^6 + 3^3 + 7^0 + 4^4 + 7^5 \\
63042 &:= 6^6 + 3^0 + 0^1 + 4^7 + 2^0 & 63498 &:= 6^5 + 3^2 + 4^7 + 9^4 + 8^5 & 63760 &:= 6^3 + 3^4 + 7^5 + 6^6 + 0^1 \\
63043 &:= 6^6 + 3^0 + 0^0 + 4^7 + 3^0 & 63522 &:= 6^6 + 3^6 + 5^6 + 2^8 + 2^8 & 63761 &:= 6^3 + 3^4 + 7^5 + 6^6 + 1^0 \\
63044 &:= 6^6 + 3^1 + 0^1 + 4^0 + 4^7 & 63523 &:= 6^6 + 3^0 + 5^6 + 2^9 + 3^6 & 63762 &:= 6^3 + 3^4 + 7^5 + 6^6 + 2^1 \\
63045 &:= 6^6 + 3^1 + 0^0 + 4^7 + 5^0 & 63527 &:= 6^6 + 3^3 + 5^1 + 2^5 + 7^5 & 63763 &:= 6^3 + 3^1 + 7^5 + 6^6 + 3^4 \\
63054 &:= 6^6 + 3^2 + 0^1 + 5^1 + 4^7 & 63529 &:= 6^4 + 3^3 + 5^5 + 2^5 + 9^5 & 63764 &:= 6^2 + 3^2 + 7^5 + 6^6 + 4^4 \\
63074 &:= 6^6 + 3^3 + 0^1 + 7^1 + 4^7 & 63544 &:= 6^6 + 3^5 + 5^1 + 4^4 + 4^7 & 63765 &:= 6^3 + 3^4 + 7^5 + 6^6 + 5^1 \\
63124 &:= 6^6 + 3^4 + 1^0 + 2^1 + 4^7 & 63549 &:= 6^2 + 3^5 + 5^3 + 4^6 + 9^5 & 63766 &:= 6^1 + 3^4 + 7^5 + 6^3 + 6^6 \\
63149 &:= 6^6 + 3^3 + 1^0 + 4^7 + 9^2 & 63568 &:= 6^3 + 3^9 + 5^5 + 6^5 + 8^5 & 63767 &:= 6^3 + 3^4 + 7^1 + 6^6 + 7^5 \\
63234 &:= 6^6 + 3^4 + 2^5 + 3^4 + 4^7 & 63570 &:= 6^6 + 3^4 + 5^2 + 7^5 + 0^0 & 63768 &:= 6^3 + 3^4 + 7^5 + 6^6 + 8^1 \\
63254 &:= 6^6 + 3^4 + 2^3 + 5^3 + 4^7 & 63584 &:= 6^6 + 3^3 + 5^1 + 8^3 + 4^7 & 63769 &:= 6^3 + 3^2 + 7^5 + 6^6 + 9^2 \\
63293 &:= 6^4 + 3^6 + 2^5 + 9^5 + 3^7 & 63586 &:= 6^4 + 3^0 + 5^6 + 8^1 + 6^6 & 63784 &:= 6^6 + 3^0 + 7^5 + 8^2 + 4^4 \\
63294 &:= 6^2 + 3^4 + 2^5 + 9^5 + 4^6 & 63605 &:= 6^4 + 3^3 + 6^6 + 0^0 + 5^6 & 63834 &:= 6^6 + 3^0 + 8^2 + 3^6 + 4^7 \\
63324 &:= 6^6 + 3^0 + 3^3 + 2^8 + 4^7 & 63637 &:= 6^5 + 3^5 + 6^6 + 3^8 + 7^4 & 63924 &:= 6^6 + 3^3 + 9^3 + 2^7 + 4^7 \\
63342 &:= 6^6 + 3^3 + 3^5 + 4^7 + 2^5 & 63659 &:= 6^4 + 3^0 + 6^6 + 5^6 + 9^2 & 63942 &:= 6^2 + 3^6 + 9^5 + 4^6 + 2^5 \\
63346 &:= 6^2 + 3^3 + 3^5 + 4^7 + 6^6 & 63675 &:= 6^1 + 3^4 + 6^6 + 7^5 + 5^3 & 63944 &:= 6^1 + 3^6 + 9^5 + 4^3 + 4^6 \\
63348 &:= 6^6 + 3^0 + 3^5 + 4^7 + 8^2 & 63679 &:= 6^1 + 3^7 + 6^2 + 7^4 + 9^5 & 63946 &:= 6^2 + 3^6 + 9^5 + 4^6 + 6^2 \\
63364 &:= 6^3 + 3^3 + 3^4 + 6^6 + 4^7 & 63692 &:= 6^5 + 3^7 + 6^6 + 9^4 + 2^9 & 63947 &:= 6^3 + 3^5 + 9^5 + 4^6 + 7^3
\end{aligned}$$

63985 := $6^4 + 3^1 + 9^5 + 8^3 + 5^5$	64733 := $6^6 + 4^5 + 7^5 + 3^1 + 3^5$	65634 := $6^1 + 5^1 + 6^1 + 3^4 + 4^8$
63987 := $6^4 + 3^6 + 9^5 + 8^3 + 7^4$	64734 := $6^6 + 4^1 + 7^5 + 3^5 + 4^5$	65642 := $6^2 + 5^1 + 6^0 + 4^8 + 2^6$
64035 := $6^6 + 4^5 + 0^0 + 3^6 + 5^6$	64735 := $6^6 + 4^5 + 7^5 + 3^5 + 5^1$	65647 := $6^2 + 5^2 + 6^0 + 4^8 + 7^2$
64197 := $6^6 + 4^1 + 1^0 + 9^3 + 7^5$	64736 := $6^1 + 4^5 + 7^5 + 3^5 + 6^6$	65649 := $6^1 + 5^2 + 6^0 + 4^8 + 9^2$
64224 := $6^6 + 4^5 + 2^5 + 2^7 + 4^7$	64737 := $6^6 + 4^5 + 7^1 + 3^5 + 7^5$	65674 := $6^1 + 5^3 + 6^1 + 7^0 + 4^8$
64247 := $6^6 + 4^2 + 2^9 + 4^4 + 7^5$	64738 := $6^6 + 4^5 + 7^5 + 3^5 + 8^1$	65676 := $6^5 + 5^5 + 6^5 + 7^3 + 6^6$
64267 := $6^2 + 4^4 + 2^9 + 6^6 + 7^5$	64739 := $6^6 + 4^5 + 7^5 + 3^5 + 9^1$	65693 := $6^2 + 5^5 + 6^4 + 9^5 + 3^7$
64283 := $6^6 + 4^7 + 2^1 + 8^3 + 3^6$	64744 := $6^6 + 4^0 + 7^5 + 4^4 + 4^5$	65694 := $6^2 + 5^1 + 6^2 + 9^2 + 4^8$
64289 := $6^6 + 4^7 + 2^3 + 8^3 + 9^3$	64760 := $6^4 + 4^0 + 7^5 + 6^6 + 0^1$	65704 := $6^2 + 5^3 + 7^1 + 0^1 + 4^8$
64334 := $6^6 + 4^5 + 3^3 + 3^5 + 4^7$	64761 := $6^4 + 4^0 + 7^5 + 6^6 + 1^0$	65724 := $6^1 + 5^1 + 7^2 + 2^7 + 4^8$
64337 := $6^6 + 4^3 + 3^4 + 3^6 + 7^5$	64762 := $6^4 + 4^0 + 7^5 + 6^6 + 2^1$	65743 := $6^1 + 5^3 + 7^2 + 4^8 + 3^3$
64346 := $6^4 + 4^0 + 3^2 + 4^7 + 6^6$	64763 := $6^4 + 4^0 + 7^5 + 6^6 + 3^1$	65747 := $6^2 + 5^3 + 7^0 + 4^8 + 7^2$
64364 := $6^4 + 4^0 + 3^3 + 6^6 + 4^7$	64764 := $6^4 + 4^0 + 7^5 + 6^6 + 4^1$	65749 := $6^1 + 5^3 + 7^0 + 4^8 + 9^2$
64392 := $6^1 + 4^6 + 3^6 + 9^5 + 2^9$	64765 := $6^4 + 4^0 + 7^5 + 6^6 + 5^1$	65750 := $6^6 + 5^5 + 7^3 + 5^6 + 0^0$
64394 := $6^3 + 4^5 + 3^2 + 9^5 + 4^6$	64766 := $6^1 + 4^0 + 7^5 + 6^4 + 6^6$	65764 := $6^1 + 5^1 + 7^0 + 6^3 + 4^8$
64395 := $6^6 + 4^7 + 3^0 + 9^3 + 5^4$	64767 := $6^4 + 4^0 + 7^1 + 6^6 + 7^5$	65783 := $6^6 + 5^3 + 7^5 + 8^1 + 3^7$
64407 := $6^6 + 4^5 + 4^7 + 0^1 + 7^3$	64768 := $6^4 + 4^0 + 7^5 + 6^6 + 8^1$	65824 := $6^1 + 5^2 + 8^0 + 2^8 + 4^8$
64445 := $6^6 + 4^4 + 4^5 + 4^7 + 5^3$	64769 := $6^4 + 4^0 + 7^5 + 6^6 + 9^1$	65838 := $6^3 + 5^1 + 8^5 + 3^4 + 8^5$
64449 := $6^3 + 4^3 + 4^5 + 4^6 + 9^5$	64776 := $6^4 + 4^2 + 7^0 + 7^5 + 6^6$	65839 := $6^3 + 5^1 + 8^1 + 3^8 + 9^5$
64464 := $6^4 + 4^3 + 4^3 + 6^6 + 4^7$	64792 := $6^4 + 4^6 + 7^3 + 9^5 + 2^3$	65842 := $6^3 + 5^2 + 8^0 + 4^8 + 2^6$
64465 := $6^4 + 4^1 + 4^7 + 6^6 + 5^3$	64793 := $6^4 + 4^6 + 7^3 + 9^5 + 3^2$	65877 := $6^6 + 5^1 + 8^1 + 7^4 + 7^5$
64487 := $6^6 + 4^4 + 4^4 + 8^3 + 7^5$	64794 := $6^4 + 4^5 + 7^4 + 9^5 + 4^5$	65878 := $6^3 + 5^3 + 8^5 + 7^0 + 8^5$
64495 := $6^4 + 4^0 + 4^5 + 9^5 + 5^5$	64795 := $6^3 + 4^1 + 7^4 + 9^5 + 5^5$	65879 := $6^4 + 5^5 + 8^1 + 7^4 + 9^5$
64497 := $6^6 + 4^0 + 4^5 + 9^1 + 7^5$	64864 := $6^4 + 4^2 + 8^3 + 6^6 + 4^7$	65894 := $6^3 + 5^3 + 8^1 + 9^1 + 4^8$
64499 := $6^6 + 4^0 + 4^7 + 9^3 + 9^3$	64934 := $6^2 + 4^5 + 9^5 + 3^6 + 4^6$	65924 := $6^1 + 5^3 + 9^0 + 2^8 + 4^8$
64533 := $6^6 + 4^3 + 5^6 + 3^0 + 3^7$	64937 := $6^4 + 4^1 + 9^5 + 3^7 + 7^4$	65942 := $6^3 + 5^3 + 9^0 + 4^8 + 2^6$
64534 := $6^6 + 4^6 + 5^5 + 3^8 + 4^6$	64958 := $6^4 + 4^6 + 9^5 + 5^1 + 8^3$	65964 := $6^1 + 5^3 + 9^2 + 6^3 + 4^8$
64555 := $6^4 + 4^7 + 5^6 + 5^6 + 5^6$	65234 := $6^6 + 5^1 + 2^1 + 3^7 + 4^7$	66044 := $6^2 + 6^3 + 0^1 + 4^4 + 4^8$
64573 := $6^6 + 4^4 + 5^3 + 7^5 + 3^6$	65276 := $6^4 + 5^1 + 2^9 + 7^5 + 6^6$	66049 := $6^3 + 6^3 + 0^1 + 4^8 + 9^2$
64593 := $6^3 + 4^2 + 5^5 + 9^5 + 3^7$	65433 := $6^6 + 5^3 + 4^7 + 3^4 + 3^7$	66224 := $6^3 + 6^3 + 2^7 + 2^7 + 4^8$
64597 := $6^1 + 4^2 + 5^5 + 9^5 + 7^4$	65447 := $6^6 + 5^1 + 4^0 + 4^7 + 7^4$	66243 := $6^3 + 6^3 + 2^5 + 4^8 + 3^5$
64624 := $6^4 + 4^4 + 6^6 + 2^5 + 4^7$	65467 := $6^6 + 5^2 + 4^7 + 6^0 + 7^4$	66245 := $6^2 + 6^2 + 2^9 + 4^8 + 5^3$
64643 := $6^4 + 4^3 + 6^6 + 4^7 + 3^5$	65473 := $6^6 + 5^1 + 4^7 + 7^4 + 3^3$	66248 := $6^2 + 6^2 + 2^7 + 4^8 + 8^3$
64687 := $6^4 + 4^7 + 6^6 + 8^1 + 7^3$	65493 := $6^2 + 5^3 + 4^6 + 9^5 + 3^7$	66249 := $6^4 + 6^4 + 2^9 + 4^6 + 9^5$
64698 := $6^4 + 4^4 + 6^0 + 9^5 + 8^4$	65545 := $6^1 + 5^0 + 5^0 + 4^8 + 5^0$	66334 := $6^1 + 6^2 + 3^3 + 3^6 + 4^8$
64730 := $6^6 + 4^5 + 7^5 + 3^5 + 0^1$	65549 := $6^1 + 5^0 + 5^1 + 4^8 + 9^0$	66342 := $6^6 + 6^0 + 3^9 + 4^0 + 2^0$
64731 := $6^6 + 4^5 + 7^5 + 3^5 + 1^0$	65604 := $6^1 + 5^2 + 6^2 + 0^0 + 4^8$	66345 := $6^6 + 6^0 + 3^9 + 4^1 + 5^0$
64732 := $6^6 + 4^5 + 7^5 + 3^5 + 2^1$	65614 := $6^2 + 5^1 + 6^2 + 1^0 + 4^8$	66347 := $6^1 + 6^6 + 3^9 + 4^0 + 7^0$

$$\begin{aligned}
66350 &:= 6^1 + 6^6 + 3^9 + 5^1 + 0^1 & 66594 &:= 6^3 + 6^3 + 5^4 + 9^0 + 4^8 & 66943 &:= 6^2 + 6^4 + 9^5 + 4^0 + 3^8 \\
66351 &:= 6^1 + 6^6 + 3^9 + 5^1 + 1^0 & 66623 &:= 6^2 + 6^3 + 6^6 + 2^5 + 3^9 & 66952 &:= 6^5 + 6^0 + 9^5 + 5^3 + 2^0 \\
66352 &:= 6^1 + 6^6 + 3^9 + 5^1 + 2^1 & 66632 &:= 6^2 + 6^0 + 6^6 + 3^9 + 2^8 & 66953 &:= 6^4 + 6^4 + 9^5 + 5^5 + 3^7 \\
66353 &:= 6^1 + 6^6 + 3^1 + 5^1 + 3^9 & 66647 &:= 6^5 + 6^5 + 6^6 + 4^6 + 7^3 & 66954 &:= 6^2 + 6^4 + 9^2 + 5^1 + 4^8 \\
66354 &:= 6^1 + 6^6 + 3^9 + 5^1 + 4^1 & 66732 &:= 6^3 + 6^6 + 7^2 + 3^9 + 2^7 & 66957 &:= 6^1 + 6^5 + 9^5 + 5^3 + 7^0 \\
66355 &:= 6^1 + 6^6 + 3^9 + 5^1 + 5^1 & 66734 &:= 6^2 + 6^6 + 7^3 + 3^9 + 4^2 & 66974 &:= 6^2 + 6^5 + 9^5 + 7^2 + 4^3 \\
66356 &:= 6^1 + 6^1 + 3^9 + 5^1 + 6^6 & 66737 &:= 6^1 + 6^6 + 7^2 + 3^9 + 7^3 & 66993 &:= 6^1 + 6^4 + 9^2 + 9^5 + 3^8 \\
66357 &:= 6^1 + 6^6 + 3^9 + 5^1 + 7^1 & 66752 &:= 6^2 + 6^6 + 7^5 + 5^5 + 2^7 & 66995 &:= 6^2 + 6^5 + 9^1 + 9^5 + 5^3 \\
66358 &:= 6^1 + 6^6 + 3^9 + 5^1 + 8^1 & 66829 &:= 6^5 + 6^0 + 8^0 + 2^1 + 9^5 & 67144 &:= 6^6 + 7^1 + 1^0 + 4^6 + 4^7 \\
66359 &:= 6^1 + 6^6 + 3^9 + 5^1 + 9^1 & 66840 &:= 6^1 + 6^4 + 8^0 + 4^8 + 0^0 & 67184 &:= 6^4 + 7^3 + 1^0 + 8^1 + 4^8 \\
66362 &:= 6^1 + 6^0 + 3^9 + 6^6 + 2^4 & 66842 &:= 6^4 + 6^0 + 8^0 + 4^8 + 2^3 & 67234 &:= 6^4 + 7^3 + 2^5 + 3^3 + 4^8 \\
66373 &:= 6^1 + 6^6 + 3^3 + 7^0 + 3^9 & 66843 &:= 6^4 + 6^0 + 8^0 + 4^8 + 3^2 & 67240 &:= 6^4 + 7^3 + 2^6 + 4^8 + 0^0 \\
66374 &:= 6^2 + 6^3 + 3^5 + 7^3 + 4^8 & 66847 &:= 6^1 + 6^4 + 8^1 + 4^8 + 7^0 & 67295 &:= 6^5 + 7^3 + 2^1 + 9^5 + 5^3 \\
66377 &:= 6^2 + 6^6 + 3^9 + 7^0 + 7^0 & 66849 &:= 6^2 + 6^2 + 8^3 + 4^8 + 9^3 & 67297 &:= 6^5 + 7^0 + 2^7 + 9^5 + 7^3 \\
66378 &:= 6^3 + 6^6 + 3^7 + 7^5 + 8^3 & 66853 &:= 6^6 + 6^0 + 8^3 + 5^0 + 3^9 & 67322 &:= 6^6 + 7^3 + 3^9 + 2^7 + 2^9 \\
66384 &:= 6^2 + 6^6 + 3^9 + 8^1 + 4^0 & 66858 &:= 6^4 + 6^0 + 8^5 + 5^2 + 8^5 & 67325 &:= 6^6 + 7^5 + 3^6 + 2^3 + 5^5 \\
66392 &:= 6^2 + 6^6 + 3^9 + 9^0 + 2^4 & 66859 &:= 6^5 + 6^0 + 8^1 + 5^2 + 9^5 & 67343 &:= 6^1 + 7^3 + 3^6 + 4^8 + 3^6 \\
66393 &:= 6^2 + 6^6 + 3^2 + 9^1 + 3^9 & 66863 &:= 6^1 + 6^1 + 8^3 + 6^6 + 3^9 & 67344 &:= 6^1 + 7^2 + 3^6 + 4^5 + 4^8 \\
66423 &:= 6^2 + 6^6 + 4^2 + 2^5 + 3^9 & 66884 &:= 6^2 + 6^4 + 8^1 + 8^1 + 4^8 & 67348 &:= 6^4 + 7^0 + 3^1 + 4^8 + 8^3 \\
66425 &:= 6^2 + 6^3 + 4^8 + 2^9 + 5^3 & 66887 &:= 6^1 + 6^4 + 8^5 + 8^5 + 7^2 & 67389 &:= 6^5 + 7^2 + 3^1 + 8^3 + 9^5 \\
66428 &:= 6^2 + 6^3 + 4^8 + 2^7 + 8^3 & 66890 &:= 6^5 + 6^0 + 8^2 + 9^5 + 0^1 & 67413 &:= 6^6 + 7^2 + 4^5 + 1^0 + 3^9 \\
66443 &:= 6^2 + 6^6 + 4^1 + 4^3 + 3^9 & 66891 &:= 6^5 + 6^0 + 8^2 + 9^5 + 1^0 & 67432 &:= 6^4 + 7^1 + 4^8 + 3^4 + 2^9 \\
66445 &:= 6^3 + 6^6 + 4^3 + 4^7 + 5^5 & 66892 &:= 6^5 + 6^0 + 8^2 + 9^5 + 2^1 & 67434 &:= 6^4 + 7^3 + 4^2 + 3^5 + 4^8 \\
66454 &:= 6^2 + 6^0 + 4^4 + 5^4 + 4^8 & 66893 &:= 6^5 + 6^0 + 8^2 + 9^5 + 3^1 & 67459 &:= 6^4 + 7^0 + 4^8 + 5^4 + 9^0 \\
66459 &:= 6^3 + 6^0 + 4^8 + 5^4 + 9^2 & 66894 &:= 6^5 + 6^0 + 8^2 + 9^5 + 4^1 & 67465 &:= 6^4 + 7^1 + 4^8 + 6^0 + 5^4 \\
66480 &:= 6^3 + 6^3 + 4^8 + 8^3 + 0^1 & 66895 &:= 6^5 + 6^0 + 8^2 + 9^5 + 5^1 & 67480 &:= 6^6 + 7^3 + 4^7 + 8^4 + 0^0 \\
66481 &:= 6^3 + 6^3 + 4^8 + 8^3 + 1^0 & 66896 &:= 6^1 + 6^0 + 8^2 + 9^5 + 6^5 & 67493 &:= 6^6 + 7^2 + 4^5 + 9^2 + 3^9 \\
66482 &:= 6^3 + 6^3 + 4^8 + 8^3 + 2^1 & 66897 &:= 6^5 + 6^0 + 8^2 + 9^5 + 7^1 & 67543 &:= 6^4 + 7^3 + 5^3 + 4^8 + 3^5 \\
66483 &:= 6^3 + 6^0 + 4^8 + 8^0 + 3^6 & 66898 &:= 6^5 + 6^0 + 8^1 + 9^5 + 8^2 & 67549 &:= 6^5 + 7^3 + 5^3 + 4^4 + 9^5 \\
66484 &:= 6^3 + 6^3 + 4^1 + 8^3 + 4^8 & 66899 &:= 6^5 + 6^0 + 8^2 + 9^1 + 9^5 & 67585 &:= 6^6 + 7^5 + 5^0 + 8^4 + 5^2 \\
66485 &:= 6^3 + 6^3 + 4^8 + 8^3 + 5^1 & 66913 &:= 6^1 + 6^4 + 9^5 + 1^0 + 3^8 & 67624 &:= 6^6 + 7^5 + 6^0 + 2^6 + 4^6 \\
66486 &:= 6^1 + 6^3 + 4^8 + 8^3 + 6^3 & 66922 &:= 6^5 + 6^0 + 9^5 + 2^5 + 2^6 & 67634 &:= 6^1 + 7^4 + 6^6 + 3^7 + 4^7 \\
66487 &:= 6^3 + 6^3 + 4^8 + 8^3 + 7^1 & 66923 &:= 6^4 + 6^0 + 9^5 + 2^4 + 3^8 & 67637 &:= 6^4 + 7^0 + 6^6 + 3^9 + 7^0 \\
66488 &:= 6^3 + 6^3 + 4^8 + 8^1 + 8^3 & 66926 &:= 6^2 + 6^0 + 9^5 + 2^6 + 6^5 & 67639 &:= 6^2 + 7^2 + 6^5 + 3^6 + 9^5 \\
66489 &:= 6^3 + 6^3 + 4^8 + 8^3 + 9^1 & 66934 &:= 6^2 + 6^5 + 9^5 + 3^2 + 4^3 & 67643 &:= 6^4 + 7^1 + 6^6 + 4^0 + 3^9 \\
66532 &:= 6^2 + 6^6 + 5^3 + 3^9 + 2^5 & 66937 &:= 6^2 + 6^5 + 9^5 + 3^3 + 7^2 & 67672 &:= 6^4 + 7^4 + 6^6 + 7^5 + 2^9 \\
66534 &:= 6^1 + 6^6 + 5^3 + 3^9 + 4^3 & 66938 &:= 6^1 + 6^6 + 9^2 + 3^9 + 8^3 & 67685 &:= 6^6 + 7^5 + 6^0 + 8^4 + 5^3 \\
66536 &:= 6^2 + 6^2 + 5^3 + 3^9 + 6^6 & 66939 &:= 6^1 + 6^4 + 9^4 + 3^3 + 9^5 & 67693 &:= 6^4 + 7^2 + 6^6 + 9^1 + 3^9
\end{aligned}$$

$67729 := 6^5 + 7^2 + 7^3 + 2^9 + 9^5$	$69013 := 6^5 + 9^5 + 0^1 + 1^0 + 3^7$	$72364 := 7^2 + 2^1 + 3^8 + 6^3 + 4^8$
$67743 := 6^1 + 7^1 + 7^1 + 4^8 + 3^7$	$69093 := 6^4 + 9^4 + 0^1 + 9^5 + 3^7$	$72385 := 7^5 + 2^1 + 3^9 + 8^5 + 5^5$
$67803 := 6^6 + 7^5 + 8^4 + 0^0 + 3^5$	$69146 := 6^4 + 9^5 + 1^0 + 4^5 + 6^5$	$72403 := 7^2 + 2^8 + 4^8 + 0^0 + 3^8$
$67896 := 6^3 + 7^3 + 8^3 + 9^5 + 6^5$	$69236 := 6^3 + 9^5 + 2^3 + 3^7 + 6^5$	$72434 := 7^2 + 2^5 + 4^4 + 3^8 + 4^8$
$67898 := 6^5 + 7^2 + 8^3 + 9^5 + 8^3$	$69237 := 6^5 + 9^5 + 2^1 + 3^2 + 7^4$	$72443 := 7^3 + 2^1 + 4^0 + 4^8 + 3^8$
$67904 := 6^4 + 7^3 + 9^3 + 0^1 + 4^8$	$69253 := 6^1 + 9^5 + 2^9 + 5^5 + 3^8$	$72449 := 7^3 + 2^3 + 4^0 + 4^8 + 9^4$
$67923 := 6^5 + 7^3 + 9^5 + 2^9 + 3^5$	$69274 := 6^4 + 9^1 + 2^5 + 7^4 + 4^8$	$72453 := 7^3 + 2^3 + 4^8 + 5^1 + 3^8$
$67929 := 6^5 + 7^3 + 9^3 + 2^5 + 9^5$	$69277 := 6^5 + 9^5 + 2^1 + 7^2 + 7^4$	$72473 := 7^3 + 2^5 + 4^8 + 7^0 + 3^8$
$67944 := 6^4 + 7^1 + 9^2 + 4^5 + 4^8$	$69307 := 6^4 + 9^5 + 3^8 + 0^1 + 7^4$	$72479 := 7^1 + 2^5 + 4^8 + 7^3 + 9^4$
$67945 := 6^1 + 7^4 + 9^0 + 4^8 + 5^0$	$69343 := 6^4 + 9^2 + 3^5 + 4^8 + 3^7$	$72497 := 7^2 + 2^3 + 4^8 + 9^4 + 7^3$
$67947 := 6^5 + 7^2 + 9^5 + 4^5 + 7^2$	$69349 := 6^4 + 9^4 + 3^7 + 4^4 + 9^5$	$72694 := 7^2 + 2^9 + 6^2 + 9^4 + 4^8$
$67965 := 6^4 + 7^5 + 9^2 + 6^6 + 5^5$	$69362 := 6^4 + 9^5 + 3^6 + 6^5 + 2^9$	$72747 := 7^4 + 2^3 + 7^4 + 4^8 + 7^4$
$67984 := 6^4 + 7^5 + 9^3 + 8^5 + 4^7$	$69434 := 6^1 + 9^5 + 4^6 + 3^7 + 4^6$	$72984 := 7^3 + 2^5 + 9^4 + 8^3 + 4^8$
$68072 := 6^6 + 8^4 + 0^0 + 7^5 + 2^9$	$69435 := 6^2 + 9^1 + 4^8 + 3^6 + 5^5$	$73396 := 7^1 + 3^1 + 3^8 + 9^5 + 6^5$
$68243 := 6^1 + 8^3 + 2^1 + 4^8 + 3^7$	$69453 := 6^2 + 9^3 + 4^8 + 5^5 + 3^3$	$73426 := 7^2 + 3^0 + 4^8 + 2^6 + 6^5$
$68264 := 6^4 + 8^1 + 2^7 + 6^4 + 4^8$	$69473 := 6^5 + 9^5 + 4^1 + 7^4 + 3^5$	$73446 := 7^2 + 3^4 + 4^1 + 4^8 + 6^5$
$68449 := 6^4 + 8^3 + 4^5 + 4^8 + 9^2$	$69475 := 6^2 + 9^3 + 4^8 + 7^2 + 5^5$	$73464 := 7^1 + 3^4 + 4^3 + 6^5 + 4^8$
$68574 := 6^6 + 8^1 + 5^5 + 7^4 + 4^7$	$69524 := 6^1 + 9^3 + 5^5 + 2^7 + 4^8$	$73465 := 7^4 + 3^7 + 4^8 + 6^3 + 5^5$
$68640 := 6^4 + 8^3 + 6^4 + 4^8 + 0^1$	$69567 := 6^3 + 9^5 + 5^3 + 6^5 + 7^4$	$73469 := 7^2 + 3^3 + 4^8 + 6^4 + 9^4$
$68641 := 6^4 + 8^3 + 6^4 + 4^8 + 1^0$	$69634 := 6^1 + 9^4 + 6^6 + 3^3 + 4^7$	$73482 := 7^5 + 3^9 + 4^6 + 8^5 + 2^7$
$68642 := 6^4 + 8^3 + 6^4 + 4^8 + 2^1$	$69648 := 6^1 + 9^1 + 6^0 + 4^8 + 8^4$	$73604 := 7^2 + 3^5 + 6^5 + 0^1 + 4^8$
$68643 := 6^4 + 8^3 + 6^4 + 4^8 + 3^1$	$69742 := 6^5 + 9^5 + 7^4 + 4^1 + 2^9$	$73643 := 7^1 + 3^4 + 6^5 + 4^8 + 3^5$
$68644 := 6^4 + 8^3 + 6^4 + 4^1 + 4^8$	$69743 := 6^2 + 9^5 + 7^0 + 4^6 + 3^8$	$73644 := 7^2 + 3^3 + 6^5 + 4^4 + 4^8$
$68645 := 6^4 + 8^3 + 6^4 + 4^8 + 5^1$	$69749 := 6^2 + 9^4 + 7^1 + 4^6 + 9^5$	$73649 := 7^1 + 3^8 + 6^5 + 4^4 + 9^5$
$68646 := 6^1 + 8^3 + 6^4 + 4^8 + 6^4$	$69787 := 6^5 + 9^5 + 7^2 + 8^3 + 7^4$	$73664 := 7^3 + 3^1 + 6^1 + 6^5 + 4^8$
$68647 := 6^4 + 8^3 + 6^4 + 4^8 + 7^1$	$69854 := 6^3 + 9^0 + 8^4 + 5^1 + 4^8$	$73667 := 7^4 + 3^3 + 6^5 + 6^6 + 7^5$
$68648 := 6^4 + 8^1 + 6^4 + 4^8 + 8^3$	$69924 := 6^3 + 9^4 + 9^5 + 2^1 + 4^6$	$74168 := 7^3 + 4^8 + 1^0 + 6^5 + 8^3$
$68649 := 6^4 + 8^3 + 6^4 + 4^8 + 9^1$	$69952 := 6^5 + 9^0 + 9^5 + 5^5 + 2^0$	$74293 := 7^1 + 4^8 + 2^1 + 9^4 + 3^7$
$68669 := 6^2 + 8^3 + 6^4 + 6^5 + 9^5$	$69965 := 6^1 + 9^1 + 9^5 + 6^5 + 5^5$	$74323 := 7^1 + 4^8 + 3^7 + 2^5 + 3^8$
$68739 := 6^3 + 8^3 + 7^4 + 3^8 + 9^5$	$70347 := 7^4 + 0^1 + 3^2 + 4^8 + 7^4$	$74334 := 7^2 + 4^0 + 3^7 + 3^8 + 4^8$
$68753 := 6^6 + 8^1 + 7^4 + 5^1 + 3^9$	$70367 := 7^3 + 0^1 + 3^8 + 6^6 + 7^5$	$74345 := 7^4 + 4^6 + 3^7 + 4^8 + 5^3$
$68754 := 6^2 + 8^1 + 7^2 + 5^5 + 4^8$	$70478 := 7^5 + 0^1 + 4^6 + 7^5 + 8^5$	$74346 := 7^1 + 4^5 + 3^1 + 4^8 + 6^5$
$68777 := 6^6 + 8^3 + 7^4 + 7^4 + 7^5$	$70488 := 7^3 + 0^0 + 4^8 + 8^3 + 8^4$	$74349 := 7^2 + 4^2 + 3^7 + 4^8 + 9^4$
$68825 := 6^2 + 8^5 + 8^5 + 2^7 + 5^5$	$70685 := 7^5 + 0^0 + 6^6 + 8^4 + 5^5$	$74363 := 7^5 + 4^6 + 3^5 + 6^6 + 3^8$
$68885 := 6^3 + 8^1 + 8^5 + 8^5 + 5^5$	$72149 := 7^2 + 2^1 + 1^0 + 4^8 + 9^4$	$74369 := 7^2 + 4^8 + 3^7 + 6^2 + 9^4$
$68958 := 6^3 + 8^5 + 9^2 + 5^5 + 8^5$	$72234 := 7^1 + 2^1 + 2^7 + 3^8 + 4^8$	$74436 := 7^4 + 4^6 + 4^8 + 3^7 + 6^3$
$68959 := 6^3 + 8^1 + 9^4 + 5^5 + 9^5$	$72343 := 7^4 + 2^5 + 3^7 + 4^8 + 3^7$	$74437 := 7^4 + 4^6 + 4^8 + 3^1 + 7^4$
$68976 := 6^4 + 8^3 + 9^5 + 7^3 + 6^5$	$72349 := 7^1 + 2^1 + 3^5 + 4^8 + 9^4$	$74498 := 7^4 + 4^7 + 4^7 + 9^4 + 8^5$

$74503 := 7^4 + 4^8 + 5^1 + 0^1 + 3^8$	$76149 := 7^5 + 6^2 + 1^0 + 4^4 + 9^5$	$78325 := 7^1 + 8^2 + 3^0 + 2^7 + 5^7$
$74616 := 7^1 + 4^8 + 6^4 + 1^0 + 6^5$	$76234 := 7^4 + 6^5 + 2^9 + 3^2 + 4^8$	$78349 := 7^4 + 8^3 + 3^1 + 4^7 + 9^5$
$74632 := 7^4 + 4^8 + 6^1 + 3^8 + 2^7$	$76274 := 7^2 + 6^5 + 2^9 + 7^4 + 4^8$	$78365 := 7^1 + 8^1 + 3^2 + 6^3 + 5^7$
$74633 := 7^3 + 4^8 + 6^1 + 3^7 + 3^8$	$76294 := 7^3 + 6^1 + 2^9 + 9^5 + 4^7$	$78453 := 7^1 + 8^2 + 4^4 + 5^7 + 3^0$
$74659 := 7^4 + 4^8 + 6^2 + 5^3 + 9^4$	$76296 := 7^5 + 6^3 + 2^3 + 9^5 + 6^3$	$78454 := 7^2 + 8^1 + 4^2 + 5^7 + 4^4$
$74696 := 7^1 + 4^8 + 6^4 + 9^2 + 6^5$	$76299 := 7^4 + 6^5 + 2^9 + 9^4 + 9^5$	$78485 := 7^3 + 8^1 + 4^0 + 8^1 + 5^7$
$74763 := 7^2 + 4^8 + 7^4 + 6^3 + 3^8$	$76329 := 7^5 + 6^3 + 3^0 + 2^8 + 9^5$	$78495 := 7^2 + 8^2 + 4^4 + 9^0 + 5^7$
$74896 := 7^3 + 4^8 + 8^3 + 9^3 + 6^5$	$76369 := 7^5 + 6^3 + 3^4 + 6^3 + 9^5$	$78502 := 7^3 + 8^0 + 5^7 + 0^0 + 2^5$
$75019 := 7^3 + 5^6 + 0^0 + 1^0 + 9^5$	$76443 := 7^4 + 6^5 + 4^0 + 4^8 + 3^6$	$78503 := 7^3 + 8^1 + 5^7 + 0^1 + 3^3$
$75099 := 7^3 + 5^6 + 0^0 + 9^2 + 9^5$	$76445 := 7^1 + 6^5 + 4^0 + 4^8 + 5^5$	$78506 := 7^3 + 8^0 + 5^7 + 0^0 + 6^2$
$75336 := 7^5 + 5^5 + 3^7 + 3^8 + 6^6$	$76452 := 7^1 + 6^5 + 4^8 + 5^5 + 2^3$	$78524 := 7^1 + 8^1 + 5^7 + 2^7 + 4^4$
$75354 := 7^1 + 5^3 + 3^8 + 5^5 + 4^8$	$76453 := 7^1 + 6^5 + 4^8 + 5^5 + 3^2$	$78526 := 7^2 + 8^1 + 5^7 + 2^7 + 6^3$
$75449 := 7^1 + 5^1 + 4^1 + 4^7 + 9^5$	$76454 := 7^4 + 6^4 + 4^6 + 5^5 + 4^8$	$78527 := 7^2 + 8^1 + 5^7 + 2^1 + 7^3$
$75846 := 7^4 + 5^3 + 8^1 + 4^8 + 6^5$	$76479 := 7^3 + 6^3 + 4^3 + 7^5 + 9^5$	$78534 := 7^3 + 8^0 + 5^7 + 3^0 + 4^3$
$75859 := 7^5 + 5^0 + 8^0 + 5^0 + 9^5$	$76495 := 7^2 + 6^5 + 4^8 + 9^1 + 5^5$	$78536 := 7^3 + 8^2 + 5^7 + 3^1 + 6^0$
$75890 := 7^5 + 5^2 + 8^1 + 9^5 + 0^0$	$76529 := 7^5 + 6^2 + 5^3 + 2^9 + 9^5$	$78540 := 7^3 + 8^1 + 5^7 + 4^3 + 0^1$
$75907 := 7^2 + 5^0 + 9^5 + 0^0 + 7^5$	$76589 := 7^5 + 6^3 + 5^1 + 8^3 + 9^5$	$78541 := 7^3 + 8^1 + 5^7 + 4^3 + 1^0$
$75922 := 7^5 + 5^0 + 9^5 + 2^0 + 2^6$	$76744 := 7^1 + 6^5 + 7^4 + 4^5 + 4^8$	$78542 := 7^3 + 8^1 + 5^7 + 4^3 + 2^1$
$75926 := 7^5 + 5^1 + 9^5 + 2^6 + 6^0$	$76765 := 7^4 + 6^5 + 7^5 + 6^6 + 5^5$	$78543 := 7^3 + 8^1 + 5^7 + 4^3 + 3^1$
$75934 := 7^5 + 5^1 + 9^5 + 3^2 + 4^3$	$76894 := 7^5 + 6^1 + 8^1 + 9^5 + 4^5$	$78544 := 7^3 + 8^1 + 5^7 + 4^1 + 4^3$
$75937 := 7^2 + 5^1 + 9^5 + 3^3 + 7^5$	$76924 := 7^5 + 6^2 + 9^5 + 2^3 + 4^5$	$78545 := 7^3 + 8^1 + 5^1 + 4^3 + 5^7$
$75939 := 7^5 + 5^0 + 9^0 + 3^4 + 9^5$	$76927 := 7^3 + 6^3 + 9^5 + 2^9 + 7^5$	$78546 := 7^3 + 8^1 + 5^7 + 4^3 + 6^1$
$75943 := 7^5 + 5^1 + 9^5 + 4^0 + 3^4$	$76929 := 7^5 + 6^3 + 9^3 + 2^7 + 9^5$	$78547 := 7^1 + 8^1 + 5^7 + 4^3 + 7^3$
$75946 := 7^5 + 5^2 + 9^5 + 4^3 + 6^0$	$76943 := 7^5 + 6^2 + 9^5 + 4^5 + 3^3$	$78548 := 7^3 + 8^1 + 5^7 + 4^3 + 8^1$
$75963 := 7^5 + 5^2 + 9^5 + 6^0 + 3^4$	$77396 := 7^5 + 7^0 + 3^5 + 9^5 + 6^4$	$78549 := 7^3 + 8^1 + 5^7 + 4^3 + 9^1$
$75974 := 7^2 + 5^1 + 9^5 + 7^5 + 4^3$	$77464 := 7^1 + 7^2 + 4^6 + 6^5 + 4^8$	$78558 := 7^3 + 8^0 + 5^2 + 5^7 + 8^2$
$75983 := 7^5 + 5^3 + 9^5 + 8^0 + 3^0$	$77496 := 7^3 + 7^5 + 4^0 + 9^5 + 6^4$	$78563 := 7^3 + 8^1 + 5^7 + 6^1 + 3^4$
$75990 := 7^5 + 5^3 + 9^1 + 9^5 + 0^1$	$77849 := 7^1 + 7^4 + 8^1 + 4^7 + 9^5$	$78569 := 7^3 + 8^2 + 5^7 + 6^2 + 9^0$
$75991 := 7^5 + 5^3 + 9^1 + 9^5 + 1^0$	$78135 := 7^1 + 8^0 + 1^0 + 3^0 + 5^7$	$78595 := 7^3 + 8^0 + 5^3 + 9^0 + 5^7$
$75992 := 7^5 + 5^3 + 9^1 + 9^5 + 2^1$	$78145 := 7^1 + 8^1 + 1^0 + 4^1 + 5^7$	$78650 := 7^1 + 8^3 + 6^1 + 5^7 + 0^1$
$75993 := 7^5 + 5^3 + 9^1 + 9^5 + 3^1$	$78205 := 7^1 + 8^1 + 2^6 + 0^0 + 5^7$	$78651 := 7^1 + 8^3 + 6^1 + 5^7 + 1^0$
$75994 := 7^5 + 5^3 + 9^1 + 9^5 + 4^1$	$78215 := 7^2 + 8^1 + 2^5 + 1^0 + 5^7$	$78652 := 7^1 + 8^3 + 6^1 + 5^7 + 2^1$
$75995 := 7^5 + 5^1 + 9^1 + 9^5 + 5^3$	$78253 := 7^1 + 8^1 + 2^5 + 5^7 + 3^4$	$78653 := 7^1 + 8^3 + 6^1 + 5^7 + 3^1$
$75996 := 7^5 + 5^3 + 9^1 + 9^5 + 6^1$	$78254 := 7^2 + 8^1 + 2^3 + 5^7 + 4^3$	$78654 := 7^1 + 8^3 + 6^1 + 5^7 + 4^1$
$75997 := 7^1 + 5^3 + 9^1 + 9^5 + 7^5$	$78255 := 7^2 + 8^2 + 2^4 + 5^0 + 5^7$	$78655 := 7^1 + 8^3 + 6^1 + 5^1 + 5^7$
$75998 := 7^5 + 5^3 + 9^1 + 9^5 + 8^1$	$78275 := 7^1 + 8^1 + 2^7 + 7^1 + 5^7$	$78656 := 7^1 + 8^3 + 6^1 + 5^7 + 6^1$
$75999 := 7^5 + 5^3 + 9^1 + 9^1 + 9^5$	$78295 := 7^2 + 8^1 + 2^5 + 9^2 + 5^7$	$78657 := 7^1 + 8^3 + 6^1 + 5^7 + 7^1$
$76079 := 7^1 + 6^3 + 0^1 + 7^5 + 9^5$	$78297 := 7^4 + 8^1 + 2^5 + 9^5 + 7^5$	$78658 := 7^1 + 8^1 + 6^1 + 5^7 + 8^3$

$78659 := 7^1 + 8^3 + 6^1 + 5^7 + 9^1$	$79682 := 7^2 + 9^2 + 6^6 + 8^5 + 2^7$	$82265 := 8^4 + 2^2 + 2^2 + 6^2 + 5^7$
$78725 := 7^1 + 8^3 + 7^2 + 2^5 + 5^7$	$79683 := 7^1 + 9^1 + 6^6 + 8^5 + 3^5$	$82275 := 8^4 + 2^0 + 2^2 + 7^2 + 5^7$
$78852 := 7^3 + 8^2 + 8^2 + 5^7 + 2^8$	$79756 := 7^3 + 9^3 + 7^3 + 5^7 + 6^3$	$82295 := 8^4 + 2^0 + 2^6 + 9^1 + 5^7$
$78905 := 7^2 + 8^0 + 9^3 + 0^0 + 5^7$	$79758 := 7^2 + 9^3 + 7^3 + 5^7 + 8^3$	$82305 := 8^4 + 2^1 + 3^4 + 0^0 + 5^7$
$78963 := 7^1 + 8^1 + 9^5 + 6^3 + 3^9$	$79759 := 7^2 + 9^3 + 7^5 + 5^5 + 9^5$	$82335 := 8^4 + 2^5 + 3^0 + 3^4 + 5^7$
$79045 := 7^5 + 9^5 + 0^1 + 4^3 + 5^5$	$79843 := 7^3 + 9^5 + 8^3 + 4^4 + 3^9$	$82350 := 8^4 + 2^7 + 3^0 + 5^7 + 0^1$
$79083 := 7^3 + 9^5 + 0^1 + 8^1 + 3^9$	$79864 := 7^3 + 9^2 + 8^5 + 6^6 + 4^2$	$82351 := 8^4 + 2^7 + 3^0 + 5^7 + 1^0$
$79203 := 7^3 + 9^5 + 2^7 + 0^1 + 3^9$	$79885 := 7^1 + 9^3 + 8^3 + 8^3 + 5^7$	$82352 := 8^4 + 2^1 + 3^0 + 5^7 + 2^7$
$79205 := 7^3 + 9^3 + 2^3 + 0^1 + 5^7$	$79932 := 7^3 + 9^3 + 9^5 + 3^9 + 2^7$	$82353 := 8^4 + 2^7 + 3^0 + 5^7 + 3^1$
$79245 := 7^1 + 9^2 + 2^3 + 4^5 + 5^7$	$79935 := 7^3 + 9^1 + 9^3 + 3^6 + 5^7$	$82354 := 8^4 + 2^7 + 3^0 + 5^7 + 4^1$
$79265 := 7^3 + 9^3 + 2^5 + 6^2 + 5^7$	$79953 := 7^3 + 9^3 + 9^3 + 5^7 + 3^3$	$82355 := 8^3 + 2^9 + 3^4 + 5^5 + 5^7$
$79283 := 7^1 + 9^5 + 2^5 + 8^3 + 3^9$	$79954 := 7^5 + 9^0 + 9^5 + 5^0 + 4^6$	$82356 := 8^4 + 2^7 + 3^0 + 5^7 + 6^1$
$79332 := 7^1 + 9^5 + 3^4 + 3^9 + 2^9$	$79958 := 7^5 + 9^0 + 9^5 + 5^1 + 8^4$	$82357 := 8^4 + 2^7 + 3^0 + 5^7 + 7^1$
$79334 := 7^3 + 9^5 + 3^1 + 3^9 + 4^4$	$79975 := 7^2 + 9^3 + 9^3 + 7^3 + 5^7$	$82358 := 8^1 + 2^7 + 3^0 + 5^7 + 8^4$
$79352 := 7^3 + 9^3 + 3^3 + 5^7 + 2^7$	$79996 := 7^2 + 9^4 + 9^4 + 9^5 + 6^5$	$82359 := 8^4 + 2^7 + 3^0 + 5^7 + 9^1$
$79359 := 7^3 + 9^2 + 3^4 + 5^7 + 9^3$	$80325 := 8^1 + 0^0 + 3^7 + 2^2 + 5^7$	$82378 := 8^5 + 2^3 + 3^3 + 7^5 + 8^5$
$79365 := 7^1 + 9^5 + 3^9 + 6^0 + 5^4$	$80352 := 8^1 + 0^1 + 3^7 + 5^7 + 2^5$	$82427 := 8^2 + 2^2 + 4^8 + 2^4 + 7^5$
$79394 := 7^1 + 9^3 + 3^8 + 9^4 + 4^8$	$80356 := 8^1 + 0^1 + 3^7 + 5^7 + 6^2$	$82434 := 8^3 + 2^0 + 4^7 + 3^0 + 4^8$
$79454 := 7^3 + 9^3 + 4^0 + 5^7 + 4^4$	$80385 := 8^1 + 0^0 + 3^7 + 8^2 + 5^7$	$82440 := 8^1 + 2^9 + 4^7 + 4^8 + 0^1$
$79486 := 7^2 + 9^1 + 4^1 + 8^5 + 6^6$	$80396 := 8^5 + 0^1 + 3^5 + 9^3 + 6^6$	$82441 := 8^1 + 2^9 + 4^7 + 4^8 + 1^0$
$79534 := 7^3 + 9^2 + 5^7 + 3^6 + 4^4$	$80464 := 8^5 + 0^1 + 4^2 + 6^6 + 4^5$	$82442 := 8^1 + 2^1 + 4^7 + 4^8 + 2^9$
$79536 := 7^1 + 9^2 + 5^7 + 3^3 + 6^4$	$80536 := 8^1 + 0^1 + 5^7 + 3^7 + 6^3$	$82443 := 8^1 + 2^9 + 4^7 + 4^8 + 3^1$
$79556 := 7^2 + 9^2 + 5^1 + 5^7 + 6^4$	$80537 := 8^1 + 0^1 + 5^7 + 3^1 + 7^4$	$82444 := 8^1 + 2^9 + 4^1 + 4^7 + 4^8$
$79572 := 7^3 + 9^3 + 5^7 + 7^3 + 2^5$	$80562 := 8^5 + 0^0 + 5^4 + 6^6 + 2^9$	$82445 := 8^1 + 2^9 + 4^7 + 4^8 + 5^1$
$79574 := 7^3 + 9^2 + 5^7 + 7^0 + 4^5$	$80664 := 8^5 + 0^1 + 6^3 + 6^6 + 4^5$	$82446 := 8^1 + 2^9 + 4^7 + 4^8 + 6^1$
$79576 := 7^3 + 9^3 + 5^7 + 7^3 + 6^2$	$81345 := 8^1 + 1^0 + 3^7 + 4^5 + 5^7$	$82447 := 8^1 + 2^5 + 4^3 + 4^8 + 7^5$
$79590 := 7^1 + 9^3 + 5^7 + 9^3 + 0^1$	$81613 := 8^5 + 1^0 + 6^6 + 1^0 + 3^7$	$82448 := 8^1 + 2^3 + 4^7 + 4^8 + 8^3$
$79591 := 7^1 + 9^3 + 5^7 + 9^3 + 1^0$	$81693 := 8^5 + 1^0 + 6^6 + 9^2 + 3^7$	$82449 := 8^1 + 2^9 + 4^7 + 4^8 + 9^1$
$79592 := 7^1 + 9^3 + 5^7 + 9^3 + 2^1$	$82048 := 8^5 + 2^7 + 0^1 + 4^7 + 8^5$	$82468 := 8^5 + 2^9 + 4^7 + 6^2 + 8^5$
$79593 := 7^1 + 9^3 + 5^3 + 9^5 + 3^9$	$82225 := 8^4 + 2^0 + 2^0 + 2^1 + 5^7$	$82472 := 8^2 + 2^0 + 4^8 + 7^5 + 2^6$
$79594 := 7^1 + 9^3 + 5^7 + 9^3 + 4^1$	$82235 := 8^4 + 2^0 + 2^2 + 3^2 + 5^7$	$82487 := 8^1 + 2^7 + 4^8 + 8^1 + 7^5$
$79595 := 7^1 + 9^3 + 5^1 + 9^3 + 5^7$	$82244 := 8^2 + 2^2 + 2^8 + 4^7 + 4^8$	$82527 := 8^4 + 2^0 + 5^7 + 2^8 + 7^2$
$79596 := 7^1 + 9^3 + 5^7 + 9^3 + 6^1$	$82245 := 8^1 + 2^3 + 2^3 + 4^6 + 5^7$	$82532 := 8^4 + 2^2 + 5^7 + 3^5 + 2^6$
$79597 := 7^1 + 9^3 + 5^7 + 9^3 + 7^1$	$82253 := 8^4 + 2^0 + 2^2 + 5^7 + 3^3$	$82542 := 8^2 + 2^0 + 5^7 + 4^6 + 2^8$
$79598 := 7^1 + 9^3 + 5^7 + 9^3 + 8^1$	$82254 := 8^4 + 2^0 + 2^4 + 5^7 + 4^2$	$82553 := 8^4 + 2^6 + 5^2 + 5^7 + 3^5$
$79599 := 7^1 + 9^1 + 5^7 + 9^3 + 9^3$	$82255 := 8^4 + 2^0 + 2^3 + 5^2 + 5^7$	$82554 := 8^3 + 2^8 + 5^4 + 5^6 + 4^8$
$79623 := 7^3 + 9^5 + 6^2 + 2^9 + 3^9$	$82256 := 8^4 + 2^1 + 2^5 + 5^7 + 6^0$	$82556 := 8^1 + 2^1 + 5^5 + 5^7 + 6^4$
$79642 := 7^4 + 9^5 + 6^4 + 4^7 + 2^9$	$82258 := 8^4 + 2^2 + 2^5 + 5^7 + 8^0$	$82559 := 8^4 + 2^8 + 5^0 + 5^7 + 9^2$

$$\begin{aligned}
82566 &:= 8^4 + 2^7 + 5^7 + 6^0 + 6^3 & 83946 &:= 8^1 + 3^6 + 9^5 + 4^7 + 6^5 & 85329 &:= 8^3 + 5^7 + 3^1 + 2^7 + 9^4 \\
82567 &:= 8^4 + 2^1 + 5^7 + 6^0 + 7^3 & 83964 &:= 8^3 + 3^5 + 9^5 + 6^5 + 4^7 & 85342 &:= 8^3 + 5^7 + 3^8 + 4^2 + 2^7 \\
82572 &:= 8^4 + 2^2 + 5^7 + 7^3 + 2^2 & 84075 &:= 8^3 + 4^8 + 0^0 + 7^4 + 5^6 & 85343 &:= 8^3 + 5^7 + 3^4 + 4^3 + 3^8 \\
82573 &:= 8^4 + 2^3 + 5^7 + 7^3 + 3^0 & 84243 &:= 8^1 + 4^7 + 2^7 + 4^8 + 3^7 & 85344 &:= 8^5 + 5^3 + 3^9 + 4^7 + 4^7 \\
82574 &:= 8^1 + 2^1 + 5^7 + 7^3 + 4^6 & 84376 &:= 8^1 + 4^8 + 3^6 + 7^5 + 6^4 & 85348 &:= 8^2 + 5^0 + 3^9 + 4^8 + 8^2 \\
82593 &:= 8^4 + 2^7 + 5^7 + 9^0 + 3^5 & 84755 &:= 8^1 + 4^6 + 7^4 + 5^3 + 5^7 & 85350 &:= 8^4 + 5^5 + 3^1 + 5^7 + 0^0 \\
82597 &:= 8^4 + 2^5 + 5^7 + 9^0 + 7^3 & 84757 &:= 8^1 + 4^8 + 7^4 + 5^1 + 7^5 & 85356 &:= 8^4 + 5^5 + 3^2 + 5^7 + 6^0 \\
82643 &:= 8^5 + 2^3 + 6^6 + 4^5 + 3^7 & 84759 &:= 8^1 + 4^2 + 7^2 + 5^7 + 9^4 & 85362 &:= 8^3 + 5^7 + 3^8 + 6^2 + 2^7 \\
82645 &:= 8^5 + 2^5 + 6^6 + 4^3 + 5^5 & 84950 &:= 8^1 + 4^4 + 9^4 + 5^7 + 0^1 & 85432 &:= 8^3 + 5^7 + 4^6 + 3^7 + 2^9 \\
82648 &:= 8^5 + 2^9 + 6^3 + 4^7 + 8^5 & 84951 &:= 8^1 + 4^4 + 9^4 + 5^7 + 1^0 & 85433 &:= 8^1 + 5^3 + 4^8 + 3^4 + 3^9 \\
82685 &:= 8^1 + 2^7 + 6^6 + 8^5 + 5^5 & 84952 &:= 8^1 + 4^4 + 9^4 + 5^7 + 2^1 & 85435 &:= 8^1 + 5^5 + 4^6 + 3^4 + 5^7 \\
82687 &:= 8^5 + 2^7 + 6^3 + 8^5 + 7^5 & 84953 &:= 8^1 + 4^2 + 9^4 + 5^7 + 3^5 & 85439 &:= 8^1 + 5^7 + 4^2 + 3^6 + 9^4 \\
82735 &:= 8^4 + 2^9 + 7^0 + 3^0 + 5^7 & 84954 &:= 8^1 + 4^1 + 9^4 + 5^7 + 4^4 & 85459 &:= 8^3 + 5^1 + 4^4 + 5^7 + 9^4 \\
82753 &:= 8^1 + 2^5 + 7^4 + 5^7 + 3^7 & 84955 &:= 8^1 + 4^4 + 9^4 + 5^1 + 5^7 & 85477 &:= 8^1 + 5^5 + 4^8 + 7^0 + 7^5 \\
82774 &:= 8^5 + 2^3 + 7^5 + 7^5 + 4^7 & 84956 &:= 8^1 + 4^4 + 9^4 + 5^7 + 6^1 & 85563 &:= 8^4 + 5^5 + 5^7 + 6^3 + 3^0 \\
82855 &:= 8^1 + 2^0 + 8^4 + 5^4 + 5^7 & 84957 &:= 8^1 + 4^4 + 9^4 + 5^7 + 7^1 & 85639 &:= 8^1 + 5^7 + 6^3 + 3^6 + 9^4 \\
82887 &:= 8^3 + 2^5 + 8^5 + 8^5 + 7^5 & 84958 &:= 8^1 + 4^4 + 9^4 + 5^7 + 8^1 & 85647 &:= 8^4 + 5^7 + 6^0 + 4^5 + 7^4 \\
82893 &:= 8^2 + 2^0 + 8^4 + 9^5 + 3^9 & 84959 &:= 8^1 + 4^4 + 9^1 + 5^7 + 9^4 & 85675 &:= 8^5 + 5^5 + 6^6 + 7^0 + 5^5 \\
82937 &:= 8^1 + 2^9 + 9^5 + 3^8 + 7^5 & 85037 &:= 8^1 + 5^7 + 0^1 + 3^8 + 7^3 & 85679 &:= 8^5 + 5^5 + 6^6 + 7^4 + 9^3 \\
82952 &:= 8^4 + 2^0 + 9^3 + 5^7 + 2^0 & 85203 &:= 8^3 + 5^7 + 2^2 + 0^0 + 3^8 & 85743 &:= 8^3 + 5^1 + 7^1 + 4^8 + 3^9 \\
82953 &:= 8^4 + 2^1 + 9^0 + 5^7 + 3^6 & 85230 &:= 8^3 + 5^7 + 2^5 + 3^8 + 0^1 & 85835 &:= 8^3 + 5^3 + 8^3 + 3^8 + 5^7 \\
82955 &:= 8^4 + 2^2 + 9^3 + 5^0 + 5^7 & 85231 &:= 8^3 + 5^7 + 2^5 + 3^8 + 1^0 & 85859 &:= 8^3 + 5^5 + 8^4 + 5^7 + 9^0 \\
82959 &:= 8^4 + 2^3 + 9^0 + 5^7 + 9^3 & 85232 &:= 8^3 + 5^7 + 2^1 + 3^8 + 2^5 & 85926 &:= 8^1 + 5^7 + 9^0 + 2^4 + 6^5 \\
83254 &:= 8^3 + 3^2 + 2^9 + 5^7 + 4^6 & 85233 &:= 8^1 + 5^7 + 2^9 + 3^3 + 3^8 & 85929 &:= 8^3 + 5^7 + 9^3 + 2^1 + 9^4 \\
83257 &:= 8^3 + 3^7 + 2^5 + 5^7 + 7^4 & 85234 &:= 8^1 + 5^1 + 2^1 + 3^9 + 4^8 & 85943 &:= 8^3 + 5^7 + 9^3 + 4^2 + 3^8 \\
83349 &:= 8^3 + 3^2 + 3^9 + 4^6 + 9^5 & 85235 &:= 8^3 + 5^1 + 2^5 + 3^8 + 5^7 & 85963 &:= 8^3 + 5^7 + 9^3 + 6^2 + 3^8 \\
83364 &:= 8^5 + 3^6 + 3^7 + 6^6 + 4^5 & 85236 &:= 8^3 + 5^7 + 2^1 + 3^8 + 6^2 & 85967 &:= 8^1 + 5^7 + 9^1 + 6^5 + 7^2 \\
83523 &:= 8^3 + 3^7 + 5^7 + 2^9 + 3^7 & 85237 &:= 8^3 + 5^7 + 2^5 + 3^8 + 7^1 & 86049 &:= 8^5 + 6^6 + 0^1 + 4^3 + 9^4 \\
83526 &:= 8^4 + 3^0 + 5^7 + 2^3 + 6^4 & 85238 &:= 8^1 + 5^7 + 2^5 + 3^8 + 8^3 & 86153 &:= 8^1 + 6^5 + 1^0 + 5^7 + 3^5 \\
83543 &:= 8^3 + 3^4 + 5^7 + 4^6 + 3^6 & 85239 &:= 8^3 + 5^7 + 2^5 + 3^2 + 9^4 & 86225 &:= 8^2 + 6^5 + 2^2 + 2^8 + 5^7 \\
83546 &:= 8^5 + 3^0 + 5^2 + 4^6 + 6^6 & 85263 &:= 8^2 + 5^7 + 2^9 + 6^0 + 3^8 & 86243 &:= 8^5 + 6^6 + 2^1 + 4^4 + 3^8 \\
83567 &:= 8^4 + 3^0 + 5^7 + 6^4 + 7^2 & 85264 &:= 8^4 + 5^6 + 2^0 + 6^1 + 4^8 & 86249 &:= 8^5 + 6^6 + 2^3 + 4^4 + 9^4 \\
83636 &:= 8^5 + 3^6 + 6^4 + 3^7 + 6^6 & 85274 &:= 8^4 + 5^6 + 2^4 + 7^0 + 4^8 & 86285 &:= 8^2 + 6^5 + 2^8 + 8^2 + 5^7 \\
83654 &:= 8^5 + 3^2 + 6^6 + 5^3 + 4^6 & 85279 &:= 8^3 + 5^7 + 2^5 + 7^2 + 9^4 & 86337 &:= 8^5 + 6^6 + 3^2 + 3^8 + 7^3 \\
83674 &:= 8^1 + 3^3 + 6^4 + 7^5 + 4^8 & 85294 &:= 8^3 + 5^7 + 2^5 + 9^4 + 4^3 & 86345 &:= 8^4 + 6^0 + 3^3 + 4^6 + 5^7 \\
83697 &:= 8^2 + 3^0 + 6^5 + 9^5 + 7^5 & 85324 &:= 8^2 + 5^2 + 3^9 + 2^4 + 4^8 & 86353 &:= 8^5 + 6^6 + 3^5 + 5^3 + 3^8 \\
83745 &:= 8^1 + 3^7 + 7^4 + 4^5 + 5^7 & 85325 &:= 8^3 + 5^3 + 3^8 + 2^1 + 5^7 & 86354 &:= 8^4 + 6^2 + 3^0 + 5^7 + 4^6 \\
83764 &:= 8^5 + 3^5 + 7^0 + 6^6 + 4^6 & 85327 &:= 8^3 + 5^7 + 3^8 + 2^7 + 7^0 & 86373 &:= 8^1 + 6^6 + 3^9 + 7^3 + 3^9
\end{aligned}$$

$86377 := 8^5 + 6^6 + 3^8 + 7^2 + 7^3$	$91823 := 9^5 + 1^0 + 8^5 + 2^1 + 3^1$	$92846 := 9^5 + 2^2 + 8^5 + 4^5 + 6^0$
$86415 := 8^3 + 6^5 + 4^0 + 1^0 + 5^7$	$91824 := 9^5 + 1^0 + 8^5 + 2^1 + 4^1$	$92854 := 9^5 + 2^3 + 8^5 + 5^1 + 4^5$
$86425 := 8^1 + 6^5 + 4^1 + 2^9 + 5^7$	$91825 := 9^5 + 1^0 + 8^5 + 2^1 + 5^1$	$92874 := 9^5 + 2^5 + 8^5 + 7^0 + 4^5$
$86445 := 8^3 + 6^5 + 4^2 + 4^2 + 5^7$	$91826 := 9^5 + 1^0 + 8^5 + 2^1 + 6^1$	$92897 := 9^3 + 2^3 + 8^5 + 9^5 + 7^3$
$86465 := 8^3 + 6^2 + 4^2 + 6^5 + 5^7$	$91827 := 9^5 + 1^0 + 8^5 + 2^1 + 7^1$	$93069 := 9^4 + 3^9 + 0^1 + 6^5 + 9^5$
$86472 := 8^4 + 6^0 + 4^8 + 7^5 + 2^5$	$91828 := 9^5 + 1^0 + 8^1 + 2^1 + 8^5$	$93084 := 9^5 + 3^5 + 0^1 + 8^5 + 4^5$
$86476 := 8^4 + 6^0 + 4^8 + 7^5 + 6^2$	$91829 := 9^1 + 1^0 + 8^5 + 2^1 + 9^5$	$93268 := 9^5 + 3^3 + 2^7 + 6^4 + 8^5$
$86485 := 8^1 + 6^5 + 4^3 + 8^3 + 5^7$	$91842 := 9^5 + 1^0 + 8^5 + 4^2 + 2^3$	$93283 := 9^5 + 3^6 + 2^3 + 8^5 + 3^6$
$86495 := 8^3 + 6^4 + 4^0 + 9^4 + 5^7$	$91843 := 9^5 + 1^0 + 8^5 + 4^2 + 3^2$	$93435 := 9^4 + 3^7 + 4^0 + 3^8 + 5^7$
$86498 := 8^3 + 6^6 + 4^0 + 9^4 + 8^5$	$91862 := 9^5 + 1^0 + 8^5 + 6^2 + 2^3$	$93466 := 9^1 + 3^4 + 4^3 + 6^6 + 6^6$
$86534 := 8^4 + 6^3 + 5^7 + 3^0 + 4^6$	$91863 := 9^5 + 1^0 + 8^5 + 6^2 + 3^2$	$93559 := 9^4 + 3^7 + 5^3 + 5^7 + 9^4$
$86535 := 8^1 + 6^5 + 5^4 + 3^0 + 5^7$	$91883 := 9^5 + 1^0 + 8^2 + 8^5 + 3^0$	$93628 := 9^5 + 3^1 + 6^4 + 2^9 + 8^5$
$86542 := 8^3 + 6^5 + 5^7 + 4^0 + 2^7$	$92082 := 9^5 + 2^3 + 0^0 + 8^5 + 2^8$	$93663 := 9^2 + 3^3 + 6^6 + 6^6 + 3^5$
$86554 := 8^3 + 6^5 + 5^3 + 5^7 + 4^2$	$92083 := 9^5 + 2^8 + 0^0 + 8^5 + 3^2$	$93667 := 9^1 + 3^1 + 6^6 + 6^6 + 7^3$
$86558 := 8^4 + 6^3 + 5^2 + 5^7 + 8^4$	$92274 := 9^5 + 2^1 + 2^5 + 7^5 + 4^7$	$93846 := 9^5 + 3^6 + 8^5 + 4^1 + 6^4$
$86645 := 8^3 + 6^3 + 6^5 + 4^2 + 5^7$	$92324 := 9^4 + 2^5 + 3^9 + 2^9 + 4^8$	$93868 := 9^5 + 3^5 + 8^3 + 6^4 + 8^5$
$86665 := 8^3 + 6^2 + 6^3 + 6^5 + 5^7$	$92348 := 9^5 + 2^5 + 3^5 + 4^4 + 8^5$	$93869 := 9^3 + 3^3 + 8^5 + 6^4 + 9^5$
$86695 := 8^2 + 6^0 + 6^5 + 9^3 + 5^7$	$92368 := 9^5 + 2^9 + 3^1 + 6^2 + 8^5$	$94236 := 9^3 + 4^8 + 2^9 + 3^9 + 6^5$
$86757 := 8^3 + 6^5 + 7^0 + 5^7 + 7^3$	$92383 := 9^5 + 2^9 + 3^3 + 8^5 + 3^3$	$94347 := 9^5 + 4^7 + 3^7 + 4^7 + 7^3$
$87095 := 8^1 + 7^4 + 0^1 + 9^4 + 5^7$	$92387 := 9^5 + 2^9 + 3^2 + 8^5 + 7^2$	$94359 := 9^5 + 4^0 + 3^9 + 5^6 + 9^0$
$87454 := 8^1 + 7^4 + 4^7 + 5^5 + 4^8$	$92388 := 9^5 + 2^5 + 3^3 + 8^3 + 8^5$	$94385 := 9^5 + 4^4 + 3^7 + 8^5 + 5^3$
$87464 := 8^4 + 7^5 + 4^5 + 6^0 + 4^8$	$92454 := 9^5 + 2^9 + 4^7 + 5^3 + 4^7$	$94437 := 9^4 + 4^4 + 4^8 + 3^9 + 7^4$
$87634 := 8^1 + 7^4 + 6^1 + 3^9 + 4^8$	$92458 := 9^5 + 2^9 + 4^1 + 5^3 + 8^5$	$94474 := 9^5 + 4^4 + 4^7 + 7^4 + 4^7$
$87635 := 8^3 + 7^4 + 6^2 + 3^8 + 5^7$	$92465 := 9^4 + 2^1 + 4^0 + 6^5 + 5^7$	$94478 := 9^5 + 4^1 + 4^4 + 7^4 + 8^5$
$87836 := 8^5 + 7^4 + 8^5 + 3^9 + 6^3$	$92497 := 9^5 + 2^8 + 4^7 + 9^0 + 7^5$	$94520 := 9^1 + 4^7 + 5^7 + 2^0 + 0^0$
$88345 := 8^5 + 8^5 + 3^9 + 4^0 + 5^5$	$92526 := 9^4 + 2^5 + 5^7 + 2^5 + 6^5$	$94521 := 9^1 + 4^7 + 5^7 + 2^1 + 1^0$
$88352 := 8^5 + 8^5 + 3^9 + 5^5 + 2^3$	$92582 := 9^5 + 2^7 + 5^3 + 8^5 + 2^9$	$94522 := 9^1 + 4^7 + 5^7 + 2^1 + 2^1$
$88353 := 8^5 + 8^5 + 3^2 + 5^5 + 3^9$	$92583 := 9^5 + 2^5 + 5^1 + 8^5 + 3^6$	$94523 := 9^1 + 4^7 + 5^7 + 2^1 + 3^1$
$88489 := 8^1 + 8^5 + 4^7 + 8^5 + 9^4$	$92654 := 9^4 + 2^7 + 6^5 + 5^7 + 4^3$	$94524 := 9^1 + 4^1 + 5^7 + 2^1 + 4^7$
$89295 := 8^4 + 9^0 + 2^9 + 9^4 + 5^7$	$92677 := 9^5 + 2^3 + 6^1 + 7^5 + 7^5$	$94525 := 9^1 + 4^7 + 5^1 + 2^1 + 5^7$
$89324 := 8^4 + 9^0 + 3^9 + 2^3 + 4^8$	$92678 := 9^5 + 2^9 + 6^1 + 7^3 + 8^5$	$94526 := 9^1 + 4^7 + 5^7 + 2^1 + 6^1$
$89343 := 8^4 + 9^0 + 3^3 + 4^8 + 3^9$	$92727 := 9^5 + 2^5 + 7^5 + 2^5 + 7^5$	$94527 := 9^1 + 4^7 + 5^7 + 2^1 + 7^1$
$89390 := 8^4 + 9^4 + 3^9 + 9^5 + 0^0$	$92784 := 9^5 + 2^5 + 7^5 + 8^3 + 4^7$	$94528 := 9^1 + 4^7 + 5^7 + 2^1 + 8^1$
$89417 := 8^3 + 9^4 + 4^8 + 1^0 + 7^5$	$92803 := 9^5 + 2^8 + 8^5 + 0^0 + 3^6$	$94529 := 9^1 + 4^7 + 5^7 + 2^1 + 9^1$
$89497 := 8^3 + 9^2 + 4^8 + 9^4 + 7^5$	$92834 := 9^5 + 2^5 + 8^5 + 3^6 + 4^4$	$94542 := 9^1 + 4^2 + 5^7 + 4^7 + 2^3$
$91820 := 9^5 + 1^0 + 8^5 + 2^0 + 0^0$	$92842 := 9^5 + 2^9 + 8^5 + 4^0 + 2^9$	$94543 := 9^1 + 4^2 + 5^7 + 4^7 + 3^2$
$91821 := 9^5 + 1^0 + 8^5 + 2^1 + 1^0$	$92843 := 9^5 + 2^0 + 8^5 + 4^5 + 3^0$	$94562 := 9^1 + 4^7 + 5^7 + 6^2 + 2^3$
$91822 := 9^5 + 1^0 + 8^5 + 2^1 + 2^1$	$92844 := 9^5 + 2^1 + 8^5 + 4^0 + 4^5$	$94563 := 9^1 + 4^7 + 5^7 + 6^2 + 3^2$

94583 := $9^1 + 4^7 + 5^7 + 8^2 + 3^0$	95743 := $9^2 + 5^7 + 7^5 + 4^0 + 3^6$	98413 := $9^2 + 8^5 + 4^8 + 1^0 + 3^3$
94592 := $9^2 + 4^7 + 5^7 + 9^0 + 2^0$	95774 := $9^3 + 5^7 + 7^2 + 7^5 + 4^3$	98437 := $9^2 + 8^5 + 4^8 + 3^1 + 7^2$
94635 := $9^1 + 4^7 + 6^2 + 3^4 + 5^7$	95795 := $9^1 + 5^3 + 7^5 + 9^3 + 5^7$	98442 := $9^1 + 8^5 + 4^0 + 4^8 + 2^7$
94652 := $9^1 + 4^7 + 6^1 + 5^7 + 2^7$	95797 := $9^1 + 5^5 + 7^5 + 9^5 + 7^5$	98443 := $9^5 + 8^5 + 4^0 + 4^3 + 3^8$
94653 := $9^2 + 4^7 + 6^2 + 5^7 + 3^3$	95974 := $9^1 + 5^7 + 9^1 + 7^5 + 4^5$	98454 := $9^1 + 8^5 + 4^2 + 5^3 + 4^8$
94675 := $9^2 + 4^7 + 6^2 + 7^2 + 5^7$	96236 := $9^3 + 6^6 + 2^3 + 3^7 + 6^6$	98473 := $9^2 + 8^5 + 4^8 + 7^1 + 3^4$
94677 := $9^5 + 4^7 + 6^2 + 7^4 + 7^5$	96413 := $9^5 + 6^4 + 4^7 + 1^0 + 3^9$	98493 := $9^2 + 8^5 + 4^8 + 9^2 + 3^3$
94725 := $9^2 + 4^7 + 7^1 + 2^7 + 5^7$	96493 := $9^2 + 6^4 + 4^7 + 9^5 + 3^9$	98503 := $9^5 + 8^5 + 5^3 + 0^1 + 3^8$
94854 := $9^2 + 4^4 + 8^1 + 5^7 + 4^7$	96526 := $9^2 + 6^6 + 5^5 + 2^3 + 6^6$	98539 := $9^3 + 8^0 + 5^7 + 3^9 + 9^0$
94947 := $9^3 + 4^7 + 9^5 + 4^7 + 7^4$	96542 := $9^3 + 6^4 + 5^7 + 4^7 + 2^3$	98542 := $9^2 + 8^5 + 5^3 + 4^8 + 2^5$
95056 := $9^1 + 5^6 + 0^0 + 5^7 + 6^4$	96543 := $9^1 + 6^4 + 5^7 + 4^7 + 3^6$	98546 := $9^2 + 8^5 + 5^3 + 4^8 + 6^2$
95078 := $9^2 + 5^7 + 0^0 + 7^5 + 8^2$	96564 := $9^4 + 6^1 + 5^7 + 6^5 + 4^6$	98634 := $9^2 + 8^5 + 6^1 + 3^5 + 4^8$
95240 := $9^3 + 5^7 + 2^0 + 4^7 + 0^0$	96567 := $9^2 + 6^6 + 5^5 + 6^6 + 7^2$	98642 := $9^2 + 8^5 + 6^0 + 4^8 + 2^8$
95241 := $9^3 + 5^7 + 2^1 + 4^7 + 1^0$	96744 := $9^4 + 6^5 + 7^5 + 4^3 + 4^8$	98654 := $9^1 + 8^5 + 6^3 + 5^3 + 4^8$
95242 := $9^3 + 5^7 + 2^1 + 4^7 + 2^1$	96746 := $9^1 + 6^6 + 7^4 + 4^5 + 6^6$	98723 := $9^5 + 8^5 + 7^3 + 2^1 + 3^8$
95243 := $9^3 + 5^7 + 2^1 + 4^7 + 3^1$	97443 := $9^4 + 7^4 + 4^7 + 4^8 + 3^8$	98729 := $9^4 + 8^5 + 7^3 + 2^3 + 9^5$
95244 := $9^3 + 5^7 + 2^1 + 4^1 + 4^7$	97466 := $9^1 + 7^2 + 4^6 + 6^6 + 6^6$	98744 := $9^1 + 8^1 + 7^5 + 4^7 + 4^8$
95245 := $9^3 + 5^1 + 2^1 + 4^7 + 5^7$	97645 := $9^3 + 7^4 + 6^1 + 4^7 + 5^7$	98764 := $9^2 + 8^5 + 7^3 + 6^2 + 4^8$
95246 := $9^1 + 5^7 + 2^9 + 4^7 + 6^3$	97689 := $9^3 + 7^5 + 6^6 + 8^5 + 9^3$	98834 := $9^1 + 8^3 + 8^5 + 3^2 + 4^8$
95247 := $9^3 + 5^7 + 2^1 + 4^7 + 7^1$	97733 := $9^5 + 7^1 + 7^5 + 3^7 + 3^9$	98874 := $9^1 + 8^3 + 8^5 + 7^2 + 4^8$
95248 := $9^3 + 5^7 + 2^1 + 4^7 + 8^1$	97757 := $9^2 + 7^3 + 7^4 + 5^7 + 7^5$	98890 := $9^4 + 8^3 + 8^5 + 9^5 + 0^1$
95249 := $9^1 + 5^7 + 2^1 + 4^7 + 9^3$	98324 := $9^1 + 8^5 + 3^1 + 2^3 + 4^8$	98891 := $9^4 + 8^3 + 8^5 + 9^5 + 1^0$
95270 := $9^2 + 5^7 + 2^8 + 7^5 + 0^0$	98340 := $9^1 + 8^5 + 3^3 + 4^8 + 0^1$	98892 := $9^4 + 8^3 + 8^5 + 9^5 + 2^1$
95286 := $9^5 + 5^5 + 2^7 + 8^5 + 6^3$	98341 := $9^1 + 8^5 + 3^3 + 4^8 + 1^0$	98893 := $9^4 + 8^3 + 8^5 + 9^5 + 3^1$
95287 := $9^5 + 5^5 + 2^1 + 8^5 + 7^3$	98342 := $9^1 + 8^5 + 3^3 + 4^8 + 2^1$	98894 := $9^4 + 8^3 + 8^5 + 9^5 + 4^1$
95337 := $9^2 + 5^7 + 3^4 + 3^5 + 7^5$	98343 := $9^1 + 8^5 + 3^1 + 4^8 + 3^3$	98895 := $9^4 + 8^3 + 8^5 + 9^5 + 5^1$
95344 := $9^4 + 5^7 + 3^8 + 4^0 + 4^6$	98344 := $9^1 + 8^5 + 3^3 + 4^1 + 4^8$	98896 := $9^4 + 8^3 + 8^5 + 9^5 + 6^1$
95374 := $9^5 + 5^5 + 3^2 + 7^5 + 4^7$	98345 := $9^1 + 8^3 + 3^9 + 4^2 + 5^7$	98897 := $9^4 + 8^3 + 8^5 + 9^5 + 7^1$
95462 := $9^3 + 5^7 + 4^7 + 6^3 + 2^3$	98346 := $9^1 + 8^5 + 3^3 + 4^8 + 6^1$	98898 := $9^4 + 8^1 + 8^3 + 9^5 + 8^5$
95463 := $9^1 + 5^7 + 4^7 + 6^3 + 3^6$	98347 := $9^1 + 8^5 + 3^3 + 4^8 + 7^1$	98899 := $9^1 + 8^3 + 8^5 + 9^4 + 9^5$
95504 := $9^3 + 5^6 + 5^7 + 0^0 + 4^5$	98348 := $9^1 + 8^1 + 3^3 + 4^8 + 8^5$	98922 := $9^4 + 8^5 + 9^5 + 2^5 + 2^9$
95567 := $9^1 + 5^4 + 5^7 + 6^0 + 7^5$	98349 := $9^1 + 8^5 + 3^3 + 4^8 + 9^1$	98926 := $9^4 + 8^5 + 9^5 + 2^9 + 6^2$
95568 := $9^5 + 5^4 + 5^5 + 6^0 + 8^5$	98365 := $9^1 + 8^3 + 3^9 + 6^2 + 5^7$	99483 := $9^2 + 9^5 + 4^5 + 8^5 + 3^8$
95578 := $9^1 + 5^3 + 5^7 + 7^5 + 8^3$	98380 := $9^5 + 8^0 + 3^8 + 8^5 + 0^0$	99682 := $9^2 + 9^5 + 6^5 + 8^5 + 2^3$
95596 := $9^1 + 5^5 + 5^7 + 9^4 + 6^5$	98387 := $9^5 + 8^1 + 3^8 + 8^5 + 7^0$	99683 := $9^1 + 9^5 + 6^4 + 8^5 + 3^8$
95726 := $9^3 + 5^7 + 7^5 + 2^6 + 6^0$	98388 := $9^2 + 8^5 + 3^1 + 8^5 + 8^5$	99758 := $9^3 + 9^0 + 7^5 + 5^7 + 8^4$
95734 := $9^1 + 5^7 + 7^5 + 3^6 + 4^3$	98389 := $9^4 + 8^1 + 3^1 + 8^5 + 9^5$	99843 := $9^2 + 9^3 + 8^5 + 4^8 + 3^6$
95737 := $9^3 + 5^7 + 7^2 + 3^3 + 7^5$	98402 := $9^2 + 8^5 + 4^8 + 0^0 + 2^4$	

3 Flexible Powers: Positive and Negative Coefficients

This section brings flexible powers narcissistic-type numbers with positive-negative coefficients. It is understood that $0^a = 1, a \neq 0$ and $0^0 = 1$.

$23 := -2^2 + 3^3$	$241 := -2^4 + 4^4 + 1^0$	$317 := -3^3 + 1^0 + 7^3$	$574 := -5^2 + 7^3 + 4^4$
$48 := -4^2 + 8^2$	$242 := -2^4 + 4^4 + 2^1$	$334 := -3^1 + 3^4 + 4^4$	$597 := -5^3 + 9^3 - 7^1$
	$243 := -2^2 + 4^1 + 3^5$	$337 := -3^1 - 3^1 + 7^3$	$629 := -6^2 - 2^6 + 9^3$
$125 := -1^1 + 2^0 + 5^3$	$244 := -2^3 - 4^1 + 4^4$	$354 := -3^3 + 5^3 + 4^4$	$665 := -6^1 + 6^4 - 5^4$
$126 := -1^1 + 2^7 - 6^0$	$245 := -2^4 + 4^4 + 5^1$	$372 := -3^1 + 7^3 + 2^5$	$692 := -6^2 + 9^3 - 2^0$
$128 := -1^1 + 2^7 + 8^0$	$246 := -2^2 + 4^4 - 6^1$	$375 := -3^5 - 7^1 + 5^4$	$694 := -6^2 + 9^3 + 4^0$
$152 := -1^1 + 5^2 + 2^7$	$247 := -2^1 + 4^4 - 7^1$	$376 := -3^1 + 7^3 + 6^2$	$723 := -7^1 + 2^0 + 3^6$
$222 := -2^1 - 2^5 + 2^8$	$248 := -2^3 - 4^4 + 8^3$	$392 := -3^4 + 9^3 - 2^8$	$725 := -7^4 + 2^0 + 5^5$
$223 := -2^2 - 2^4 + 3^5$	$249 := -2^3 + 4^4 + 9^0$	$397 := -3^3 + 9^2 + 7^3$	$934 := -9^1 - 3^4 + 4^5$
$224 := -2^4 - 2^4 + 4^4$	$262 := -2^8 + 6^1 + 2^9$	$427 := -4^7 + 2^2 + 7^5$	$936 := -9^1 + 3^6 + 6^3$
$225 := -2^5 + 2^8 + 5^0$	$263 := -2^4 + 6^2 + 3^5$	$448 := -4^3 + 4^5 - 8^3$	$942 := -9^2 + 4^5 - 2^0$
$234 := -2^3 + 3^5 - 4^0$	$264 := -2^3 + 6^4 - 4^5$	$487 := -4^7 + 8^2 + 7^5$	$944 := -9^2 + 4^0 + 4^5$
$236 := -2^3 + 3^5 + 6^0$	$278 := -2^6 + 7^3 - 8^0$	$488 := -4^2 - 8^1 + 8^3$	
$238 := -2^2 + 3^5 - 8^0$	$283 := -2^8 + 8^3 + 3^3$	$508 := -5^1 + 0^0 + 8^3$	
$240 := -2^4 + 4^4 + 0^1$	$287 := -2^6 + 8^1 + 7^3$	$557 := -5^4 - 5^6 + 7^5$	

$1022 := -1^1 - 0^0 + 2^9 + 2^9$	$1368 := -1^1 + 3^2 + 6^4 + 8^2$	$1897 := -1^1 - 8^3 + 9^1 + 7^4$
$1024 := -1^1 - 0^0 + 2^1 + 4^5$	$1386 := -1^1 + 3^3 + 8^2 + 6^4$	$1927 := -1^1 - 9^3 + 2^8 + 7^4$
$1232 := -1^1 - 2^3 + 3^6 + 2^9$	$1526 := -1^1 - 5^2 + 2^8 + 6^4$	$2033 := -2^7 + 0^0 - 3^3 + 3^7$
$1234 := -1^1 - 2^5 + 3^5 + 4^5$	$1546 := -1^1 - 5^1 + 4^4 + 6^4$	$2043 := -2^7 + 0^1 - 4^2 + 3^7$
$1236 := -1^1 - 2^5 - 3^3 + 6^4$	$1563 := -1^1 + 5^2 + 6^4 + 3^5$	$2044 := -2^2 + 0^1 + 4^5 + 4^5$
$1238 := -1^1 - 2^1 + 3^6 + 8^3$	$1569 := -1^1 + 5^4 + 6^3 + 9^3$	$2053 := -2^3 - 0^0 - 5^3 + 3^7$
$1239 := -1^1 + 2^9 - 3^0 + 9^3$	$1584 := -1^1 + 5^4 - 8^2 + 4^5$	$2064 := -2^8 + 0^1 + 6^4 + 4^5$
$1254 := -1^1 + 2^8 - 5^2 + 4^5$	$1632 := -1^1 + 6^4 + 3^4 + 2^8$	$2073 := -2^6 - 0^0 - 7^2 + 3^7$
$1256 := -1^1 - 2^6 + 5^2 + 6^4$	$1637 := -1^1 + 6^4 - 3^0 + 7^3$	$2123 := -2^6 + 1^0 - 2^0 + 3^7$
$1262 := -1^1 - 2^0 + 6^4 - 2^5$	$1638 := -1^1 - 6^2 + 3^7 - 8^3$	$2132 := -2^6 + 1^0 + 3^7 + 2^3$
$1264 := -1^1 - 2^5 + 6^4 + 4^0$	$1654 := -1^1 + 6^1 + 5^4 + 4^5$	$2133 := -2^6 + 1^0 + 3^2 + 3^7$
$1286 := -1^1 - 2^0 - 8^1 + 6^4$	$1672 := -1^1 - 6^3 + 7^4 - 2^9$	$2137 := -2^8 + 1^0 - 3^2 + 7^4$
$1296 := -1^1 + 2^1 - 9^0 + 6^4$	$1723 := -1^1 + 7^2 - 2^9 + 3^7$	$2139 := -2^7 - 1^0 + 3^7 + 9^2$
$1326 := -1^1 - 3^0 + 2^5 + 6^4$	$1806 := -1^1 + 8^3 - 0^0 + 6^4$	$2147 := -2^8 + 1^0 + 4^0 + 7^4$
$1327 := -1^1 + 3^6 + 2^8 + 7^3$	$1856 := -1^1 - 8^2 + 5^4 + 6^4$	$2153 := -2^3 - 1^0 - 5^2 + 3^7$
$1329 := -1^1 + 3^6 - 2^7 + 9^3$	$1872 := -1^1 - 8^3 + 7^4 - 2^4$	$2173 := -2^3 + 1^0 - 7^1 + 3^7$
$1354 := -1^1 + 3^6 + 5^4 + 4^0$	$1879 := -1^1 - 8^3 + 7^4 - 9^1$	$2176 := -2^3 - 1^0 + 7^4 - 6^3$
$1362 := -1^1 + 3^1 + 6^4 + 2^6$	$1887 := -1^1 - 8^0 - 8^3 + 7^4$	$2183 := -2^1 - 1^0 - 8^0 + 3^7$

$$\begin{aligned}
2193 &:= -2^1 - 1^0 + 9^1 + 3^7 \\
2203 &:= -2^4 + 2^5 + 0^1 + 3^7 \\
2223 &:= -2^2 + 2^3 + 2^5 + 3^7 \\
2234 &:= -2^4 - 2^0 + 3^7 + 4^3 \\
2236 &:= -2^4 + 2^6 + 3^7 + 6^0 \\
2243 &:= -2^2 - 2^2 + 4^3 + 3^7 \\
2249 &:= -2^4 + 2^9 + 4^5 + 9^3 \\
2263 &:= -2^4 + 2^7 - 6^2 + 3^7 \\
2264 &:= -2^6 + 2^3 + 6^4 + 4^5 \\
2267 &:= -2^6 - 2^6 - 6^1 + 7^4 \\
2270 &:= -2^1 - 2^7 + 7^4 - 0^0 \\
2271 &:= -2^7 - 2^0 + 7^4 - 1^0 \\
2272 &:= -2^1 - 2^7 + 7^4 + 2^0 \\
2273 &:= -2^7 - 2^0 + 7^4 + 3^0 \\
2274 &:= -2^6 - 2^6 + 7^4 + 4^0 \\
2275 &:= -2^7 + 2^0 + 7^4 + 5^0 \\
2276 &:= -2^7 + 2^1 + 7^4 + 6^0 \\
2278 &:= -2^7 + 2^2 + 7^4 + 8^0 \\
2283 &:= -2^5 + 2^6 + 8^2 + 3^7 \\
2286 &:= -2^1 - 2^9 + 8^4 - 6^4 \\
2303 &:= -2^7 + 3^5 + 0^0 + 3^7 \\
2305 &:= -2^3 + 3^7 + 0^0 + 5^3 \\
2312 &:= -2^1 + 3^7 - 1^0 + 2^7 \\
2314 &:= -2^7 + 3^7 - 1^0 + 4^4 \\
2317 &:= -2^1 - 3^4 - 1^0 + 7^4 \\
2327 &:= -2^6 - 3^2 - 2^0 + 7^4 \\
2332 &:= -2^6 + 3^4 + 3^7 + 2^7 \\
2333 &:= -2^4 + 3^4 + 3^4 + 3^7 \\
2334 &:= -2^7 - 3^1 + 3^8 - 4^6 \\
2335 &:= -2^2 + 3^3 + 3^7 + 5^3 \\
2336 &:= -2^6 - 3^1 + 3^7 + 6^3 \\
2337 &:= -2^6 + 3^0 - 3^0 + 7^4 \\
2337 &:= -2^6 - 3^0 + 3^0 + 7^4 \\
2347 &:= -2^6 + 3^2 + 4^0 + 7^4 \\
2353 &:= -2^4 - 3^3 + 5^5 - 3^6 \\
2354 &:= -2^6 + 3^7 - 5^2 + 4^4 \\
2355 &:= -2^4 - 3^6 - 5^2 + 5^5 \\
2356 &:= -2^2 - 3^6 + 5^5 - 6^2
\end{aligned}$$

$$\begin{aligned}
2357 &:= -2^2 + 3^7 + 5^3 + 7^2 \\
2365 &:= -2^5 - 3^6 + 6^0 + 5^5 \\
2367 &:= -2^3 - 3^3 + 6^0 + 7^4 \\
2370 &:= -2^2 - 3^3 + 7^4 + 0^1 \\
2371 &:= -2^1 - 3^3 + 7^4 - 1^0 \\
2372 &:= -2^2 - 3^2 + 7^4 - 2^4 \\
2373 &:= -2^1 - 3^3 + 7^4 + 3^0 \\
2374 &:= -2^1 - 3^2 + 7^4 - 4^2 \\
2375 &:= -2^2 - 3^3 + 7^4 + 5^1 \\
2376 &:= -2^2 - 3^3 + 7^4 + 6^1 \\
2377 &:= -2^1 + 3^3 - 7^2 + 7^4 \\
2378 &:= -2^2 - 3^3 + 7^4 + 8^1 \\
2379 &:= -2^2 - 3^2 + 7^4 - 9^1 \\
2386 &:= -2^4 + 3^7 - 8^0 + 6^3 \\
2387 &:= -2^2 - 3^2 - 8^0 + 7^4 \\
2392 &:= -2^2 + 3^7 + 9^2 + 2^7 \\
2395 &:= -2^1 + 3^0 - 9^3 + 5^5 \\
2396 &:= -2^3 + 3^7 + 9^0 + 6^3 \\
2397 &:= -2^1 - 3^0 - 9^0 + 7^4 \\
2398 &:= -2^6 - 3^1 + 9^4 - 8^4 \\
2423 &:= -2^2 - 4^2 + 2^8 + 3^7 \\
2427 &:= -2^1 - 4^1 + 2^5 + 7^4 \\
2429 &:= -2^2 - 4^6 - 2^5 + 9^4 \\
2432 &:= -2^5 - 4^6 + 3^8 - 2^0 \\
2434 &:= -2^3 - 4^0 + 3^7 + 4^4 \\
2436 &:= -2^3 + 4^4 + 3^7 + 6^0 \\
2443 &:= -2^2 + 4^1 + 4^4 + 3^7 \\
2445 &:= -2^1 - 4^5 + 4^6 - 5^4 \\
2447 &:= -2^1 - 4^2 + 4^3 + 7^4 \\
2449 &:= -2^5 + 4^2 - 4^6 + 9^4 \\
2463 &:= -2^2 + 4^3 + 6^3 + 3^7 \\
2464 &:= -2^5 - 4^7 - 6^6 + 4^8 \\
2467 &:= -2^2 + 4^3 + 6^1 + 7^4 \\
2469 &:= -2^1 - 4^6 + 6^1 + 9^4 \\
2473 &:= -2^3 - 4^0 + 7^4 + 3^4 \\
2479 &:= -2^1 - 4^0 + 7^4 + 9^2 \\
2485 &:= -2^6 - 4^3 - 8^3 + 5^5 \\
2517 &:= -2^3 + 5^3 - 1^0 + 7^4
\end{aligned}$$

$$\begin{aligned}
2533 &:= -2^9 + 5^5 - 3^4 + 3^0 \\
2537 &:= -2^4 + 5^3 + 3^3 + 7^4 \\
2552 &:= -2^9 - 5^3 + 5^5 + 2^6 \\
2572 &:= -2^9 + 5^5 - 7^2 + 2^3 \\
2573 &:= -2^9 + 5^5 - 7^2 + 3^2 \\
2574 &:= -2^4 + 5^3 + 7^4 + 4^3 \\
2576 &:= -2^4 - 5^2 + 7^4 + 6^3 \\
2578 &:= -2^9 + 5^4 + 7^4 + 8^2 \\
2582 &:= -2^5 + 5^5 - 8^3 + 2^0 \\
2596 &:= -2^4 + 5^5 - 9^3 + 6^3 \\
2615 &:= -2^9 + 6^0 + 1^0 + 5^5 \\
2637 &:= -2^3 + 6^0 + 3^5 + 7^4 \\
2643 &:= -2^4 + 6^3 + 4^4 + 3^7 \\
2645 &:= -2^3 - 6^3 - 4^4 + 5^5 \\
2647 &:= -2^2 - 6^1 + 4^4 + 7^4 \\
2649 &:= -2^5 + 6^3 - 4^6 + 9^4 \\
2650 &:= -2^9 + 6^2 + 5^5 + 0^0 \\
2652 &:= -2^8 - 6^3 + 5^5 - 2^0 \\
2654 &:= -2^8 - 6^3 + 5^5 + 4^0 \\
2669 &:= -2^2 + 6^4 + 6^4 + 9^2 \\
2687 &:= -2^6 - 6^4 + 8^4 - 7^2 \\
2695 &:= -2^9 + 6^0 + 9^2 + 5^5 \\
2727 &:= -2^4 + 7^3 - 2^0 + 7^4 \\
2732 &:= -2^4 + 7^2 + 3^7 + 2^9 \\
2734 &:= -2^2 + 7^4 + 3^4 + 4^4 \\
2735 &:= -2^2 + 7^3 - 3^6 + 5^5 \\
2736 &:= -2^7 - 7^4 + 3^8 - 6^4 \\
2737 &:= -2^2 + 7^3 - 3^1 + 7^4 \\
2738 &:= -2^8 + 7^4 + 3^4 + 8^3 \\
2739 &:= -2^7 - 7^2 + 3^7 + 9^3 \\
2750 &:= -2^5 - 7^3 + 5^5 + 0^1 \\
2751 &:= -2^5 - 7^3 + 5^5 + 1^0 \\
2752 &:= -2^5 - 7^3 + 5^5 + 2^1 \\
2753 &:= -2^1 - 7^3 + 5^5 - 3^3 \\
2754 &:= -2^5 - 7^3 + 5^5 + 4^1 \\
2755 &:= -2^1 - 7^3 - 5^2 + 5^5 \\
2756 &:= -2^5 - 7^3 + 5^5 + 6^1 \\
2757 &:= -2^5 - 7^3 + 5^5 + 7^1
\end{aligned}$$

$$\begin{aligned}
2758 &:= -2^4 - 7^3 + 5^5 - 8^1 \\
2759 &:= -2^5 - 7^3 + 5^5 + 9^1 \\
2765 &:= -2^4 - 7^3 - 6^0 + 5^5 \\
2772 &:= -2^2 + 7^3 + 7^4 + 2^5 \\
2775 &:= -2^3 + 7^0 - 7^3 + 5^5 \\
2776 &:= -2^2 + 7^3 + 7^4 + 6^2 \\
2777 &:= -2^4 + 7^2 + 7^3 + 7^4 \\
2778 &:= -2^7 - 7^1 + 7^4 + 8^3 \\
2779 &:= -2^3 - 7^3 + 7^4 + 9^3 \\
2786 &:= -2^7 + 7^4 + 8^3 + 6^0 \\
2793 &:= -2^1 - 7^5 - 9^2 + 3^9 \\
2795 &:= -2^8 + 7^1 - 9^2 + 5^5 \\
2805 &:= -2^8 - 8^2 + 0^1 + 5^5 \\
2823 &:= -2^2 + 8^3 + 2^7 + 3^7 \\
2843 &:= -2^8 + 8^4 - 4^5 + 3^3 \\
2845 &:= -2^4 - 8^1 - 4^4 + 5^5 \\
2847 &:= -2^1 + 8^3 - 4^3 + 7^4 \\
2849 &:= -2^7 + 8^3 - 4^6 + 9^4 \\
2852 &:= -2^4 - 8^0 + 5^5 - 2^8 \\
2859 &:= -2^8 - 8^0 + 5^5 - 9^1 \\
2862 &:= -2^1 + 8^4 - 6^4 + 2^6 \\
2873 &:= -2^1 - 8^0 - 7^5 + 3^9 \\
2875 &:= -2^8 - 8^0 + 7^1 + 5^5 \\
2885 &:= -2^8 + 8^1 + 8^1 + 5^5 \\
2913 &:= -2^1 + 9^3 - 1^0 + 3^7 \\
2915 &:= -2^7 - 9^2 - 1^0 + 5^5 \\
2932 &:= -2^4 + 9^3 + 3^7 + 2^5 \\
2933 &:= -2^6 + 9^2 + 3^6 + 3^7 \\
2936 &:= -2^4 + 9^3 + 3^7 + 6^2 \\
2950 &:= -2^8 + 9^2 + 5^5 + 0^1 \\
2951 &:= -2^8 + 9^2 + 5^5 + 1^0 \\
2952 &:= -2^8 + 9^2 + 5^5 + 2^1 \\
2953 &:= -2^6 - 9^2 + 5^5 - 3^3 \\
2954 &:= -2^8 + 9^2 + 5^5 + 4^1 \\
2955 &:= -2^6 - 9^2 - 5^2 + 5^5 \\
2956 &:= -2^8 + 9^2 + 5^5 + 6^1 \\
2957 &:= -2^8 + 9^2 + 5^5 + 7^1 \\
2958 &:= -2^8 + 9^2 + 5^5 + 8^1
\end{aligned}$$

$$\begin{aligned}
2959 &:= -2^2 - 9^2 + 5^5 - 9^2 \\
2978 &:= -2^4 + 9^2 + 7^4 + 8^3 \\
2993 &:= -2^2 + 9^2 + 9^3 + 3^7 \\
2995 &:= -2^7 - 9^0 - 9^0 + 5^5 \\
3035 &:= -3^2 + 0^1 - 3^4 + 5^5 \\
3044 &:= -3^3 - 0^0 - 4^5 + 4^6 \\
3045 &:= -3^4 + 0^1 + 4^0 + 5^5 \\
3052 &:= -3^2 + 0^1 + 5^5 - 2^6 \\
3053 &:= -3^4 + 0^1 + 5^5 + 3^2 \\
3058 &:= -3^1 + 0^1 + 5^5 - 8^2 \\
3125 &:= -3^1 + 1^0 + 2^1 + 5^5 \\
3185 &:= -3^1 - 1^0 + 8^2 + 5^5 \\
3225 &:= -3^3 - 2^0 + 2^7 + 5^5 \\
3234 &:= -3^2 + 2^5 + 3^7 + 4^5 \\
3235 &:= -3^1 + 2^5 + 3^4 + 5^5 \\
3236 &:= -3^5 - 2^2 + 3^7 + 6^4 \\
3238 &:= -3^6 - 2^7 - 3^0 + 8^4 \\
3240 &:= -3^6 - 2^7 + 4^6 + 0^0 \\
3245 &:= -3^2 + 2^7 + 4^0 + 5^5 \\
3250 &:= -3^1 + 2^7 + 5^5 + 0^1 \\
3251 &:= -3^1 + 2^7 + 5^5 + 1^0 \\
3252 &:= -3^1 + 2^1 + 5^5 + 2^7 \\
3253 &:= -3^1 + 2^7 + 5^5 + 3^1 \\
3254 &:= -3^1 + 2^7 + 5^5 + 4^1 \\
3255 &:= -3^1 + 2^3 + 5^3 + 5^5 \\
3256 &:= -3^1 + 2^7 + 5^5 + 6^1 \\
3257 &:= -3^1 + 2^7 + 5^5 + 7^1 \\
3258 &:= -3^1 + 2^7 + 5^5 + 8^1 \\
3259 &:= -3^1 + 2^7 + 5^5 + 9^1 \\
3275 &:= -3^3 + 2^7 + 7^2 + 5^5 \\
3294 &:= -3^2 - 2^6 - 9^3 + 4^6 \\
3324 &:= -3^3 - 3^6 - 2^4 + 4^6 \\
3325 &:= -3^2 + 3^4 + 2^7 + 5^5 \\
3340 &:= -3^3 - 3^6 + 4^6 + 0^1 \\
3341 &:= -3^3 - 3^6 + 4^6 + 1^0 \\
3342 &:= -3^2 - 3^6 + 4^6 - 2^4 \\
3343 &:= -3^3 - 3^6 + 4^6 + 3^1 \\
3344 &:= -3^3 - 3^6 + 4^1 + 4^6
\end{aligned}$$

$$\begin{aligned}
3345 &:= -3^2 - 3^3 + 4^4 + 5^5 \\
3346 &:= -3^3 - 3^6 + 4^6 + 6^1 \\
3347 &:= -3^3 - 3^6 + 4^6 + 7^1 \\
3348 &:= -3^1 - 3^6 - 4^2 + 8^4 \\
3349 &:= -3^2 - 3^2 + 4^6 - 9^3 \\
3356 &:= -3^4 + 3^8 - 5^5 + 6^0 \\
3364 &:= -3^2 - 3^6 + 6^1 + 4^6 \\
3365 &:= -3^1 + 3^3 + 6^3 + 5^5 \\
3366 &:= -3^4 + 3^7 - 6^2 + 6^4 \\
3382 &:= -3^6 - 3^0 + 8^4 + 2^4 \\
3384 &:= -3^6 + 3^0 + 8^4 + 4^2 \\
3385 &:= -3^2 - 3^5 + 8^3 + 5^5 \\
3417 &:= -3^2 + 4^5 + 1^0 + 7^4 \\
3432 &:= -3^6 + 4^6 + 3^0 + 2^6 \\
3434 &:= -3^6 + 4^3 + 3^1 + 4^6 \\
3435 &:= -3^3 + 4^4 + 3^4 + 5^5 \\
3436 &:= -3^5 - 4^6 - 3^0 + 6^5 \\
3439 &:= -3^2 + 4^6 - 3^6 + 9^2 \\
3449 &:= -3^6 + 4^0 + 4^6 + 9^2 \\
3452 &:= -3^3 + 4^6 - 5^4 + 2^3 \\
3453 &:= -3^2 + 4^4 + 5^5 + 3^4 \\
3454 &:= -3^4 + 4^3 - 5^4 + 4^6 \\
3456 &:= -3^6 + 4^5 + 5^5 + 6^2 \\
3457 &:= -3^3 + 4^2 + 5^5 + 7^3 \\
3458 &:= -3^2 - 4^1 - 5^4 + 8^4 \\
3459 &:= -3^1 + 4^4 + 5^5 + 9^2 \\
3472 &:= -3^4 + 4^5 + 7^4 + 2^7 \\
3473 &:= -3^4 + 4^5 + 7^3 + 3^7 \\
3475 &:= -3^2 + 4^2 + 7^3 + 5^5 \\
3479 &:= -3^3 + 4^5 + 7^4 + 9^2 \\
3492 &:= -3^1 + 4^6 - 9^3 + 2^7 \\
3497 &:= -3^2 + 4^5 + 9^2 + 7^4 \\
3522 &:= -3^5 + 5^5 + 2^7 + 2^9 \\
3524 &:= -3^6 + 5^3 + 2^5 + 4^6 \\
3528 &:= -3^4 + 5^2 - 2^9 + 8^4 \\
3543 &:= -3^2 - 5^4 + 4^6 + 3^4 \\
3545 &:= -3^6 + 5^3 + 4^5 + 5^5 \\
3546 &:= -3^2 - 5^3 - 4^6 + 6^5
\end{aligned}$$

$$\begin{aligned}
3547 &:= -3^1 + 5^3 + 4^5 + 7^4 \\
3549 &:= -3^1 - 5^4 + 4^6 + 9^2 \\
3562 &:= -3^4 + 5^5 + 6^1 + 2^9 \\
3583 &:= -3^4 + 5^5 + 8^3 + 3^3 \\
3585 &:= -3^3 - 5^2 + 8^3 + 5^5 \\
3617 &:= -3^4 + 6^4 + 1^0 + 7^4 \\
3624 &:= -3^6 + 6^0 + 2^8 + 4^6 \\
3634 &:= -3^1 - 6^3 - 3^5 + 4^6 \\
3635 &:= -3^1 - 6^3 + 3^6 + 5^5 \\
3638 &:= -3^5 - 6^3 + 3^0 + 8^4 \\
3639 &:= -3^6 - 6^1 - 3^7 + 9^4 \\
3656 &:= -3^6 - 6^2 + 5^5 + 6^4 \\
3657 &:= -3^3 + 6^3 + 5^5 + 7^3 \\
3670 &:= -3^3 + 6^4 + 7^4 + 0^1 \\
3671 &:= -3^3 + 6^4 + 7^4 + 1^0 \\
3672 &:= -3^3 + 6^4 + 7^4 + 2^1 \\
3673 &:= -3^3 + 6^4 + 7^4 + 3^1 \\
3674 &:= -3^3 + 6^4 + 7^4 + 4^1 \\
3675 &:= -3^2 + 6^3 + 7^3 + 5^5 \\
3676 &:= -3^3 + 6^1 + 7^4 + 6^4 \\
3677 &:= -3^3 + 6^4 + 7^1 + 7^4 \\
3678 &:= -3^3 + 6^4 + 7^4 + 8^1 \\
3679 &:= -3^3 + 6^4 + 7^4 + 9^1 \\
3687 &:= -3^2 + 6^4 - 8^0 + 7^4 \\
3697 &:= -3^2 + 6^4 + 9^1 + 7^4 \\
3724 &:= -3^3 - 7^3 - 2^1 + 4^6 \\
3726 &:= -3^1 + 7^4 + 2^5 + 6^4 \\
3728 &:= -3^2 - 7^3 - 2^4 + 8^4 \\
3742 &:= -3^1 - 7^3 + 4^6 - 2^3 \\
3743 &:= -3^2 - 7^3 + 4^6 - 3^0 \\
3745 &:= -3^1 - 7^3 + 4^6 - 5^1 \\
3746 &:= -3^6 + 7^3 + 4^6 + 6^2 \\
3748 &:= -3^2 - 7^3 + 4^1 + 8^4 \\
3749 &:= -3^1 - 7^3 + 4^6 - 9^0 \\
3766 &:= -3^8 + 7^5 - 6^5 + 6^4 \\
3768 &:= -3^5 - 7^2 - 6^2 + 8^4 \\
3769 &:= -3^2 + 7^4 + 6^4 + 9^2 \\
3782 &:= -3^1 - 7^3 + 8^4 + 2^5
\end{aligned}$$

$$\begin{aligned}
3786 &:= -3^1 - 7^3 + 8^4 + 6^2 \\
3788 &:= -3^5 - 7^0 - 8^2 + 8^4 \\
3822 &:= -3^5 + 8^4 - 2^5 + 2^0 \\
3834 &:= -3^3 + 8^1 - 3^5 + 4^6 \\
3835 &:= -3^3 + 8^1 + 3^6 + 5^5 \\
3843 &:= -3^2 - 8^0 + 4^6 - 3^5 \\
3844 &:= -3^5 - 8^1 - 4^0 + 4^6 \\
3846 &:= -3^5 - 8^0 + 4^6 - 6^1 \\
3848 &:= -3^5 - 8^0 - 4^1 + 8^4 \\
3852 &:= -3^5 + 8^4 - 5^1 + 2^2 \\
3853 &:= -3^2 + 8^1 + 5^5 + 3^6 \\
3854 &:= -3^6 + 8^3 - 5^2 + 4^6 \\
3855 &:= -3^5 + 8^4 + 5^0 + 5^0 \\
3859 &:= -3^1 + 8^1 + 5^5 + 9^3 \\
3860 &:= -3^5 + 8^4 + 6^1 + 0^0 \\
3862 &:= -3^5 + 8^4 + 6^0 + 2^3 \\
3863 &:= -3^5 + 8^4 + 6^0 + 3^2 \\
3872 &:= -3^2 + 8^4 - 7^3 + 2^7 \\
3873 &:= -3^2 + 8^4 - 7^4 + 3^7 \\
3875 &:= -3^1 + 8^4 - 7^3 + 5^3 \\
3878 &:= -3^6 + 8^3 - 7^0 + 8^4 \\
3880 &:= -3^6 + 8^3 + 8^4 + 0^0 \\
3924 &:= -3^3 - 9^2 - 2^6 + 4^6 \\
3942 &:= -3^2 - 9^2 + 4^6 - 2^6 \\
3943 &:= -3^4 - 9^2 + 4^6 + 3^2 \\
3948 &:= -3^1 - 9^2 - 4^3 + 8^4 \\
3964 &:= -3^3 - 9^5 + 6^6 + 4^7 \\
3982 &:= -3^4 - 9^0 + 8^4 - 2^5 \\
3984 &:= -3^3 - 9^2 + 8^4 - 4^1 \\
3987 &:= -3^3 - 9^2 + 8^4 - 7^0 \\
3989 &:= -3^3 - 9^2 + 8^4 + 9^0 \\
4024 &:= -4^3 + 0^1 - 2^3 + 4^6 \\
4028 &:= -4^1 + 0^1 - 2^6 + 8^4 \\
4034 &:= -4^3 + 0^0 + 3^0 + 4^6 \\
4048 &:= -4^3 + 0^1 + 4^2 + 8^4 \\
4053 &:= -4^1 - 0^0 - 5^6 + 3^9 \\
4054 &:= -4^2 - 0^0 - 5^2 + 4^6 \\
4058 &:= -4^3 + 0^0 + 5^2 + 8^4
\end{aligned}$$

$$\begin{aligned}
4068 &:= -4^3 + 0^1 + 6^2 + 8^4 \\
4074 &:= -4^2 + 0^0 - 7^1 + 4^6 \\
4078 &:= -4^2 - 0^0 - 7^0 + 8^4 \\
4080 &:= -4^2 - 0^0 + 8^4 + 0^0 \\
4081 &:= -4^2 + 0^1 + 8^4 + 1^0 \\
4082 &:= -4^2 + 0^0 + 8^4 + 2^0 \\
4083 &:= -4^1 + 0^1 + 8^4 - 3^2 \\
4084 &:= -4^1 + 0^1 - 8^1 + 4^6 \\
4085 &:= -4^2 + 0^1 + 8^4 + 5^1 \\
4086 &:= -4^1 + 0^1 + 8^4 - 6^1 \\
4087 &:= -4^2 + 0^1 + 8^4 + 7^1 \\
4088 &:= -4^2 + 0^1 + 8^1 + 8^4 \\
4089 &:= -4^2 + 0^1 + 8^4 + 9^1 \\
4094 &:= -4^1 + 0^0 + 9^0 + 4^6 \\
4158 &:= -4^3 + 1^0 + 5^3 + 8^4 \\
4208 &:= -4^2 + 2^7 + 0^1 + 8^4 \\
4224 &:= -4^1 + 2^2 + 2^7 + 4^6 \\
4228 &:= -4^1 + 2^3 + 2^7 + 8^4 \\
4243 &:= -4^3 - 2^5 + 4^6 + 3^5 \\
4245 &:= -4^1 + 2^7 + 4^6 + 5^2 \\
4246 &:= -4^3 - 2^1 + 4^6 + 6^3 \\
4247 &:= -4^3 - 2^7 + 4^6 + 7^3 \\
4249 &:= -4^3 - 2^9 + 4^6 + 9^3 \\
4264 &:= -4^2 - 2^5 + 6^3 + 4^6 \\
4265 &:= -4^6 + 2^9 - 6^5 + 5^6 \\
4283 &:= -4^3 + 2^3 + 8^4 + 3^5 \\
4284 &:= -4^1 - 2^6 + 8^4 + 4^4 \\
4285 &:= -4^3 + 2^7 + 8^4 + 5^3 \\
4288 &:= -4^3 - 2^8 + 8^3 + 8^4 \\
4289 &:= -4^2 + 2^7 + 8^4 + 9^2 \\
4309 &:= -4^3 - 3^7 - 0^0 + 9^4 \\
4324 &:= -4^2 + 3^5 + 2^0 + 4^6 \\
4334 &:= -4^1 - 3^0 + 3^5 + 4^6 \\
4335 &:= -4^3 + 3^7 + 3^7 + 5^2 \\
4338 &:= -4^1 + 3^1 + 3^5 + 8^4 \\
4352 &:= -4^5 + 3^7 + 5^5 + 2^6 \\
4353 &:= -4^2 + 3^7 - 5^1 + 3^7 \\
4356 &:= -4^3 - 3^0 + 5^5 + 6^4
\end{aligned}$$

$$\begin{aligned}
4357 &:= -4^4 + 3^7 + 5^2 + 7^4 \\
4359 &:= -4^2 - 3^7 + 5^0 + 9^4 \\
4369 &:= -4^1 - 3^7 - 6^0 + 9^4 \\
4374 &:= -4^3 - 3^0 + 7^3 + 4^6 \\
4378 &:= -4^3 + 3^1 + 7^3 + 8^4 \\
4395 &:= -4^1 - 3^7 + 9^4 + 5^2 \\
4427 &:= -4^1 + 4^6 - 2^3 + 7^3 \\
4429 &:= -4^1 + 4^6 + 2^8 + 9^2 \\
4449 &:= -4^3 - 4^5 - 4^5 + 9^4 \\
4487 &:= -4^2 + 4^3 + 8^4 + 7^3 \\
4553 &:= -4^7 + 5^5 + 5^6 + 3^7 \\
4573 &:= -4^2 + 5^0 + 7^4 + 3^7 \\
4586 &:= -4^3 - 5^5 - 8^0 + 6^5 \\
4594 &:= -4^4 + 5^2 + 9^3 + 4^6 \\
4596 &:= -4^3 - 5^5 + 9^1 + 6^5 \\
4624 &:= -4^4 + 6^4 - 2^9 + 4^6 \\
4628 &:= -4^2 + 6^2 + 2^9 + 8^4 \\
4648 &:= -4^4 - 6^3 + 4^5 + 8^4 \\
4658 &:= -4^3 + 6^0 + 5^4 + 8^4 \\
4689 &:= -4^3 - 6^4 - 8^3 + 9^4 \\
4737 &:= -4^3 + 7^4 - 3^0 + 7^4 \\
4754 &:= -4^2 + 7^2 + 5^4 + 4^6 \\
4776 &:= -4^4 - 7^3 - 7^4 + 6^5 \\
4778 &:= -4^1 + 7^3 + 7^3 + 8^4 \\
4787 &:= -4^2 + 7^4 + 8^0 + 7^4 \\
4797 &:= -4^1 + 7^4 - 9^0 + 7^4 \\
4809 &:= -4^2 + 8^4 + 0^1 + 9^3 \\
4823 &:= -4^1 + 8^4 + 2^1 + 3^6 \\
4829 &:= -4^1 + 8^4 + 2^3 + 9^3 \\
4848 &:= -4^2 + 8^3 + 4^4 + 8^4 \\
4864 &:= -4^2 - 8^3 + 6^4 + 4^6 \\
4887 &:= -4^3 + 8^3 + 8^4 + 7^3 \\
4935 &:= -4^3 + 9^4 - 3^7 + 5^4 \\
4952 &:= -4^6 - 9^4 + 5^6 - 2^4 \\
4959 &:= -4^6 - 9^1 + 5^6 - 9^4 \\
4975 &:= -4^6 - 9^4 + 7^1 + 5^6 \\
5162 &:= -5^5 - 1^0 + 6^5 + 2^9 \\
5236 &:= -5^2 - 2^2 + 3^8 - 6^4
\end{aligned}$$

$$\begin{aligned}
5239 &:= -5^4 + 2^5 - 3^6 + 9^4 \\
5268 &:= -5^3 + 2^0 + 6^4 + 8^4 \\
5274 &:= -5^6 - 2^2 + 7^5 + 4^6 \\
5295 &:= -5^4 - 2^4 + 9^4 - 5^4 \\
5347 &:= -5^6 + 3^7 + 4^7 + 7^4 \\
5362 &:= -5^6 + 3^9 + 6^4 + 2^3 \\
5363 &:= -5^6 + 3^2 + 6^4 + 3^9 \\
5364 &:= -5^2 - 3^1 + 6^4 + 4^6 \\
5365 &:= -5^2 + 3^8 - 6^4 + 5^3 \\
5367 &:= -5^1 - 3^1 + 6^5 - 7^4 \\
5368 &:= -5^2 + 3^0 + 6^4 + 8^4 \\
5369 &:= -5^4 + 3^6 - 6^4 + 9^4 \\
5386 &:= -5^1 - 3^0 + 8^4 + 6^4 \\
5413 &:= -5^3 - 4^5 + 1^0 + 3^8 \\
5423 &:= -5^4 - 4^0 - 2^9 + 3^8 \\
5439 &:= -5^3 - 4^5 + 3^3 + 9^4 \\
5457 &:= -5^1 - 4^3 + 5^5 + 7^4 \\
5463 &:= -5^3 - 4^0 + 6^5 - 3^7 \\
5493 &:= -5^3 - 4^5 + 9^2 + 3^8 \\
5496 &:= -5^1 - 4^5 + 9^4 - 6^2 \\
5543 &:= -5^2 + 5^5 + 4^4 + 3^7 \\
5563 &:= -5^2 - 5^0 + 6^5 - 3^7 \\
5639 &:= -5^4 - 6^3 - 3^4 + 9^4 \\
5674 &:= -5^5 + 6^5 - 7^0 + 4^5 \\
5693 &:= -5^4 - 6^3 + 9^4 - 3^3 \\
5695 &:= -5^2 - 6^3 + 9^4 - 5^4 \\
5729 &:= -5^4 + 7^2 - 2^8 + 9^4 \\
5762 &:= -5^3 - 7^4 + 6^5 + 2^9 \\
5769 &:= -5^4 + 7^2 - 6^3 + 9^4 \\
5836 &:= -5^4 - 8^2 + 3^8 - 6^2 \\
5873 &:= -5^4 - 8^2 + 7^0 + 3^8 \\
5879 &:= -5^4 - 8^1 - 7^2 + 9^4 \\
5892 &:= -5^3 - 8^3 + 9^4 - 2^5 \\
5920 &:= -5^4 + 9^4 - 2^4 + 0^1 \\
5921 &:= -5^4 + 9^4 - 2^4 + 1^0 \\
5922 &:= -5^4 + 9^4 - 2^4 + 2^1 \\
5923 &:= -5^3 - 9^0 - 2^9 + 3^8 \\
5924 &:= -5^4 + 9^4 - 2^4 + 4^1
\end{aligned}$$

$$\begin{aligned}
5925 &:= -5^3 + 9^4 - 2^9 + 5^0 \\
5926 &:= -5^4 + 9^4 - 2^4 + 6^1 \\
5927 &:= -5^4 + 9^4 - 2^4 + 7^1 \\
5928 &:= -5^4 + 9^4 - 2^4 + 8^1 \\
5929 &:= -5^4 + 9^0 - 2^3 + 9^4 \\
5934 &:= -5^4 - 9^0 + 3^8 - 4^0 \\
5936 &:= -5^4 - 9^0 + 3^8 + 6^0 \\
5938 &:= -5^4 + 9^0 + 3^8 + 8^0 \\
5940 &:= -5^4 + 9^4 + 4^1 + 0^1 \\
5941 &:= -5^4 + 9^4 + 4^1 + 1^0 \\
5942 &:= -5^4 + 9^4 + 4^1 + 2^1 \\
5943 &:= -5^4 - 9^1 + 4^2 + 3^8 \\
5944 &:= -5^4 + 9^4 + 4^1 + 4^1 \\
5945 &:= -5^4 + 9^4 + 4^1 + 5^1 \\
5946 &:= -5^4 + 9^4 + 4^1 + 6^1 \\
5947 &:= -5^4 + 9^4 + 4^1 + 7^1 \\
5948 &:= -5^4 + 9^4 + 4^1 + 8^1 \\
5949 &:= -5^4 + 9^1 + 4^1 + 9^4 \\
5962 &:= -5^4 + 9^4 - 6^1 + 2^5 \\
5963 &:= -5^4 - 9^1 + 6^2 + 3^8 \\
5964 &:= -5^4 + 9^4 - 6^2 + 4^3 \\
5966 &:= -5^4 + 9^4 - 6^1 + 6^2 \\
5969 &:= -5^2 + 9^3 - 6^4 + 9^4 \\
5988 &:= -5^3 + 9^4 - 8^3 + 8^2 \\
6226 &:= -6^4 + 2^1 - 2^8 + 6^5 \\
6236 &:= -6^4 - 2^0 - 3^5 + 6^5 \\
6243 &:= -6^2 - 2^2 + 4^6 + 3^7 \\
6249 &:= -6^3 - 2^5 - 4^3 + 9^4 \\
6263 &:= -6^1 - 2^8 - 6^2 + 3^8 \\
6266 &:= -6^3 + 2^1 - 6^4 + 6^5 \\
6283 &:= -6^3 + 2^1 - 8^2 + 3^8 \\
6289 &:= -6^3 + 2^3 - 8^2 + 9^4 \\
6298 &:= -6^1 - 2^8 + 9^4 - 8^0 \\
6313 &:= -6^1 - 3^5 + 1^0 + 3^8 \\
6319 &:= -6^3 - 3^3 + 1^0 + 9^4 \\
6332 &:= -6^3 - 3^2 + 3^8 - 2^2 \\
6333 &:= -6^3 - 3^1 - 3^2 + 3^8 \\
6334 &:= -6^3 - 3^3 + 3^8 + 4^2
\end{aligned}$$

$$\begin{aligned}
6335 &:= -6^3 - 3^2 + 3^8 - 5^0 \\
6336 &:= -6^1 - 3^1 + 3^8 - 6^3 \\
6337 &:= -6^3 - 3^0 + 3^8 - 7^1 \\
6338 &:= -6^1 - 3^6 + 3^8 + 8^3 \\
6339 &:= -6^1 + 3^3 - 3^5 + 9^4 \\
6342 &:= -6^3 + 3^8 - 4^1 + 2^0 \\
6343 &:= -6^3 - 3^0 - 4^0 + 3^8 \\
6345 &:= -6^3 + 3^8 - 4^0 + 5^0 \\
6347 &:= -6^3 + 3^8 + 4^0 + 7^0 \\
6349 &:= -6^3 + 3^1 + 4^0 + 9^4 \\
6350 &:= -6^3 + 3^8 + 5^1 + 0^1 \\
6351 &:= -6^3 + 3^8 + 5^1 + 1^0 \\
6352 &:= -6^3 + 3^8 - 5^0 + 2^3 \\
6353 &:= -6^3 + 3^1 + 5^1 + 3^8 \\
6354 &:= -6^3 + 3^8 + 5^1 + 4^1 \\
6355 &:= -6^3 + 3^8 + 5^1 + 5^1 \\
6356 &:= -6^3 + 3^8 + 5^1 + 6^1 \\
6357 &:= -6^3 + 3^8 + 5^1 + 7^1 \\
6358 &:= -6^3 + 3^8 + 5^1 + 8^1 \\
6359 &:= -6^3 + 3^2 + 5^1 + 9^4 \\
6362 &:= -6^3 + 3^8 + 6^0 + 2^4 \\
6373 &:= -6^3 + 3^3 + 7^0 + 3^8 \\
6379 &:= -6^3 + 3^3 + 7^1 + 9^4 \\
6392 &:= -6^3 - 3^4 + 9^4 + 2^7 \\
6393 &:= -6^1 - 3^4 - 9^2 + 3^8 \\
6396 &:= -6^4 - 3^1 - 9^2 + 6^5 \\
6397 &:= -6^3 + 3^1 + 9^4 + 7^2 \\
6399 &:= -6^3 - 3^3 + 9^2 + 9^4 \\
6409 &:= -6^3 + 4^3 + 0^1 + 9^4 \\
6423 &:= -6^1 - 4^1 - 2^7 + 3^8 \\
6427 &:= -6^1 + 4^6 - 2^6 + 7^4 \\
6429 &:= -6^2 - 4^3 - 2^5 + 9^4 \\
6456 &:= -6^4 + 4^0 - 5^2 + 6^5 \\
6462 &:= -6^4 - 4^2 + 6^5 - 2^1 \\
6463 &:= -6^2 + 4^6 + 6^3 + 3^7 \\
6465 &:= -6^4 - 4^2 + 6^5 + 5^0 \\
6467 &:= -6^2 + 4^6 + 6^1 + 7^4 \\
6468 &:= -6^4 - 4^1 + 6^5 - 8^1
\end{aligned}$$

$$\begin{aligned}
6483 &:= -6^1 - 4^3 - 8^1 + 3^8 \\
6487 &:= -6^1 - 4^1 + 8^4 + 7^4 \\
6490 &:= -6^1 - 4^3 + 9^4 - 0^0 \\
6492 &:= -6^1 - 4^3 + 9^4 + 2^0 \\
6506 &:= -6^4 + 5^2 + 0^0 + 6^5 \\
6519 &:= -6^2 - 5^1 - 1^0 + 9^4 \\
6523 &:= -6^2 - 5^0 - 2^0 + 3^8 \\
6529 &:= -6^1 - 5^2 - 2^0 + 9^4 \\
6530 &:= -6^1 - 5^2 + 3^8 + 0^1 \\
6531 &:= -6^1 - 5^2 + 3^8 + 1^0 \\
6532 &:= -6^1 - 5^2 + 3^8 + 2^1 \\
6533 &:= -6^1 + 5^1 - 3^3 + 3^8 \\
6534 &:= -6^1 - 5^1 + 3^8 - 4^2 \\
6535 &:= -6^1 - 5^2 + 3^8 + 5^1 \\
6536 &:= -6^1 - 5^2 + 3^8 + 6^1 \\
6537 &:= -6^1 - 5^2 + 3^8 + 7^1 \\
6538 &:= -6^1 - 5^2 + 3^8 + 8^1 \\
6539 &:= -6^1 - 5^2 + 3^2 + 9^4 \\
6549 &:= -6^1 - 5^1 - 4^0 + 9^4 \\
6553 &:= -6^1 - 5^0 - 5^0 + 3^8 \\
6557 &:= -6^2 + 5^5 + 5^5 + 7^3 \\
6559 &:= -6^1 - 5^0 + 5^1 + 9^4 \\
6573 &:= -6^1 + 5^2 - 7^1 + 3^8 \\
6579 &:= -6^1 + 5^2 - 7^0 + 9^4 \\
6592 &:= -6^1 + 5^1 + 9^4 + 2^5 \\
6593 &:= -6^3 + 5^1 + 9^4 + 3^5 \\
6594 &:= -6^1 - 5^2 + 9^4 + 4^3 \\
6595 &:= -6^3 + 5^3 + 9^4 + 5^3 \\
6596 &:= -6^1 + 5^1 + 9^4 + 6^2 \\
6599 &:= -6^1 + 5^3 - 9^2 + 9^4 \\
6605 &:= -6^4 + 6^5 + 0^1 + 5^3 \\
6623 &:= -6^1 + 6^2 + 2^5 + 3^8 \\
6624 &:= -6^4 + 6^5 + 2^7 + 4^2 \\
6732 &:= -6^1 + 7^2 + 3^8 + 2^7 \\
6734 &:= -6^1 + 7^4 + 3^5 + 4^6 \\
6737 &:= -6^3 + 7^2 + 3^8 + 7^3 \\
6739 &:= -6^2 + 7^4 - 3^7 + 9^4 \\
6773 &:= -6^3 + 7^4 + 7^4 + 3^7
\end{aligned}$$

$$\begin{aligned}
6794 &:= -6^2 + 7^3 - 9^5 + 4^8 \\
6825 &:= -6^5 - 8^3 - 2^9 + 5^6 \\
6863 &:= -6^3 + 8^3 + 6^1 + 3^8 \\
6888 &:= -6^4 - 8^1 + 8^4 + 8^4 \\
6897 &:= -6^1 - 8^0 + 9^4 + 7^3 \\
6937 &:= -6^4 - 9^3 + 3^8 + 7^4 \\
6938 &:= -6^3 + 9^2 + 3^8 + 8^3 \\
6954 &:= -6^1 + 9^4 - 5^4 + 4^5 \\
6956 &:= -6^3 - 9^3 + 5^3 + 6^5 \\
6979 &:= -6^1 + 9^2 + 7^3 + 9^4 \\
6993 &:= -6^3 - 9^2 + 9^3 + 3^8 \\
7023 &:= -7^2 - 0^0 + 2^9 + 3^8 \\
7216 &:= -7^2 - 2^9 + 1^0 + 6^5 \\
7233 &:= -7^2 - 2^3 + 3^6 + 3^8 \\
7234 &:= -7^3 - 2^3 + 3^8 + 4^5 \\
7239 &:= -7^2 - 2^1 + 3^6 + 9^4 \\
7243 &:= -7^3 + 2^0 + 4^5 + 3^8 \\
7253 &:= -7^4 - 2^5 + 5^5 + 3^8 \\
7256 &:= -7^1 - 2^9 - 5^0 + 6^5 \\
7294 &:= -7^4 - 2^7 - 9^4 + 4^7 \\
7296 &:= -7^1 + 2^8 - 9^3 + 6^5 \\
7299 &:= -7^1 + 2^4 + 9^3 + 9^4 \\
7322 &:= -7^1 + 3^8 + 2^8 + 2^9 \\
7368 &:= -7^3 - 3^0 + 6^5 - 8^2 \\
7416 &:= -7^3 - 4^2 - 1^0 + 6^5 \\
7426 &:= -7^3 + 4^0 - 2^3 + 6^5 \\
7435 &:= -7^1 + 4^4 + 3^8 + 5^4 \\
7436 &:= -7^3 + 4^1 - 3^0 + 6^5 \\
7453 &:= -7^1 + 4^5 - 5^3 + 3^8 \\
7496 &:= -7^3 + 4^3 - 9^0 + 6^5 \\
7526 &:= -7^3 + 5^3 - 2^5 + 6^5 \\
7562 &:= -7^3 + 5^0 + 6^5 + 2^7 \\
7563 &:= -7^1 - 5^3 + 6^5 - 3^4 \\
7564 &:= -7^3 - 5^3 + 6^5 + 4^4 \\
7566 &:= -7^2 - 5^3 - 6^2 + 6^5 \\
7635 &:= -7^4 - 6^5 + 3^7 + 5^6 \\
7652 &:= -7^1 + 6^5 - 5^3 + 2^3 \\
7653 &:= -7^1 + 6^5 - 5^3 + 3^2
\end{aligned}$$

$$\begin{aligned}
7662 &:= -7^2 - 6^0 + 6^5 - 2^6 \\
7679 &:= -7^2 + 6^5 - 7^2 + 9^0 \\
7692 &:= -7^1 + 6^5 - 9^2 + 2^2 \\
7726 &:= -7^2 + 7^0 - 2^1 + 6^5 \\
7746 &:= -7^1 - 7^1 - 4^2 + 6^5 \\
7761 &:= -7^1 - 7^1 + 6^5 - 1^0 \\
7763 &:= -7^1 - 7^1 + 6^5 + 3^0 \\
7764 &:= -7^1 - 7^0 + 6^5 - 4^1 \\
7767 &:= -7^1 - 7^0 + 6^5 - 7^0 \\
7769 &:= -7^1 - 7^0 + 6^5 + 9^0 \\
7786 &:= -7^1 + 7^4 + 8^4 + 6^4 \\
7836 &:= -7^1 + 8^2 + 3^1 + 6^5 \\
7837 &:= -7^4 - 8^1 - 3^8 + 7^5 \\
7848 &:= -7^3 - 8^0 + 4^6 + 8^4 \\
7854 &:= -7^3 + 8^4 + 5^1 + 4^6 \\
7893 &:= -7^3 - 8^3 + 9^4 + 3^7 \\
7986 &:= -7^1 + 9^3 - 8^3 + 6^5 \\
8226 &:= -8^2 + 2^1 + 2^9 + 6^5 \\
8248 &:= -8^1 + 2^6 + 4^6 + 8^4 \\
8265 &:= -8^1 - 2^7 + 6^5 + 5^4
\end{aligned}$$

$$\begin{aligned}
8296 &:= -8^4 - 2^0 + 9^5 - 6^6 \\
8337 &:= -8^4 - 3^7 - 3^7 + 7^5 \\
8485 &:= -8^1 - 4^8 - 8^4 + 5^7 \\
8496 &:= -8^1 - 4^0 + 9^3 + 6^5 \\
8733 &:= -8^1 - 7^1 + 3^7 + 3^8 \\
8739 &:= -8^1 - 7^0 + 3^7 + 9^4 \\
8897 &:= -8^2 - 8^0 + 9^4 + 7^4 \\
8979 &:= -8^2 + 9^2 + 7^4 + 9^4 \\
9057 &:= -9^4 + 0^1 + 5^6 - 7^1 \\
9065 &:= -9^4 + 0^1 + 6^0 + 5^6 \\
9094 &:= -9^3 + 0^1 - 9^4 + 4^7 \\
9236 &:= -9^3 + 2^1 + 3^7 + 6^5 \\
9324 &:= -9^4 - 3^5 - 2^8 + 4^7 \\
9362 &:= -9^3 + 3^7 + 6^5 + 2^7 \\
9364 &:= -9^4 - 3^5 - 6^3 + 4^7 \\
9367 &:= -9^2 - 3^6 + 6^5 + 7^4 \\
9437 &:= -9^3 + 4^7 - 3^8 + 7^3 \\
9454 &:= -9^4 + 4^4 - 5^4 + 4^7 \\
9455 &:= -9^1 - 4^8 - 5^5 + 5^7 \\
9478 &:= -9^4 - 4^4 + 7^5 - 8^3
\end{aligned}$$

$$\begin{aligned}
9542 &:= -9^4 - 5^2 + 4^7 - 2^8 \\
9569 &:= -9^2 + 5^5 - 6^2 + 9^4 \\
9634 &:= -9^4 - 6^3 + 3^3 + 4^7 \\
9657 &:= -9^4 + 6^2 - 5^4 + 7^5 \\
9679 &:= -9^2 - 6^5 + 7^5 + 9^3 \\
9727 &:= -9^4 - 7^1 - 2^9 + 7^5 \\
9742 &:= -9^4 - 7^2 + 4^7 - 2^5 \\
9745 &:= -9^4 - 7^3 + 4^5 + 5^6 \\
9814 &:= -9^4 - 8^1 - 1^0 + 4^7 \\
9824 &:= -9^4 - 8^0 + 2^1 + 4^7 \\
9834 &:= -9^4 + 8^1 + 3^1 + 4^7 \\
9879 &:= -9^3 + 8^4 - 7^2 + 9^4 \\
9904 &:= -9^4 + 9^2 + 0^1 + 4^7 \\
9924 &:= -9^3 + 9^4 - 2^2 + 4^6 \\
9942 &:= -9^1 - 9^4 + 4^7 + 2^7 \\
9944 &:= -9^3 + 9^4 + 4^2 + 4^6 \\
9963 &:= -9^1 + 9^1 + 6^5 + 3^7 \\
9964 &:= -9^3 + 9^4 + 6^2 + 4^6
\end{aligned}$$

$$\begin{aligned}
10176 &:= -1^1 - 0^0 + 1^0 + 7^4 + 6^5 \\
10237 &:= -1^1 + 0^1 - 2^3 - 3^8 + 7^5 \\
10372 &:= -1^1 - 0^0 - 3^8 + 7^5 + 2^7 \\
10649 &:= -1^1 - 0^0 - 6^1 + 4^6 + 9^4 \\
10687 &:= -1^1 - 0^0 + 6^5 + 8^3 + 7^4 \\
10846 &:= -1^1 - 0^0 + 8^4 - 4^5 + 6^5 \\
10933 &:= -1^1 - 0^0 + 9^4 + 3^7 + 3^7 \\
10973 &:= -1^1 - 0^0 + 9^3 + 7^5 - 3^8 \\
11528 &:= -1^1 - 1^0 + 5^6 + 2^0 - 8^4 \\
11538 &:= -1^1 + 1^0 + 5^6 + 3^2 - 8^4 \\
11554 &:= -1^1 + 1^0 + 5^2 + 5^6 - 4^6 \\
11578 &:= -1^1 + 1^0 + 5^6 + 7^2 - 8^4 \\
11862 &:= -1^1 - 1^0 + 8^4 + 6^5 - 2^3 \\
11863 &:= -1^1 + 1^0 + 8^4 + 6^5 - 3^2 \\
11864 &:= -1^1 + 1^0 - 8^1 + 6^5 + 4^6 \\
11865 &:= -1^1 - 1^0 + 8^4 + 6^5 - 5^1 \\
11866 &:= -1^1 + 1^0 + 8^4 + 6^5 - 6^1 \\
11869 &:= -1^1 - 1^0 + 8^4 + 6^5 - 9^0
\end{aligned}$$

$$\begin{aligned}
12284 &:= -1^1 - 2^0 - 2^1 - 8^4 + 4^7 \\
12296 &:= -1^1 - 2^5 - 2^6 + 9^5 - 6^6 \\
12348 &:= -1^1 + 2^6 - 3^1 + 4^7 - 8^4 \\
12367 &:= -1^1 + 2^2 + 3^7 + 6^5 + 7^4 \\
12369 &:= -1^1 - 2^5 + 3^2 - 6^6 + 9^5 \\
12386 &:= -1^1 - 2^5 + 3^9 + 8^3 - 6^5 \\
12393 &:= -1^1 + 2^0 - 3^6 + 9^4 + 3^8 \\
12396 &:= -1^1 + 2^0 + 3^1 + 9^5 - 6^6 \\
12435 &:= -1^1 - 2^9 + 4^7 - 3^8 + 5^5 \\
12452 &:= -1^1 - 2^3 - 4^8 + 5^7 - 2^7 \\
12453 &:= -1^1 - 2^3 - 4^6 - 5^5 + 3^9 \\
12455 &:= -1^1 - 2^3 - 4^8 - 5^3 + 5^7 \\
12456 &:= -1^1 + 2^9 + 4^6 + 5^6 - 6^5 \\
12457 &:= -1^1 - 2^7 - 4^6 - 5^3 + 7^5 \\
12459 &:= -1^1 - 2^7 - 4^8 + 5^7 - 9^0 \\
12475 &:= -1^1 - 2^6 - 4^8 - 7^2 + 5^7 \\
12479 &:= -1^1 + 2^8 + 4^7 + 7^4 - 9^4 \\
12524 &:= -1^1 - 2^5 + 5^7 - 2^5 - 4^8
\end{aligned}$$

$$\begin{aligned}
12544 &:= -1^1 - 2^3 + 5^6 + 4^5 - 4^6 \\
12548 &:= -1^1 - 2^2 + 5^6 + 4^5 - 8^4 \\
12568 &:= -1^1 - 2^8 + 5^6 + 6^4 - 8^4 \\
12587 &:= -1^1 - 2^7 + 5^1 - 8^4 + 7^5 \\
12633 &:= -1^1 - 2^1 - 6^5 + 3^6 + 3^9 \\
12639 &:= -1^1 + 2^2 - 6^5 + 3^9 + 9^3 \\
12647 &:= -1^1 - 2^6 + 6^0 - 4^6 + 7^5 \\
12649 &:= -1^1 + 2^0 - 6^6 + 4^4 + 9^5 \\
12653 &:= -1^1 + 2^9 - 6^4 + 5^6 - 3^7 \\
12675 &:= -1^1 - 2^9 - 6^2 - 7^4 + 5^6 \\
12678 &:= -1^1 + 2^2 - 6^2 + 7^5 - 8^4 \\
12697 &:= -1^1 + 2^8 - 6^6 + 9^5 + 7^2 \\
12708 &:= -1^1 - 2^0 + 7^5 - 0^0 - 8^4 \\
12724 &:= -1^1 - 2^1 + 7^5 + 2^4 - 4^6 \\
12728 &:= -1^1 + 2^1 + 7^5 + 2^4 - 8^4 \\
12738 &:= -1^1 + 2^0 + 7^5 + 3^3 - 8^4 \\
12742 &:= -1^1 - 2^5 + 7^5 - 4^6 + 2^6 \\
12745 &:= -1^1 - 2^9 - 7^0 + 4^7 - 5^5
\end{aligned}$$

$12783 := -1^1 - 2^3 + 7^5 - 8^4 + 3^4$	$13352 := -1^1 - 3^4 - 3^7 + 5^6 - 2^2$	$13654 := -1^1 - 3^7 + 6^3 + 5^6 + 4^0$
$12789 := -1^1 - 2^1 + 7^5 - 8^4 + 9^2$	$13353 := -1^1 - 3^1 - 3^4 + 5^6 - 3^7$	$13665 := -1^1 + 3^8 - 6^4 + 6^5 + 5^4$
$12832 := -1^1 - 2^8 + 8^5 - 3^9 + 2^2$	$13355 := -1^1 - 3^4 - 3^7 - 5^0 + 5^6$	$13668 := -1^1 - 3^1 - 6^3 + 6^6 - 8^5$
$12833 := -1^1 - 2^3 + 8^5 - 3^5 - 3^9$	$13356 := -1^1 - 3^5 - 3^6 + 5^6 - 6^4$	$13677 := -1^1 - 3^6 + 6^0 - 7^4 + 7^5$
$12836 := -1^1 - 2^5 + 8^5 - 3^9 - 6^3$	$13357 := -1^1 - 3^4 - 3^5 - 5^5 + 7^5$	$13735 := -1^1 + 3^3 + 7^5 + 3^3 - 5^5$
$12839 := -1^1 - 2^2 + 8^4 + 3^7 + 9^4$	$13359 := -1^1 + 3^1 - 3^7 + 5^6 - 9^2$	$13740 := -1^1 - 3^5 - 7^4 + 4^7 + 0^0$
$12853 := -1^1 - 2^8 + 8^5 + 5^2 - 3^9$	$13363 := -1^1 - 3^8 + 3^5 - 6^0 + 3^9$	$13753 := -1^1 - 3^2 + 7^5 - 5^5 + 3^4$
$12856 := -1^1 + 2^5 - 8^4 + 5^6 + 6^4$	$13378 := -1^1 - 3^6 - 3^7 + 7^5 - 8^3$	$13755 := -1^1 - 3^7 + 7^3 - 5^2 + 5^6$
$12864 := -1^1 + 2^0 - 8^5 + 6^6 - 4^5$	$13398 := -1^1 - 3^7 + 3^9 - 9^0 - 8^4$	$13758 := -1^1 - 3^9 + 7^2 + 5^4 + 8^5$
$12896 := -1^1 - 2^3 + 8^3 + 9^5 - 6^6$	$13425 := -1^1 - 3^7 - 4^1 - 2^3 + 5^6$	$13759 := -1^1 - 3^1 + 7^5 - 5^5 + 9^2$
$12929 := -1^1 - 2^6 + 9^4 - 2^7 + 9^4$	$13428 := -1^1 - 3^7 + 4^7 - 2^8 - 8^3$	$13795 := -1^1 + 3^8 + 7^2 + 9^4 + 5^4$
$12945 := -1^1 - 2^1 - 9^4 + 4^7 + 5^5$	$13435 := -1^1 - 3^0 - 4^0 - 3^7 + 5^6$	$13806 := -1^1 - 3^4 - 8^5 + 0^1 + 6^6$
$12984 := -1^1 - 2^5 + 9^3 - 8^4 + 4^7$	$13445 := -1^1 - 3^7 + 4^1 + 4^1 + 5^6$	$13826 := -1^1 + 3^8 - 8^3 + 2^1 + 6^5$
$12992 := -1^1 - 2^0 + 9^4 + 9^4 - 2^7$	$13452 := -1^1 - 3^7 - 4^0 + 5^6 + 2^4$	$13829 := -1^1 - 3^9 + 8^5 + 2^4 + 9^3$
$12994 := -1^1 - 2^7 + 9^4 + 9^4 + 4^0$	$13454 := -1^1 - 3^7 + 4^0 + 5^6 + 4^2$	$13845 := -1^1 - 3^5 - 8^3 - 4^5 + 5^6$
$12995 := -1^1 - 2^0 + 9^4 + 9^4 - 5^3$	$13465 := -1^1 - 3^2 + 4^7 + 6^3 - 5^5$	$13846 := -1^1 - 3^6 - 8^3 + 4^7 - 6^4$
$13039 := -1^1 - 3^4 - 0^0 + 3^8 + 9^4$	$13467 := -1^1 + 3^1 - 4^7 + 6^6 - 7^5$	$13860 := -1^1 - 3^3 - 8^5 + 6^6 + 0^1$
$13058 := -1^1 - 3^9 - 0^0 - 5^2 + 8^5$	$13468 := -1^1 - 3^7 + 4^7 - 6^3 - 8^3$	$13861 := -1^1 - 3^3 - 8^5 + 6^6 + 1^0$
$13073 := -1^1 - 3^8 + 0^0 - 7^2 + 3^9$	$13485 := -1^1 - 3^7 - 4^2 + 8^2 + 5^6$	$13862 := -1^1 - 3^2 - 8^5 + 6^6 - 2^4$
$13078 := -1^1 - 3^9 + 0^0 - 7^1 + 8^5$	$13502 := -1^1 - 3^7 + 5^6 + 0^0 + 2^6$	$13863 := -1^1 + 3^1 - 8^5 + 6^6 - 3^3$
$13082 := -1^1 - 3^9 - 0^0 + 8^5 - 2^0$	$13519 := -1^1 - 3^7 + 5^6 + 1^0 + 9^2$	$13864 := -1^1 - 3^3 - 8^5 + 6^6 + 4^1$
$13083 := -1^1 - 3^0 + 0^1 + 8^5 - 3^9$	$13534 := -1^1 - 3^7 + 5^6 + 3^4 + 4^2$	$13865 := -1^1 + 3^1 - 8^5 + 6^6 - 5^2$
$13084 := -1^1 - 3^9 + 0^0 + 8^5 - 4^0$	$13535 := -1^1 - 3^3 + 5^3 - 3^7 + 5^6$	$13866 := -1^1 - 3^3 - 8^5 + 6^1 + 6^6$
$13085 := -1^1 - 3^9 + 0^1 + 8^5 + 5^0$	$13537 := -1^1 - 3^5 + 5^6 - 3^7 + 7^3$	$13867 := -1^1 - 3^3 - 8^5 + 6^6 + 7^1$
$13086 := -1^1 - 3^9 + 0^0 + 8^5 + 6^0$	$13538 := -1^1 - 3^5 + 5^5 + 3^8 + 8^4$	$13868 := -1^1 - 3^3 + 8^1 + 6^6 - 8^5$
$13093 := -1^1 - 3^3 - 0^0 + 9^4 + 3^8$	$13553 := -1^1 - 3^2 + 5^3 + 5^6 - 3^7$	$13869 := -1^1 - 3^2 - 8^5 + 6^6 - 9^1$
$13095 := -1^1 + 3^8 - 0^0 + 9^4 - 5^2$	$13556 := -1^1 - 3^7 + 5^3 + 5^6 - 6^1$	$13885 := -1^1 - 3^7 - 8^2 + 8^3 + 5^6$
$13123 := -1^1 + 3^8 + 1^0 + 2^0 + 3^8$	$13572 := -1^1 - 3^7 + 5^6 + 7^1 + 2^7$	$13886 := -1^1 - 3^2 + 8^1 - 8^5 + 6^6$
$13158 := -1^1 - 3^8 - 1^0 + 5^6 + 8^4$	$13573 := -1^1 - 3^3 - 5^5 + 7^5 - 3^4$	$13958 := -1^1 - 3^7 + 9^1 + 5^6 + 8^3$
$13194 := -1^1 + 3^9 - 1^0 + 9^5 - 4^8$	$13574 := -1^1 - 3^3 - 5^5 + 7^3 + 4^7$	$13974 := -1^1 - 3^2 + 9^0 - 7^4 + 4^7$
$13228 := -1^1 - 3^9 + 2^4 + 2^7 + 8^5$	$13575 := -1^1 - 3^4 - 5^2 + 7^5 - 5^5$	$14047 := -1^1 + 4^3 + 0^0 + 4^7 - 7^4$
$13245 := -1^1 + 3^1 - 2^4 + 4^7 - 5^5$	$13578 := -1^1 + 3^5 + 5^4 + 7^5 - 8^4$	$14064 := -1^1 - 4^5 + 0^0 - 6^4 + 4^7$
$13249 := -1^1 + 3^8 + 2^6 + 4^3 + 9^4$	$13596 := -1^1 - 3^1 + 5^6 - 9^3 - 6^4$	$14213 := -1^1 + 4^7 + 2^4 + 1^0 - 3^7$
$13254 := -1^1 - 3^1 - 2^0 - 5^5 + 4^7$	$13597 := -1^1 - 3^1 - 5^5 - 9^2 + 7^5$	$14253 := -1^1 + 4^7 + 2^5 + 5^2 - 3^7$
$13266 := -1^1 + 3^9 + 2^6 + 6^4 - 6^5$	$13599 := -1^1 - 3^7 + 5^6 + 9^2 + 9^2$	$14256 := -1^1 - 4^3 - 2^3 + 5^6 - 6^4$
$13268 := -1^1 - 3^9 - 2^5 + 6^3 + 8^5$	$13623 := -1^1 - 3^6 + 6^5 + 2^4 + 3^8$	$14265 := -1^1 - 4^3 + 2^0 - 6^4 + 5^6$
$13286 := -1^1 - 3^6 + 2^7 - 8^5 + 6^6$	$13628 := -1^1 - 3^1 + 6^6 - 2^8 - 8^5$	$14276 := -1^1 + 4^6 + 2^2 + 7^4 + 6^5$
$13328 := -1^1 + 3^5 - 3^9 + 2^0 + 8^5$	$13632 := -1^1 + 3^8 - 6^0 + 3^8 + 2^9$	$14277 := -1^1 - 4^3 - 2^6 - 7^4 + 7^5$
$13332 := -1^1 + 3^5 + 3^8 + 3^8 - 2^5$	$13644 := -1^1 - 3^5 + 6^6 - 4^7 - 4^7$	$14293 := -1^1 + 4^7 + 2^4 + 9^2 - 3^7$
$13336 := -1^1 - 3^0 + 3^8 + 3^8 + 6^3$	$13648 := -1^1 - 3^5 + 6^6 + 4^1 - 8^5$	$14322 := -1^1 + 4^7 - 3^7 + 2^7 - 2^1$
$13338 := -1^1 + 3^6 + 3^8 + 3^8 - 8^3$	$13652 := -1^1 - 3^7 + 6^3 + 5^6 - 2^0$	$14323 := -1^1 + 4^7 - 3^0 + 2^7 - 3^7$

$14324 := -1^1 + 4^3 - 3^7 + 2^6 + 4^7$	$14742 := -1^1 - 4^5 + 7^5 - 4^5 - 2^4$	$15333 := -1^1 + 5^2 + 3^7 + 3^8 + 3^8$
$14325 := -1^1 - 4^5 - 3^5 - 2^5 + 5^6$	$14749 := -1^1 - 4^5 + 7^5 - 4^5 - 9^1$	$15336 := -1^1 + 5^6 - 3^4 + 3^2 - 6^3$
$14336 := -1^1 + 4^0 - 3^0 + 3^8 + 6^5$	$14764 := -1^1 - 4^5 + 7^5 + 6^1 - 4^5$	$15338 := -1^1 - 5^1 - 3^5 + 3^9 - 8^4$
$14336 := -1^1 - 4^0 + 3^0 + 3^8 + 6^5$	$14765 := -1^1 - 4^9 - 7^4 + 6^7 - 5^4$	$15342 := -1^1 + 5^6 - 3^3 + 4^0 - 2^8$
$14344 := -1^1 - 4^5 + 3^2 - 4^5 + 4^7$	$14833 := -1^1 + 4^6 + 8^4 + 3^4 + 3^8$	$15346 := -1^1 + 5^6 - 3^5 + 4^0 - 6^2$
$14345 := -1^1 - 4^4 + 3^0 - 4^5 + 5^6$	$14835 := -1^1 - 4^5 - 8^1 + 3^5 + 5^6$	$15352 := -1^1 - 5^2 + 3^2 + 5^6 - 2^8$
$14346 := -1^1 - 4^5 + 3^9 - 4^6 - 6^3$	$14846 := -1^1 - 4^5 - 8^3 + 4^7 - 6^0$	$15353 := -1^1 - 5^0 - 3^3 + 5^6 - 3^5$
$14347 := -1^1 - 4^2 - 3^7 - 4^4 + 7^5$	$14848 := -1^1 - 4^5 + 8^0 + 4^7 - 8^3$	$15354 := -1^1 - 5^1 - 3^2 + 5^6 - 4^4$
$14356 := -1^1 + 4^0 + 3^3 + 5^6 - 6^4$	$14852 := -1^1 - 4^1 - 8^3 + 5^6 - 2^8$	$15355 := -1^1 - 5^0 - 3^5 - 5^2 + 5^6$
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$14377 := -1^1 - 4^0 - 3^3 - 7^4 + 7^5$	$14856 := -1^1 + 4^2 + 8^3 + 5^6 - 6^4$	$15372 := -1^1 + 5^4 - 3^7 + 7^5 + 2^7$
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$14456 := -1^1 + 4^3 + 4^3 + 5^6 - 6^4$	$14895 := -1^1 - 4^0 + 8^0 - 9^3 + 5^6$	$15375 := -1^1 - 5^1 - 3^5 - 7^0 + 5^6$
$14473 := -1^1 - 4^6 + 4^7 - 7^0 + 3^7$	$14929 := -1^1 + 4^7 - 9^3 + 2^2 - 9^3$	$15376 := -1^1 - 5^3 - 3^2 + 7^5 - 6^4$
$14478 := -1^1 - 4^2 + 4^7 - 7^4 + 8^3$	$14958 := -1^1 - 4^0 - 9^3 + 5^6 + 8^2$	$15379 := -1^1 + 5^6 - 3^5 + 7^1 - 9^1$
$14523 := -1^1 - 4^5 + 5^6 + 2^2 - 3^4$	$14965 := -1^1 + 4^1 + 9^4 + 6^5 + 5^4$	$15381 := -1^1 + 5^6 - 3^5 + 8^0 - 1^0$
$14525 := -1^1 - 4^6 + 5^5 - 2^7 + 5^6$	$14968 := -1^1 + 4^6 + 9^4 + 6^3 + 8^4$	$15383 := -1^1 + 5^6 + 3^0 + 8^0 - 3^5$
$14526 := -1^1 + 4^7 - 5^4 + 2^6 - 6^4$	$14989 := -1^1 + 4^7 - 9^3 + 8^2 - 9^3$	$15388 := -1^1 + 5^6 - 3^5 + 8^1 - 8^0$
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$14705 := -1^1 + 4^5 + 7^5 + 0^1 - 5^5$	$15318 := -1^1 + 5^6 - 3^5 + 1^0 - 8^2$	$15500 := -1^1 - 5^3 + 5^6 + 0^0 + 0^1$

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$15824 := -1^1 - 5^4 + 8^2 + 2^1 + 4^7$	$16079 := -1^1 + 6^0 + 0^0 + 7^5 - 9^3$	$16374 := -1^1 - 6^0 - 3^0 - 7^1 + 4^7$
$15827 := -1^1 - 5^1 + 8^5 - 2^7 - 7^5$	$16234 := -1^1 - 6^2 - 2^5 - 3^4 + 4^7$	$16384 := -1^1 + 6^0 - 3^0 + 8^0 + 4^7$
$15832 := -1^1 + 5^6 - 8^0 + 3^4 + 2^7$	$16237 := -1^1 - 6^4 - 2^1 + 3^6 + 7^5$	$16384 := -1^1 - 6^0 + 3^0 + 8^0 + 4^7$
$15842 := -1^1 - 5^2 - 8^3 + 4^7 - 2^2$	$16247 := -1^1 - 6^0 - 2^7 + 4^7 - 7^1$	$16385 := -1^1 + 6^1 + 3^5 + 8^3 + 5^6$
$15843 := -1^1 - 5^0 - 8^3 + 4^7 - 3^3$	$16248 := -1^1 + 6^0 - 2^7 + 4^7 - 8^1$	$16394 := -1^1 + 6^0 + 3^0 + 9^1 + 4^7$
$15845 := -1^1 - 5^0 - 8^3 + 4^7 - 5^2$	$16249 := -1^1 - 6^3 + 2^0 + 4^7 + 9^2$	$16403 := -1^1 - 6^1 + 4^7 - 0^0 + 3^3$
$15846 := -1^1 - 5^6 - 8^5 + 4^8 - 6^4$	$16253 := -1^1 - 6^2 - 2^6 + 5^6 + 3^6$	$16404 := -1^1 + 6^2 - 4^2 + 0^0 + 4^7$
$15847 := -1^1 - 5^2 - 8^3 + 4^7 + 7^0$	$16254 := -1^1 - 6^1 + 2^1 - 5^3 + 4^7$	$16412 := -1^1 + 6^2 + 4^7 + 1^0 - 2^3$
$15854 := -1^1 - 5^2 - 8^0 + 5^6 + 4^4$	$16255 := -1^1 - 6^1 + 2^9 + 5^3 + 5^6$	$16415 := -1^1 + 6^1 + 4^7 + 1^0 + 5^2$
$15862 := -1^1 - 5^6 + 8^5 - 6^4 + 2^4$	$16257 := -1^1 - 6^2 - 2^9 - 5^0 + 7^5$	$16419 := -1^1 + 6^2 + 4^7 + 1^0 - 9^0$
$15864 := -1^1 - 5^0 - 8^3 - 6^1 + 4^7$	$16258 := -1^1 - 6^1 + 2^7 + 5^6 + 8^3$	$16420 := -1^1 + 6^1 + 4^7 + 2^5 - 0^0$
$15873 := -1^1 + 5^6 - 8^0 + 7^1 + 3^5$	$16272 := -1^1 - 6^1 - 2^4 + 7^5 - 2^9$	$16421 := -1^1 + 6^2 + 4^7 + 2^0 + 1^0$
$15882 := -1^1 + 5^6 + 8^0 + 8^0 + 2^8$	$16273 := -1^1 + 6^1 - 2^9 + 7^5 - 3^3$	$16422 := -1^1 - 6^0 + 4^7 + 2^3 + 2^5$
$15883 := -1^1 + 5^6 + 8^1 + 8^1 + 3^5$	$16274 := -1^1 - 6^2 - 2^9 + 7^5 + 4^2$	$16423 := -1^1 - 6^0 + 4^7 + 2^5 + 3^2$
$15884 := -1^1 + 5^1 - 8^3 + 8^1 + 4^7$	$16275 := -1^1 + 6^1 - 2^9 + 7^5 - 5^2$	$16424 := -1^1 + 6^2 + 4^0 + 2^2 + 4^7$
$15932 := -1^1 + 5^6 + 9^0 + 3^5 + 2^6$	$16278 := -1^1 - 6^4 + 2^8 + 7^5 + 8^3$	$16425 := -1^1 + 6^0 + 4^7 + 2^4 + 5^2$
$15933 := -1^1 + 5^4 + 9^4 + 3^7 + 3^8$	$16279 := -1^1 - 6^1 - 2^9 + 7^5 - 9^1$	$16426 := -1^1 - 6^0 + 4^7 + 2^3 + 6^2$
$15934 := -1^1 - 5^3 - 9^2 - 3^5 + 4^7$	$16284 := -1^1 - 6^2 + 2^0 - 8^2 + 4^7$	$16427 := -1^1 - 6^0 + 4^7 - 2^2 + 7^2$

$16428 := -1^1 + 6^2 + 4^7 + 2^0 + 8^1$	$16563 := -1^1 - 6^1 + 5^6 + 6^3 + 3^6$	$16782 := -1^1 - 6^2 + 7^5 + 8^1 + 2^2$
$16429 := -1^1 - 6^0 + 4^7 + 2^7 - 9^2$	$16564 := -1^1 - 6^2 + 5^0 + 6^3 + 4^7$	$16783 := -1^1 - 6^1 + 7^5 - 8^1 - 3^2$
$16432 := -1^1 - 6^1 + 4^7 - 3^2 + 2^6$	$16568 := -1^1 + 6^3 + 5^6 + 6^3 + 8^3$	$16784 := -1^1 - 6^1 + 7^3 + 8^2 + 4^7$
$16435 := -1^1 - 6^3 + 4^5 + 3^1 + 5^6$	$16574 := -1^1 - 6^0 + 5^2 + 7^5 - 4^4$	$16786 := -1^1 - 6^1 + 7^5 - 8^1 - 6^1$
$16438 := -1^1 - 6^1 + 4^7 - 3^1 + 8^2$	$16576 := -1^1 - 6^0 + 5^6 - 7^3 + 6^4$	$16790 := -1^1 - 6^1 + 7^5 - 9^1 - 0^0$
$16440 := -1^1 - 6^1 + 4^3 + 4^7 - 0^0$	$16587 := -1^1 - 6^3 + 5^1 - 8^1 + 7^5$	$16792 := -1^1 + 6^0 + 7^5 + 9^0 - 2^4$
$16442 := -1^1 - 6^0 - 4^1 + 4^7 + 2^6$	$16627 := -1^1 + 6^2 - 6^3 + 2^0 + 7^5$	$16793 := -1^1 - 6^0 + 7^5 - 9^1 - 3^1$
$16443 := -1^1 - 6^0 + 4^3 + 4^7 - 3^1$	$16644 := -1^1 - 6^0 + 6^1 + 4^4 + 4^7$	$16795 := -1^1 - 6^0 + 7^5 - 9^1 - 5^0$
$16444 := -1^1 + 6^0 - 4^1 + 4^3 + 4^7$	$16647 := -1^1 - 6^0 + 6^3 + 4^7 + 7^2$	$16797 := -1^1 - 6^0 + 7^0 - 9^1 + 7^5$
$16445 := -1^1 - 6^0 + 4^3 + 4^7 - 5^0$	$16695 := -1^1 - 6^3 + 6^4 - 9^1 + 5^6$	$16798 := -1^1 - 6^0 + 7^5 + 9^0 - 8^1$
$16447 := -1^1 - 6^0 + 4^2 + 4^7 + 7^2$	$16722 := -1^1 + 6^2 + 7^5 + 2^3 - 2^7$	$16799 := -1^1 + 6^0 + 7^5 + 9^0 - 9^1$
$16448 := -1^1 + 6^0 - 4^7 + 4^3 + 8^5$	$16723 := -1^1 - 6^0 + 7^5 - 2^0 - 3^4$	$16807 := -1^1 + 6^0 - 8^0 + 0^0 + 7^5$
$16449 := -1^1 + 6^0 - 4^2 + 4^7 + 9^2$	$16724 := -1^1 - 6^0 + 7^3 - 2^0 + 4^7$	$16807 := -1^1 - 6^0 + 8^0 + 0^0 + 7^5$
$16452 := -1^1 + 6^2 + 4^7 + 5^0 + 2^5$	$16725 := -1^1 + 6^2 + 7^5 + 2^3 - 5^3$	$16827 := -1^1 + 6^1 - 8^0 + 2^4 + 7^5$
$16453 := -1^1 - 6^1 + 4^7 - 5^1 + 3^4$	$16726 := -1^1 - 6^2 + 7^5 - 2^3 - 6^2$	$16834 := -1^1 + 6^3 - 8^1 + 3^5 + 4^7$
$16454 := -1^1 + 6^1 + 4^3 + 5^0 + 4^7$	$16728 := -1^1 - 6^1 + 7^5 - 2^3 - 8^2$	$16837 := -1^1 - 6^1 + 8^2 - 3^3 + 7^5$
$16456 := -1^1 + 6^2 + 4^7 + 5^0 + 6^2$	$16729 := -1^1 - 6^2 + 7^5 - 2^5 - 9^1$	$16843 := -1^1 + 6^3 + 8^0 + 4^7 + 3^5$
$16458 := -1^1 + 6^1 + 4^7 + 5^1 + 8^2$	$16732 := -1^1 - 6^0 + 7^5 - 3^2 - 2^6$	$16847 := -1^1 + 6^0 + 8^3 + 4^7 - 7^2$
$16459 := -1^1 - 6^1 + 4^7 + 5^0 + 9^2$	$16733 := -1^1 - 6^0 + 7^5 + 3^2 - 3^4$	$16852 := -1^1 + 6^4 - 8^2 + 5^6 - 2^2$
$16467 := -1^1 - 6^0 + 4^7 + 6^2 + 7^2$	$16734 := -1^1 - 6^0 + 7^3 + 3^2 + 4^7$	$16853 := -1^1 - 6^3 + 8^3 - 5^5 + 3^9$
$16469 := -1^1 - 6^0 + 4^7 + 6^1 + 9^2$	$16736 := -1^1 - 6^0 + 7^4 + 3^8 + 6^5$	$16854 := -1^1 - 6^2 + 8^3 - 5^1 + 4^7$
$16472 := -1^1 + 6^2 + 4^7 + 7^2 + 2^2$	$16738 := -1^1 - 6^0 + 7^5 - 3^1 - 8^2$	$16855 := -1^1 + 6^4 - 8^2 + 5^6 - 5^0$
$16474 := -1^1 - 6^6 - 4^1 - 7^4 + 4^8$	$16740 := -1^1 - 6^0 + 7^5 - 4^3 - 0^0$	$16857 := -1^1 + 6^4 - 8^2 + 5^6 + 7^0$
$16475 := -1^1 + 6^3 + 4^7 + 7^0 - 5^3$	$16742 := -1^1 - 6^0 + 7^5 + 4^0 - 2^6$	$16859 := -1^1 - 6^1 + 8^3 + 5^6 + 9^3$
$16477 := -1^1 - 6^3 - 4^3 - 7^2 + 7^5$	$16744 := -1^1 + 6^0 + 7^5 + 4^0 - 4^3$	$16870 := -1^1 - 6^0 + 8^2 + 7^5 + 0^0$
$16479 := -1^1 - 6^6 + 4^8 - 7^4 + 9^0$	$16745 := -1^1 - 6^1 + 7^3 + 4^7 + 5^2$	$16872 := -1^1 + 6^0 + 8^0 + 7^5 + 2^6$
$16482 := -1^1 + 6^2 + 4^7 + 8^2 - 2^0$	$16747 := -1^1 - 6^1 - 7^2 - 4^1 + 7^5$	$16873 := -1^1 - 6^1 - 8^1 + 7^5 + 3^4$
$16484 := -1^1 + 6^2 + 4^0 + 8^2 + 4^7$	$16753 := -1^1 - 6^0 + 7^5 - 5^2 - 3^3$	$16875 := -1^1 + 6^1 + 8^2 + 7^5 - 5^0$
$16489 := -1^1 - 6^6 + 4^0 + 8^4 + 9^5$	$16755 := -1^1 - 6^0 + 7^5 - 5^2 - 5^2$	$16877 := -1^1 + 6^1 + 8^2 + 7^0 + 7^5$
$16492 := -1^1 + 6^2 + 4^7 + 9^1 + 2^6$	$16757 := -1^1 - 6^0 - 7^2 + 5^0 + 7^5$	$16883 := -1^1 + 6^4 - 8^4 + 8^0 + 3^9$
$16495 := -1^1 + 6^1 + 4^7 + 9^2 + 5^2$	$16762 := -1^1 - 6^1 + 7^5 - 6^1 - 2^5$	$16925 := -1^1 + 6^4 + 9^0 + 2^2 + 5^6$
$16496 := -1^1 - 6^4 - 4^9 + 9^0 + 6^7$	$16763 := -1^1 - 6^1 + 7^5 - 6^2 - 3^0$	$16927 := -1^1 - 6^1 - 9^0 + 2^7 + 7^5$
$16499 := -1^1 + 6^2 + 4^7 + 9^2 - 9^0$	$16765 := -1^1 - 6^1 + 7^5 - 6^2 + 5^0$	$16942 := -1^1 + 6^4 - 9^3 + 4^7 - 2^3$
$16523 := -1^1 - 6^2 - 5^5 + 2^1 + 3^9$	$16768 := -1^1 - 6^0 + 7^5 - 6^2 - 8^0$	$16945 := -1^1 + 6^3 + 9^2 + 4^5 + 5^6$
$16527 := -1^1 - 6^3 + 5^0 - 2^6 + 7^5$	$16770 := -1^1 - 6^2 - 7^0 + 7^5 + 0^0$	$16949 := -1^1 + 6^4 - 9^0 + 4^7 - 9^3$
$16534 := -1^1 - 6^0 + 5^3 + 3^3 + 4^7$	$16772 := -1^1 - 6^0 - 7^0 + 7^5 - 2^5$	$16965 := -1^1 + 6^2 + 9^1 + 6^4 + 5^6$
$16537 := -1^1 - 6^0 - 5^2 - 3^5 + 7^5$	$16773 := -1^1 + 6^0 - 7^1 + 7^5 - 3^3$	$16985 := -1^1 + 6^4 + 9^0 + 8^2 + 5^6$
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$16545 := -1^1 + 6^2 + 5^0 + 4^7 + 5^3$	$16776 := -1^1 - 6^0 + 7^1 + 7^5 - 6^2$	$17032 := -1^1 + 7^5 - 0^0 + 3^5 - 2^4$
$16548 := -1^1 - 6^2 + 5^6 + 4^5 - 8^2$	$16778 := -1^1 - 6^2 + 7^1 + 7^5 + 8^0$	$17034 := -1^1 + 7^5 + 0^0 + 3^5 - 4^2$

$17039 := -1^1 + 7^5 - 0^0 + 3^5 - 9^1$	$17350 := -1^1 + 7^5 - 3^4 + 5^4 + 0^1$	$17622 := -1^1 + 7^5 + 6^4 + 2^5 - 2^9$
$17053 := -1^1 + 7^5 - 0^0 + 5^1 + 3^5$	$17351 := -1^1 + 7^5 - 3^4 + 5^4 + 1^0$	$17629 := -1^1 + 7^5 + 6^4 + 2^8 - 9^3$
$17055 := -1^1 + 7^5 - 0^0 + 5^3 + 5^3$	$17352 := -1^1 + 7^5 + 3^2 + 5^2 + 2^9$	$17659 := -1^1 + 7^5 - 6^0 + 5^3 + 9^3$
$17062 := -1^1 + 7^5 - 0^0 + 6^0 + 2^8$	$17353 := -1^1 + 7^5 + 3^1 + 5^4 - 3^4$	$17664 := -1^1 - 7^3 + 6^3 + 6^7 - 4^9$
$17064 := -1^1 + 7^5 + 0^0 + 6^0 + 4^4$	$17354 := -1^1 + 7^3 + 3^1 + 5^4 + 4^7$	$17760 := -1^1 - 7^3 + 7^5 + 6^4 + 0^0$
$17086 := -1^1 + 7^5 + 0^1 + 8^2 + 6^3$	$17355 := -1^1 + 7^5 - 3^4 + 5^1 + 5^4$	$17774 := -1^1 - 7^1 - 7^2 + 7^5 + 4^5$
$17175 := -1^1 + 7^3 + 1^0 + 7^5 + 5^2$	$17356 := -1^1 + 7^5 - 3^4 + 5^4 + 6^1$	$17775 := -1^1 + 7^0 + 7^3 + 7^5 + 5^4$
$17222 := -1^1 + 7^5 + 2^5 + 2^7 + 2^8$	$17357 := -1^1 + 7^1 - 3^4 + 5^4 + 7^5$	$17792 := -1^1 + 7^0 + 7^5 + 9^3 + 2^8$
$17225 := -1^1 + 7^5 + 2^5 + 2^9 - 5^3$	$17358 := -1^1 + 7^5 - 3^2 + 5^4 - 8^2$	$17822 := -1^1 + 7^5 - 8^1 + 2^9 + 2^9$
$17226 := -1^1 + 7^5 + 2^7 + 2^8 + 6^2$	$17359 := -1^1 + 7^5 + 3^2 + 5^4 - 9^2$	$17824 := -1^1 + 7^5 - 8^1 + 2^1 + 4^5$
$17229 := -1^1 + 7^5 - 2^3 + 2^9 - 9^2$	$17363 := -1^1 - 7^4 + 3^4 + 6^0 + 3^9$	$17825 := -1^1 + 7^5 + 8^3 + 2^9 - 5^1$
$17242 := -1^1 + 7^3 + 2^2 + 4^7 + 2^9$	$17398 := -1^1 + 7^5 - 3^0 + 9^2 + 8^3$	$17829 := -1^1 + 7^5 + 8^3 + 2^9 - 9^0$
$17246 := -1^1 + 7^5 - 2^5 + 4^4 + 6^3$	$17424 := -1^1 + 7^0 + 4^5 + 2^4 + 4^7$	$17834 := -1^1 + 7^5 + 8^0 + 3^1 + 4^5$
$17247 := -1^1 - 7^1 + 2^9 - 4^3 + 7^5$	$17435 := -1^1 + 7^5 + 4^0 + 3^1 + 5^4$	$17842 := -1^1 + 7^5 + 8^1 + 4^5 + 2^2$
$17262 := -1^1 + 7^5 - 2^4 + 6^3 + 2^8$	$17448 := -1^1 + 7^2 + 4^5 + 4^7 - 8^1$	$17846 := -1^1 + 7^5 - 8^3 + 4^4 + 6^4$
$17263 := -1^1 + 7^5 - 2^1 + 6^3 + 3^5$	$17455 := -1^1 + 7^5 - 4^0 + 5^2 + 5^4$	$17854 := -1^1 + 7^5 - 8^0 + 5^2 + 4^5$
$17265 := -1^1 + 7^3 + 2^1 + 6^4 + 5^6$	$17464 := -1^1 - 7^3 + 4^2 + 6^7 - 4^9$	$17862 := -1^1 + 7^1 - 8^6 + 6^7 + 2^6$
$17269 := -1^1 + 7^5 + 2^8 + 6^3 - 9^1$	$17486 := -1^1 - 7^2 - 4^4 - 8^6 + 6^7$	$17865 := -1^1 + 7^2 - 8^6 + 6^7 + 5^2$
$17270 := -1^1 - 7^2 + 2^9 + 7^5 + 0^0$	$17513 := -1^1 + 7^5 + 5^4 + 1^0 + 3^4$	$17879 := -1^1 + 7^3 + 8^0 + 7^5 + 9^3$
$17273 := -1^1 - 7^1 - 2^0 - 7^4 + 3^9$	$17530 := -1^1 + 7^5 - 5^1 + 3^6 + 0^1$	$17945 := -1^1 + 7^4 - 9^2 + 4^0 + 5^6$
$17275 := -1^1 + 7^3 + 2^0 + 7^5 + 5^3$	$17531 := -1^1 + 7^5 - 5^1 + 3^6 + 1^0$	$17952 := -1^1 + 7^4 - 9^1 + 5^6 - 2^6$
$17276 := -1^1 + 7^3 + 2^7 + 7^5 - 6^0$	$17532 := -1^1 - 7^3 + 5^6 + 3^7 + 2^6$	$17953 := -1^1 + 7^4 + 9^1 + 5^6 - 3^4$
$17278 := -1^1 + 7^3 + 2^7 + 7^5 + 8^0$	$17533 := -1^1 + 7^5 - 5^0 + 3^6 - 3^0$	$17954 := -1^1 + 7^5 - 9^0 + 5^3 + 4^5$
$17282 := -1^1 + 7^5 - 2^2 + 8^3 - 2^5$	$17534 := -1^1 + 7^5 - 5^1 + 3^6 + 4^1$	$17975 := -1^1 - 7^2 - 9^0 + 7^4 + 5^6$
$17283 := -1^1 - 7^4 + 2^0 + 8^0 + 3^9$	$17535 := -1^1 + 7^5 + 5^0 + 3^6 - 5^0$	$18046 := -1^1 - 8^6 - 0^0 + 4^4 + 6^7$
$17285 := -1^1 + 7^5 - 2^3 + 8^3 - 5^2$	$17535 := -1^1 + 7^5 - 5^0 + 3^6 + 5^0$	$18167 := -1^1 + 8^2 + 1^0 + 6^4 + 7^5$
$17286 := -1^1 + 7^5 + 2^2 + 8^3 - 6^2$	$17536 := -1^1 + 7^5 - 5^1 + 3^6 + 6^1$	$18274 := -1^1 - 8^3 + 2^1 + 7^4 + 4^7$
$17287 := -1^1 + 7^0 - 2^5 + 8^3 + 7^5$	$17537 := -1^1 + 7^0 + 5^0 + 3^6 + 7^5$	$18324 := -1^1 + 8^4 - 3^7 + 2^5 + 4^7$
$17293 := -1^1 + 7^5 + 2^0 + 9^3 - 3^5$	$17538 := -1^1 + 7^5 - 5^1 + 3^6 + 8^1$	$18325 := -1^1 + 8^3 + 3^7 + 2^1 + 5^6$
$17305 := -1^1 - 7^4 + 3^9 - 0^0 + 5^2$	$17539 := -1^1 + 7^4 + 5^6 + 3^5 - 9^3$	$18326 := -1^1 - 8^2 + 3^9 + 2^2 - 6^4$
$17312 := -1^1 - 7^4 + 3^9 - 1^0 + 2^5$	$17552 := -1^1 + 7^5 + 5^3 + 5^4 - 2^2$	$18345 := -1^1 - 8^4 + 3^8 + 4^4 + 5^6$
$17316 := -1^1 - 7^4 + 3^9 - 1^0 + 6^2$	$17553 := -1^1 + 7^5 + 5^3 + 5^4 - 3^1$	$18346 := -1^1 - 8^1 + 3^7 + 4^7 - 6^3$
$17318 := -1^1 + 7^5 - 3^0 + 1^0 + 8^3$	$17555 := -1^1 + 7^5 - 5^0 + 5^3 + 5^4$	$18362 := -1^1 - 8^1 + 3^9 - 6^4 - 2^4$
$17320 := -1^1 + 7^5 + 3^0 + 2^9 + 0^0$	$17557 := -1^1 + 7^0 + 5^3 + 5^4 + 7^5$	$18364 := -1^1 - 8^3 - 3^1 - 6^6 + 4^8$
$17322 := -1^1 + 7^5 + 3^1 + 2^0 + 2^9$	$17559 := -1^1 + 7^5 - 5^0 + 5^2 + 9^3$	$18365 := -1^1 + 8^3 + 3^9 + 6^4 - 5^5$
$17326 := -1^1 + 7^5 + 3^2 + 2^9 - 6^0$	$17579 := -1^1 + 7^2 - 5^1 + 7^5 + 9^3$	$18368 := -1^1 - 8^2 + 3^8 + 6^5 + 8^4$
$17328 := -1^1 + 7^5 + 3^2 + 2^0 + 8^3$	$17592 := -1^1 + 7^5 + 5^2 + 9^3 + 2^5$	$18369 := -1^1 - 8^1 + 3^9 - 6^4 - 9^1$
$17332 := -1^1 + 7^5 + 3^3 + 3^5 + 2^8$	$17593 := -1^1 + 7^5 + 5^4 + 9^2 + 3^4$	$18386 := -1^1 - 8^0 + 3^9 + 8^0 - 6^4$
$17335 := -1^1 + 7^2 + 3^6 + 3^9 - 5^5$	$17594 := -1^1 + 7^5 - 5^1 + 9^3 + 4^3$	$18396 := -1^1 + 8^0 + 3^9 + 9^1 - 6^4$
$17344 := -1^1 - 7^4 + 3^9 - 4^0 + 4^3$	$17596 := -1^1 + 7^5 + 5^2 + 9^3 + 6^2$	$18436 := -1^1 + 8^4 + 4^1 + 3^8 + 6^5$
$17346 := -1^1 - 7^4 + 3^9 + 4^3 + 6^0$	$17598 := -1^1 + 7^5 - 5^0 + 9^3 + 8^2$	$18453 := -1^1 + 8^4 - 4^5 + 5^6 - 3^5$

$$\begin{aligned}
18456 &:= -1^1 + 8^3 + 4^5 + 5^6 + 6^4 \\
18496 &:= -1^1 + 8^2 + 4^6 + 9^4 + 6^5 \\
18534 &:= -1^1 + 8^0 - 5^3 + 3^9 - 4^5 \\
18539 &:= -1^1 - 8^0 + 5^6 + 3^7 + 9^3 \\
18544 &:= -1^1 + 8^3 + 5^4 + 4^5 + 4^7 \\
18569 &:= -1^1 - 8^3 + 5^7 + 6^1 - 9^5 \\
18634 &:= -1^1 - 8^1 - 6^4 + 3^9 + 4^4 \\
18643 &:= -1^1 + 8^0 - 6^4 + 4^4 + 3^9 \\
18678 &:= -1^1 + 8^2 + 6^4 + 7^5 + 8^3 \\
18723 &:= -1^1 + 8^4 + 7^5 + 2^3 - 3^7 \\
18724 &:= -1^1 - 8^2 + 7^4 + 2^2 + 4^7 \\
18727 &:= -1^1 - 8^3 + 7^4 + 2^5 + 7^5 \\
18745 &:= -1^1 - 8^2 + 7^4 + 4^7 + 5^2 \\
18753 &:= -1^1 - 8^0 + 7^4 + 5^6 + 3^6 \\
18755 &:= -1^1 - 8^0 + 7^1 + 5^5 + 5^6 \\
18784 &:= -1^1 - 8^0 + 7^4 + 8^0 + 4^7 \\
18794 &:= -1^1 + 8^0 + 7^4 + 9^1 + 4^7 \\
18835 &:= -1^1 + 8^3 + 8^3 + 3^7 + 5^6 \\
18847 &:= -1^1 - 8^0 + 8^2 + 4^7 + 7^4 \\
18849 &:= -1^1 + 8^0 - 8^4 + 4^7 + 9^4 \\
18923 &:= -1^1 - 8^3 + 9^1 - 2^8 + 3^9 \\
18953 &:= -1^1 - 8^0 - 9^3 + 5^0 + 3^9 \\
18963 &:= -1^1 - 8^3 + 9^1 - 6^3 + 3^9 \\
18985 &:= -1^1 - 8^4 - 9^4 + 8^5 - 5^5 \\
19033 &:= -1^1 + 9^2 - 0^0 + 3^9 - 3^6 \\
19073 &:= -1^1 + 9^2 - 0^0 + 7^5 + 3^7 \\
19075 &:= -1^1 - 9^5 + 0^0 - 7^0 + 5^7 \\
19075 &:= -1^1 - 9^5 - 0^0 + 7^0 + 5^7 \\
19243 &:= -1^1 + 9^1 - 2^9 + 4^3 + 3^9 \\
19332 &:= -1^1 + 9^2 + 3^4 + 3^9 - 2^9 \\
19335 &:= -1^1 - 9^3 - 3^5 + 3^9 + 5^4 \\
19337 &:= -1^1 - 9^0 - 3^0 + 3^9 - 7^3 \\
19344 &:= -1^1 - 9^2 + 3^9 - 4^0 - 4^4 \\
19346 &:= -1^1 - 9^2 + 3^9 - 4^4 + 6^0 \\
19353 &:= -1^1 - 9^2 - 3^5 - 5^1 + 3^9 \\
19386 &:= -1^1 - 9^2 + 3^9 + 8^0 - 6^3 \\
19392 &:= -1^1 - 9^2 + 3^9 - 9^2 - 2^7 \\
19395 &:= -1^1 - 9^2 + 3^9 - 9^2 - 5^3 \\
19423 &:= -1^1 - 9^0 - 4^4 - 2^1 + 3^9 \\
19425 &:= -1^1 - 9^2 + 4^7 - 2^1 + 5^5 \\
19434 &:= -1^1 + 9^1 - 4^0 + 3^9 - 4^4
\end{aligned}$$

$$\begin{aligned}
19436 &:= -1^1 + 9^1 - 4^4 + 3^9 + 6^0 \\
19443 &:= -1^1 + 9^0 - 4^4 + 4^2 + 3^9 \\
19445 &:= -1^1 + 9^0 - 4^3 + 4^7 + 5^5 \\
19463 &:= -1^1 + 9^0 - 4^4 + 6^2 + 3^9 \\
19532 &:= -1^1 - 9^1 - 5^3 + 3^9 - 2^4 \\
19534 &:= -1^1 - 9^0 + 5^5 + 3^3 + 4^7 \\
19537 &:= -1^1 - 9^2 + 5^4 + 3^7 + 7^5 \\
19538 &:= -1^1 - 9^2 + 5^0 + 3^9 - 8^2 \\
19539 &:= -1^1 - 9^1 - 5^3 + 3^9 - 9^1 \\
19553 &:= -1^1 - 9^1 + 5^1 - 5^3 + 3^9 \\
19559 &:= -1^1 + 9^2 + 5^5 + 5^6 + 9^3 \\
19573 &:= -1^1 + 9^1 - 5^3 + 7^1 + 3^9 \\
19586 &:= -1^1 - 9^5 + 5^7 + 8^3 - 6^0 \\
19588 &:= -1^1 - 9^5 + 5^7 + 8^0 + 8^3 \\
19593 &:= -1^1 - 9^1 + 5^0 - 9^2 + 3^9 \\
19603 &:= -1^1 - 9^2 + 6^0 + 0^0 + 3^9 \\
19623 &:= -1^1 - 9^0 + 6^1 - 2^6 + 3^9 \\
19624 &:= -1^1 + 9^3 - 6^6 + 2^4 + 4^8 \\
19632 &:= -1^1 - 9^2 - 6^0 + 3^9 + 2^5 \\
19636 &:= -1^1 - 9^1 - 6^0 + 3^9 - 6^2 \\
19638 &:= -1^1 - 9^1 - 6^2 + 3^9 + 8^0 \\
19645 &:= -1^1 - 9^2 + 6^1 + 4^6 + 5^6 \\
19646 &:= -1^1 - 9^0 + 6^5 + 4^6 + 6^5 \\
19673 &:= -1^1 - 9^0 - 6^0 - 7^1 + 3^9 \\
19683 &:= -1^1 + 9^0 - 6^0 + 8^0 + 3^9 \\
19685 &:= -1^1 + 9^0 - 6^2 + 8^4 + 5^6 \\
19687 &:= -1^1 + 9^2 - 6^4 + 8^4 + 7^5 \\
19693 &:= -1^1 + 9^0 + 6^0 + 9^1 + 3^9 \\
19723 &:= -1^1 - 9^1 + 7^2 + 2^0 + 3^9 \\
19730 &:= -1^1 - 9^0 + 7^2 + 3^9 + 0^1 \\
19731 &:= -1^1 + 9^0 + 7^2 + 3^9 - 1^0 \\
19732 &:= -1^1 - 9^0 + 7^2 + 3^9 + 2^1 \\
19733 &:= -1^1 + 9^0 + 7^2 + 3^0 + 3^9 \\
19734 &:= -1^1 - 9^0 + 7^2 + 3^9 + 4^1 \\
19735 &:= -1^1 - 9^0 + 7^2 + 3^9 + 5^1 \\
19736 &:= -1^1 - 9^0 + 7^2 + 3^9 + 6^1 \\
19737 &:= -1^1 - 9^0 + 7^1 + 3^9 + 7^2 \\
19738 &:= -1^1 - 9^0 - 7^1 + 3^9 + 8^2 \\
19739 &:= -1^1 - 9^0 + 7^2 + 3^9 + 9^1 \\
19752 &:= -1^1 + 9^4 - 7^4 + 5^6 - 2^5 \\
19763 &:= -1^1 + 9^2 - 7^0 + 6^0 + 3^9
\end{aligned}$$

$$\begin{aligned}
19785 &:= -1^1 + 9^4 - 7^4 + 8^0 + 5^6 \\
19843 &:= -1^1 + 9^2 + 8^2 + 4^2 + 3^9 \\
19845 &:= -1^1 - 9^1 + 8^4 + 4^7 - 5^4 \\
19862 &:= -1^1 - 9^5 + 8^5 + 6^6 - 2^9 \\
19863 &:= -1^1 + 9^2 + 8^2 + 6^2 + 3^9 \\
19933 &:= -1^1 - 9^0 + 9^1 + 3^5 + 3^9
\end{aligned}$$

$$\begin{aligned}
20053 &:= -2^8 + 0^0 + 0^1 + 5^4 + 3^9 \\
20132 &:= -2^6 + 0^1 + 1^0 + 3^9 + 2^9 \\
20223 &:= -2^2 + 0^1 + 2^5 + 2^9 + 3^9 \\
20235 &:= -2^3 - 0^0 - 2^6 + 3^9 + 5^4 \\
20237 &:= -2^3 + 0^0 + 2^9 + 3^9 + 7^2 \\
20243 &:= -2^4 + 0^1 + 2^9 + 4^3 + 3^9 \\
20253 &:= -2^6 + 0^0 + 2^3 + 5^4 + 3^9 \\
20273 &:= -2^3 - 0^0 + 2^8 + 7^3 + 3^9 \\
20293 &:= -2^7 + 0^0 + 2^3 + 9^3 + 3^9 \\
20305 &:= -2^1 - 0^0 + 3^9 + 0^1 + 5^4 \\
20322 &:= -2^1 + 0^0 + 3^9 + 2^7 + 2^9 \\
20324 &:= -2^7 + 0^0 + 3^9 + 2^9 + 4^4 \\
20325 &:= -2^4 + 0^0 + 3^9 + 2^5 + 5^4 \\
20332 &:= -2^4 + 0^1 + 3^6 + 3^9 - 2^6 \\
20334 &:= -2^9 + 0^1 + 3^7 + 3^9 - 4^5 \\
20339 &:= -2^6 + 0^1 - 3^2 + 3^9 + 9^3 \\
20343 &:= -2^2 - 0^0 + 3^6 - 4^3 + 3^9 \\
20344 &:= -2^7 + 0^0 - 3^2 + 4^6 + 4^7 \\
20347 &:= -2^4 - 0^0 + 3^9 + 4^5 - 7^3 \\
20348 &:= -2^7 - 0^0 - 3^1 + 4^7 + 8^4 \\
20349 &:= -2^6 + 0^1 + 3^9 + 4^0 + 9^3 \\
20353 &:= -2^6 + 0^1 + 3^6 + 5^1 + 3^9 \\
20373 &:= -2^5 + 0^1 + 3^6 - 7^1 + 3^9 \\
20375 &:= -2^5 + 0^1 + 3^9 - 7^4 + 5^5 \\
20379 &:= -2^5 + 0^1 + 3^9 - 7^0 + 9^3 \\
20384 &:= -2^4 + 0^0 - 3^4 + 8^4 + 4^7 \\
20385 &:= -2^6 - 0^0 + 3^6 + 8^4 + 5^6 \\
20387 &:= -2^9 - 0^0 - 3^1 + 8^4 + 7^5 \\
20389 &:= -2^5 + 0^0 + 3^9 + 8^1 + 9^3 \\
20392 &:= -2^2 + 0^1 + 3^9 + 9^3 - 2^4 \\
20393 &:= -2^4 + 0^1 - 3^1 + 9^3 + 3^9 \\
20394 &:= -2^1 + 0^1 + 3^9 + 9^3 - 4^2 \\
20395 &:= -2^4 + 0^1 + 3^9 + 9^3 - 5^0 \\
20396 &:= -2^4 + 0^0 + 3^9 + 9^3 - 6^0
\end{aligned}$$

$$\begin{aligned}
20397 &:= -2^3 + 0^1 + 3^9 + 9^3 - 7^1 & 20768 &:= -2^7 - 0^0 + 7^5 - 6^1 + 8^4 & 22073 &:= -2^1 - 2^3 - 0^0 + 7^4 + 3^9 \\
20398 &:= -2^4 + 0^0 + 3^9 + 9^3 + 8^0 & 20774 &:= -2^7 + 0^1 - 7^0 + 7^5 + 4^6 & 22153 &:= -2^1 - 2^5 + 1^0 + 5^6 + 3^8 \\
20399 &:= -2^2 + 0^1 + 3^9 - 9^1 + 9^3 & 20782 &:= -2^7 - 0^0 + 7^5 + 8^4 + 2^3 & 22159 &:= -2^5 + 2^2 + 1^0 + 5^6 + 9^4 \\
20414 &:= -2^6 - 0^0 + 4^6 - 1^0 + 4^7 & 20783 &:= -2^7 - 0^0 + 7^5 + 8^4 + 3^2 & 22195 &:= -2^3 + 2^4 + 1^0 + 9^4 + 5^6 \\
20418 &:= -2^6 + 0^0 + 4^7 + 1^0 + 8^4 & 20784 &:= -2^7 + 0^0 + 7^5 + 8^1 + 4^6 & 22235 &:= -2^4 + 2^0 + 2^6 + 3^8 + 5^6 \\
20424 &:= -2^6 + 0^1 + 4^6 + 2^3 + 4^7 & 20789 &:= -2^5 - 0^0 + 7^5 + 8^4 - 9^2 & 22243 &:= -2^9 - 2^9 - 2^9 + 4^6 + 3^9 \\
20433 &:= -2^5 + 0^0 + 4^5 + 3^9 - 3^5 & 20837 &:= -2^6 - 0^0 + 8^4 - 3^0 + 7^5 & 22304 &:= -2^7 - 2^9 + 3^8 - 0^0 + 4^7 \\
20434 &:= -2^4 - 0^0 - 4^4 + 3^9 + 4^5 & 20847 &:= -2^6 + 0^1 + 8^1 + 4^6 + 7^5 & 22305 &:= -2^9 + 2^3 + 3^9 + 0^0 + 5^5 \\
20435 &:= -2^3 + 0^0 + 4^7 + 3^9 - 5^6 & 20864 &:= -2^5 + 0^1 + 8^5 - 6^5 - 4^6 & 22315 &:= -2^7 + 2^8 + 3^8 + 1^0 + 5^6 \\
20438 &:= -2^5 - 0^0 + 4^7 - 3^2 + 8^4 & 20870 &:= -2^5 - 0^0 + 8^4 + 7^5 + 0^1 & 22334 &:= -2^5 + 2^9 + 3^7 + 3^9 - 4^2 \\
20443 &:= -2^3 + 0^1 - 4^4 + 4^5 + 3^9 & 20871 &:= -2^5 + 0^0 + 8^4 + 7^5 - 1^0 & 22335 &:= -2^5 - 2^7 + 3^7 + 3^9 + 5^4 \\
20444 &:= -2^5 + 0^1 - 4^1 + 4^6 + 4^7 & 20872 &:= -2^4 + 0^0 + 8^4 + 7^5 - 2^4 & 22337 &:= -2^1 + 2^8 - 3^0 + 3^9 + 7^4 \\
20446 &:= -2^5 - 0^0 + 4^6 + 4^7 - 6^0 & 20873 &:= -2^1 - 0^0 + 8^4 + 7^5 - 3^3 & 22339 &:= -2^2 - 2^8 + 3^7 + 3^9 + 9^3 \\
20447 &:= -2^5 + 0^1 + 4^6 + 4^7 - 7^0 & 20874 &:= -2^5 - 0^0 + 8^4 + 7^5 + 4^1 & 22347 &:= -2^8 + 2^0 + 3^8 + 4^7 - 7^3 \\
20448 &:= -2^4 + 0^1 - 4^2 + 4^7 + 8^4 & 20875 &:= -2^1 - 0^0 + 8^4 + 7^5 - 5^2 & 22352 &:= -2^3 + 2^6 + 3^9 + 5^5 - 2^9 \\
20449 &:= -2^5 + 0^1 + 4^6 + 4^7 + 9^0 & 20876 &:= -2^5 - 0^0 + 8^4 + 7^5 + 6^1 & 22353 &:= -2^3 + 2^8 - 3^4 + 5^6 + 3^8 \\
20453 &:= -2^7 - 0^0 + 4^5 - 5^3 + 3^9 & 20877 &:= -2^5 - 0^0 + 8^4 + 7^1 + 7^5 & 22355 &:= -2^9 + 2^6 + 3^9 + 5^5 - 5^1 \\
20454 &:= -2^5 + 0^0 + 4^6 + 5^1 + 4^7 & 20878 &:= -2^4 - 0^0 - 8^1 + 7^5 + 8^4 & 22357 &:= -2^3 + 2^8 + 3^9 + 5^2 + 7^4 \\
20458 &:= -2^4 - 0^0 + 4^7 - 5^1 + 8^4 & 20879 &:= -2^4 + 0^0 + 8^4 + 7^5 - 9^1 & 22358 &:= -2^1 + 2^6 + 3^9 + 5^5 - 8^3 \\
20463 &:= -2^9 + 0^1 - 4^1 + 6^4 + 3^9 & 20887 &:= -2^3 + 0^1 - 8^1 + 8^4 + 7^5 & 22359 &:= -2^1 + 2^8 - 3^4 + 5^6 + 9^4 \\
20464 &:= -2^4 - 0^0 + 4^6 + 6^0 + 4^7 & & & 22364 &:= -2^9 - 2^0 - 3^9 + 6^6 - 4^6 \\
20473 &:= -2^9 + 0^0 + 4^6 + 7^5 + 3^4 \mathbf{20893} &:= -2^5 + 0^0 + 8^3 + 9^3 + 3^9 & 22372 &:= -2^5 + 2^6 + 3^9 + 7^4 + 2^8 \\
20474 &:= -2^2 - 0^0 + 4^6 - 7^0 + 4^7 & 20897 &:= -2^2 - 0^0 + 8^4 - 9^0 + 7^5 & 22373 &:= -2^4 + 2^9 + 3^7 + 7^1 + 3^9 \\
20478 &:= -2^1 - 0^0 + 4^7 + 7^0 + 8^4 & 20923 &:= -2^1 + 0^0 + 9^3 + 2^9 + 3^9 & 22374 &:= -2^1 + 2^5 + 3^8 + 7^5 - 4^5 \\
20479 &:= -2^6 - 0^0 + 4^7 - 7^4 + 9^4 & 20963 &:= -2^3 + 0^0 - 9^1 + 6^4 + 3^9 & 22375 &:= -2^7 - 2^8 + 3^9 - 7^2 + 5^5 \\
20480 &:= -2^1 + 0^0 + 4^7 + 8^4 + 0^0 & 21236 &:= -2^8 + 1^0 + 2^9 + 3^9 + 6^4 & 22376 &:= -2^2 - 2^4 - 3^7 + 7^5 + 6^5 \\
20482 &:= -2^1 + 0^1 + 4^7 + 8^4 + 2^2 & 21347 &:= -2^5 + 1^0 + 3^9 + 4^6 - 7^4 & 22378 &:= -2^4 - 2^7 + 3^8 - 7^5 + 8^5 \\
20484 &:= -2^2 + 0^1 + 4^6 + 8^1 + 4^7 & 21362 &:= -2^7 - 1^0 + 3^9 + 6^4 + 2^9 & 22379 &:= -2^2 - 2^8 - 3^6 + 7^5 + 9^4 \\
20498 &:= -2^6 + 0^0 + 4^7 + 9^2 + 8^4 & 21363 &:= -2^9 - 1^0 + 3^7 + 6^1 + 3^9 & 22395 &:= -2^1 - 2^5 + 3^5 + 9^4 + 5^6 \\
20532 &:= -2^5 + 0^1 + 5^4 + 3^9 + 2^8 & 21433 &:= -2^1 - 1^0 + 4^5 + 3^6 + 3^9 & 22423 &:= -2^1 - 2^3 + 4^7 - 2^9 + 3^8 \\
20533 &:= -2^2 + 0^1 + 5^3 + 3^6 + 3^9 & 21634 &:= -2^4 + 1^0 - 6^4 + 3^8 + 4^7 & 22429 &:= -2^1 - 2^1 + 4^7 - 2^9 + 9^4 \\
20597 &:= -2^6 + 0^1 + 5^5 + 9^3 + 7^5 & 21693 &:= -2^4 + 1^0 + 6^4 + 9^3 + 3^9 & 22430 &:= -2^1 - 2^9 + 4^7 + 3^8 - 0^0 \\
20635 &:= -2^8 + 0^0 - 6^4 + 3^8 + 5^6 & 21837 &:= -2^8 + 1^0 + 8^1 + 3^9 + 7^4 & 22431 &:= -2^9 - 2^0 + 4^7 + 3^8 - 1^0 \\
20636 &:= -2^7 + 0^0 - 6^3 + 3^9 + 6^4 & 21893 &:= -2^8 + 1^0 - 8^4 + 9^4 + 3^9 & 22432 &:= -2^1 + 2^0 + 4^7 + 3^8 - 2^9 \\
20643 &:= -2^6 + 0^0 - 6^0 + 4^5 + 3^9 & 21925 &:= -2^2 - 1^0 + 9^4 - 2^8 + 5^6 & 22433 &:= -2^9 - 2^0 + 4^7 + 3^0 + 3^8 \\
20647 &:= -2^8 + 0^0 - 6^0 + 4^6 + 7^5 & 21945 &:= -2^8 - 1^0 + 9^4 + 4^2 + 5^6 & 22434 &:= -2^8 + 2^0 - 4^4 + 3^8 + 4^7 \\
20673 &:= -2^8 - 0^0 + 6^4 - 7^2 + 3^9 & 21965 &:= -2^2 - 1^0 + 9^4 - 6^3 + 5^6 & 22435 &:= -2^3 + 2^0 + 4^4 + 3^8 + 5^6 \\
20678 &:= -2^3 - 0^0 - 6^3 + 7^5 + 8^4 & 21984 &:= -2^7 + 1^0 - 9^4 + 8^5 - 4^6 & 22436 &:= -2^9 + 2^1 + 4^7 + 3^8 + 6^0 \\
20739 &:= -2^4 + 0^1 + 7^3 + 3^9 + 9^3 & 22037 &:= -2^4 - 2^5 + 0^0 + 3^9 + 7^4 & 22438 &:= -2^9 + 2^2 + 4^7 + 3^8 + 8^0 \\
20742 &:= -2^5 - 0^0 + 7^5 + 4^6 - 2^7 & 22053 &:= -2^2 - 2^7 - 0^0 + 5^6 + 3^8 & 22443 &:= -2^8 + 2^5 + 4^6 + 4^7 + 3^7 \\
20745 &:= -2^5 - 0^0 + 7^5 + 4^6 - 5^3 & 22059 &:= -2^6 - 2^6 + 0^0 + 5^6 + 9^4 & 22449 &:= -2^8 + 2^4 - 4^4 + 4^7 + 9^4
\end{aligned}$$

$$\begin{aligned}
22459 &:= -2^9 + 2^0 + 4^7 + 5^2 + 9^4 & 22753 &:= -2^1 - 2^2 - 7^2 + 5^5 + 3^9 & 22977 &:= -2^4 - 2^5 + 9^4 - 7^3 + 7^5 \\
22463 &:= -2^2 - 2^4 + 4^6 - 6^4 + 3^9 & 22773 &:= -2^8 + 2^2 - 7^3 + 7^5 + 3^8 & 22994 &:= -2^4 - 2^4 + 9^2 + 9^4 + 4^7 \\
22464 &:= -2^8 - 2^8 + 4^6 - 6^6 + 4^8 & 22791 &:= -2^6 - 2^9 + 7^5 + 9^4 - 1^0 & 23034 &:= -2^4 - 3^6 + 0^1 + 3^9 + 4^6 \\
22466 &:= -2^5 + 2^1 - 4^7 + 6^6 - 6^5 & 22792 &:= -2^5 - 2^5 + 7^5 + 9^4 - 2^9 & 23035 &:= -2^4 + 3^5 + 0^1 + 3^9 + 5^5 \\
22469 &:= -2^2 - 2^8 + 4^7 - 6^3 + 9^4 & 22793 &:= -2^2 - 2^4 + 7^4 + 9^3 + 3^9 & 23042 &:= -2^5 + 3^8 + 0^0 + 4^7 + 2^7 \\
22473 &:= -2^7 - 2^0 + 4^7 - 7^3 + 3^8 & 22794 &:= -2^4 - 2^7 - 7^1 + 9^4 + 4^7 & 23043 &:= -2^3 - 3^6 + 0^0 + 4^6 + 3^9 \\
22483 &:= -2^4 - 2^8 - 4^5 + 8^4 + 3^9 & 22795 &:= -2^9 + 2^6 + 7^5 + 9^4 - 5^3 & 23049 &:= -2^1 + 3^9 + 0^0 + 4^6 - 9^3 \\
22489 &:= -2^3 - 2^9 + 4^7 + 8^2 + 9^4 & 22834 &:= -2^7 + 2^4 + 8^0 + 3^8 + 4^7 & 23054 &:= -2^4 + 3^8 + 0^1 + 5^3 + 4^7 \\
22496 &:= -2^9 + 2^6 + 4^7 + 9^4 - 6^0 & 22835 &:= -2^2 + 2^5 - 8^0 + 3^9 + 5^5 & 23065 &:= -2^8 - 3^4 + 0^0 + 6^5 + 5^6 \\
22498 &:= -2^9 + 2^0 + 4^7 + 9^4 + 8^2 & 22846 &:= -2^1 - 2^7 + 8^4 + 4^8 - 6^6 & 23074 &:= -2^4 + 3^7 + 0^1 + 7^5 + 4^6 \\
22532 &:= -2^2 - 2^4 + 5^5 + 3^9 - 2^8 & 22847 &:= -2^1 - 2^5 + 8^4 + 4^7 + 7^4 & 23076 &:= -2^8 + 3^8 + 0^1 + 7^5 - 6^2 \\
22533 &:= -2^4 - 2^4 + 5^5 - 3^5 + 3^9 & 22849 &:= -2^4 - 2^4 - 8^2 + 4^7 + 9^4 & 23087 &:= -2^1 + 3^7 - 0^0 + 8^4 + 7^5 \\
22534 &:= -2^1 - 2^4 + 5^5 + 3^9 - 4^4 & 22856 &:= -2^5 - 2^0 - 8^3 + 5^6 + 6^5 & 23127 &:= -2^8 + 3^8 - 1^0 + 2^4 + 7^5 \\
22535 &:= -2^4 - 2^8 - 5^0 + 3^9 + 5^5 & 22863 &:= -2^4 + 2^1 - 8^4 + 6^6 - 3^9 & 23145 &:= -2^3 + 3^9 - 1^0 + 4^6 - 5^4 \\
22536 &:= -2^3 - 2^7 + 5^6 - 3^6 + 6^5 & 22865 &:= -2^3 - 2^4 - 8^3 + 6^5 + 5^6 & 23146 &:= -2^4 + 3^8 + 1^0 + 4^7 + 6^3 \\
22537 &:= -2^3 + 2^4 + 5^6 + 3^8 + 7^3 & 22873 &:= -2^9 + 2^4 + 8^0 + 7^5 + 3^8 & 23163 &:= -2^1 + 3^7 - 1^0 + 6^4 + 3^9 \\
22538 &:= -2^5 - 2^7 + 5^6 + 3^8 + 8^3 & 22874 &:= -2^3 + 2^0 + 8^4 + 7^4 + 4^7 & 23204 &:= -2^6 + 3^9 - 2^9 + 0^0 + 4^6 \\
22539 &:= -2^2 - 2^8 + 5^5 + 3^9 - 9^1 & 22883 &:= -2^7 - 2^8 - 8^3 + 8^4 + 3^9 & 23234 &:= -2^2 + 3^9 + 2^8 + 3^9 - 4^7 \\
22543 &:= -2^3 - 2^0 + 5^5 - 4^4 + 3^9 & 22904 &:= -2^3 - 2^5 + 9^4 - 0^0 + 4^7 & 23235 &:= -2^2 - 3^4 + 2^9 + 3^9 + 5^5 \\
22553 &:= -2^1 - 2^7 - 5^3 + 5^5 + 3^9 & 22914 &:= -2^4 - 2^4 + 9^4 + 1^0 + 4^7 & 23237 &:= -2^1 - 3^0 - 2^7 + 3^8 + 7^5 \\
22554 &:= -2^4 - 2^6 + 5^5 + 5^5 + 4^7 & 22924 &:= -2^2 - 2^0 + 9^4 - 2^4 + 4^7 & 23238 &:= -2^1 - 3^3 - 2^9 + 3^9 + 8^4 \\
22558 &:= -2^5 - 2^8 + 5^5 + 5^6 + 8^4 & 22934 &:= -2^1 - 2^3 - 9^0 + 3^8 + 4^7 & 23252 &:= -2^2 + 3^9 - 2^6 + 5^5 + 2^9 \\
22559 &:= -2^3 + 2^8 + 5^3 + 5^6 + 9^4 & 22935 &:= -2^1 + 2^7 + 9^0 + 3^9 + 5^5 & 23253 &:= -2^6 - 3^1 + 2^9 + 5^5 + 3^9 \\
22573 &:= -2^3 - 2^7 + 5^4 + 7^4 + 3^9 & 22937 &:= -2^2 + 2^7 + 9^3 + 3^9 + 7^4 & 23254 &:= -2^1 + 3^9 + 2^9 + 5^5 - 4^3 \\
22593 &:= -2^8 + 2^5 + 5^5 + 9^1 + 3^9 & 22938 &:= -2^7 + 2^4 - 9^3 + 3^9 + 8^4 & 23255 &:= -2^6 + 3^9 + 2^9 + 5^5 - 5^0 \\
22595 &:= -2^7 + 2^9 + 5^2 + 9^4 + 5^6 & 22940 &:= -2^1 - 2^1 + 9^4 + 4^7 - 0^0 & 23256 &:= -2^3 - 3^2 - 2^7 + 5^6 + 6^5 \\
22624 &:= -2^9 - 2^9 + 6^5 - 2^9 + 4^7 & 22941 &:= -2^1 - 2^0 + 9^4 + 4^7 - 1^0 & 23257 &:= -2^3 + 3^8 - 2^7 + 5^2 + 7^5 \\
22625 &:= -2^3 - 2^8 + 6^5 - 2^9 + 5^6 & 22942 &:= -2^1 + 2^0 + 9^4 + 4^7 - 2^1 & 23258 &:= -2^6 + 3^9 + 2^1 + 5^5 + 8^3 \\
22635 &:= -2^6 + 2^9 + 6^0 + 3^8 + 5^6 & 22943 &:= -2^1 + 2^0 - 9^0 + 4^7 + 3^8 & 23264 &:= -2^2 + 3^9 - 2^9 + 6^0 + 4^6 \\
22647 &:= -2^6 + 2^9 + 6^4 + 4^6 + 7^5 & 22944 &:= -2^1 + 2^1 + 9^4 + 4^7 - 4^0 & 23265 &:= -2^7 - 3^2 + 2^0 + 6^5 + 5^6 \\
22649 &:= -2^2 - 2^8 - 6^2 + 4^7 + 9^4 & 22945 &:= -2^1 + 2^0 + 9^4 + 4^7 + 5^0 & 23268 &:= -2^8 + 3^9 - 2^8 + 6^0 + 8^4 \\
22665 &:= -2^3 - 2^9 - 6^3 + 6^5 + 5^6 & 22946 &:= -2^1 + 2^1 + 9^4 + 4^7 + 6^0 & 23271 &:= -2^5 + 3^8 - 2^6 + 7^5 - 1^0 \\
22687 &:= -2^5 + 2^7 - 6^5 + 8^5 - 7^4 & 22947 &:= -2^2 - 2^0 + 9^4 + 4^7 + 7^1 & 23272 &:= -2^4 + 3^8 - 2^4 + 7^5 - 2^6 \\
22694 &:= -2^8 - 2^0 + 6^1 + 9^4 + 4^7 & 22948 &:= -2^1 + 2^2 + 9^4 + 4^7 + 8^0 & 23273 &:= -2^2 - 3^3 - 2^6 + 7^5 + 3^8 \\
22695 &:= -2^1 + 2^9 - 6^0 + 9^4 + 5^6 & 22949 &:= -2^2 - 2^0 + 9^1 + 4^7 + 9^4 & 23274 &:= -2^4 + 3^8 + 2^1 + 7^3 + 4^7 \\
22729 &:= -2^7 - 2^9 + 7^5 + 2^0 + 9^4 & 22952 &:= -2^1 + 2^8 + 9^4 + 5^6 + 2^9 & 23275 &:= -2^2 + 3^8 - 2^6 + 7^5 - 5^2 \\
22732 &:= -2^7 + 2^2 + 7^5 + 3^8 - 2^9 & 22953 &:= -2^6 + 2^7 + 9^2 + 5^5 + 3^9 & 23276 &:= -2^2 - 3^8 - 2^3 - 7^5 + 6^6 \\
22733 &:= -2^4 - 2^6 + 7^4 + 3^6 + 3^9 & 22954 &:= -2^2 + 2^3 + 9^4 + 5^1 + 4^7 & 23277 &:= -2^2 + 3^8 + 2^8 + 7^5 - 7^3 \\
22734 &:= -2^2 - 2^8 + 7^2 + 3^8 + 4^7 & 22964 &:= -2^4 - 2^0 + 9^4 + 6^2 + 4^7 & 23278 &:= -2^4 - 3^8 - 2^9 - 7^4 + 8^5 \\
22735 &:= -2^1 - 2^6 - 7^1 + 3^9 + 5^5 & 22974 &:= -2^2 - 2^4 + 9^4 + 7^2 + 4^7 & 23279 &:= -2^2 - 3^4 - 2^2 + 7^5 + 9^4 \\
22737 &:= -2^5 - 2^8 - 7^3 + 3^8 + 7^5 & 22975 &:= -2^6 - 2^7 + 9^6 - 7^6 - 5^8 & 23282 &:= -2^9 + 3^9 - 2^0 + 8^4 + 2^4
\end{aligned}$$

$$\begin{aligned}
23284 &:= -2^9 + 3^9 + 2^0 + 8^4 + 4^2 & 23443 &:= -2^8 - 3^4 + 4^0 + 4^6 + 3^9 & 23586 &:= -2^1 + 3^9 + 5^2 + 8^4 - 6^3 \\
23297 &:= -2^2 - 3^1 - 2^6 + 9^4 + 7^5 & 23448 &:= -2^3 + 3^8 - 4^0 + 4^7 + 8^3 & 23587 &:= -2^7 + 3^7 + 5^4 + 8^4 + 7^5 \\
23307 &:= -2^6 + 3^1 + 3^8 + 0^1 + 7^5 & 23456 &:= -2^3 - 3^0 + 4^3 + 5^6 + 6^5 & 23588 &:= -2^1 + 3^9 - 5^3 + 8^4 - 8^2 \\
23325 &:= -2^2 + 3^2 + 3^9 + 2^9 + 5^5 & 23457 &:= -2^2 + 3^9 + 4^6 + 5^2 - 7^3 & 23589 &:= -2^6 + 3^9 - 5^3 + 8^4 - 9^0 \\
23327 &:= -2^3 - 3^0 + 3^8 - 2^5 + 7^5 & 23458 &:= -2^2 + 3^8 + 4^7 + 5^1 + 8^3 & 23634 &:= -2^2 + 3^6 - 6^2 + 3^8 + 4^7 \\
23328 &:= -2^9 - 3^1 + 3^9 + 2^6 + 8^4 & 23465 &:= -2^4 + 3^4 - 4^0 + 6^5 + 5^6 & 23635 &:= -2^3 - 3^0 + 6^5 + 3^5 + 5^6 \\
23342 &:= -2^6 + 3^7 + 3^9 + 4^5 + 2^9 & 23472 &:= -2^3 + 3^8 - 4^2 + 7^5 + 2^7 & 23636 &:= -2^4 + 3^8 - 6^4 + 3^9 - 6^4 \\
23344 &:= -2^7 - 3^5 + 3^9 - 4^3 + 4^6 & 23473 &:= -2^6 - 3^5 + 4^6 + 7^0 + 3^9 & 23639 &:= -2^8 + 3^7 + 6^4 + 3^9 + 9^3 \\
23345 &:= -2^8 + 3^6 + 3^9 + 4^3 + 5^5 & 23475 &:= -2^1 + 3^8 - 4^2 + 7^5 + 5^3 & 23640 &:= -2^9 - 3^2 + 6^5 + 4^7 + 0^0 \\
23346 &:= -2^2 - 3^4 - 3^6 + 4^7 + 6^5 & 23476 &:= -2^1 - 3^4 - 4^5 + 7^5 + 6^5 & 23642 &:= -2^3 + 3^9 - 6^0 + 4^6 - 2^7 \\
23347 &:= -2^1 - 3^1 + 3^8 - 4^2 + 7^5 & 23477 &:= -2^2 + 3^8 + 4^3 + 7^2 + 7^5 & 23643 &:= -2^5 + 3^6 + 6^0 + 4^7 + 3^8 \\
23349 &:= -2^9 + 3^0 + 3^9 + 4^6 + 9^2 & 23479 &:= -2^6 - 3^4 + 4^4 + 7^5 + 9^4 & 23644 &:= -2^7 + 3^9 - 6^1 + 4^6 - 4^0 \\
23364 &:= -2^1 + 3^1 + 3^9 + 6^5 - 4^6 & 23486 &:= -2^8 + 3^9 - 4^0 + 8^4 - 6^2 & 23645 &:= -2^3 + 3^9 - 6^0 + 4^6 - 5^3 \\
23365 &:= -2^3 - 3^0 - 3^3 + 6^5 + 5^6 & 23492 &:= -2^1 - 3^9 - 4^7 + 9^5 + 2^9 & 23646 &:= -2^6 - 3^8 - 6^0 - 4^7 + 6^6 \\
23366 &:= -2^4 + 3^7 + 3^9 + 6^3 + 6^4 & 23494 &:= -2^9 - 3^9 + 4^5 + 9^5 - 4^7 & 23648 &:= -2^6 - 3^8 + 6^6 - 4^7 + 8^0 \\
23367 &:= -2^1 + 3^4 - 3^8 + 6^6 - 7^5 & 23496 &:= -2^4 - 3^6 + 4^7 + 9^2 + 6^5 & 23649 &:= -2^7 + 3^9 - 6^0 + 4^6 - 9^0 \\
23368 &:= -2^2 + 3^2 + 3^9 + 6^5 - 8^4 & 23497 &:= -2^4 + 3^4 + 4^3 + 9^4 + 7^5 & 23652 &:= -2^1 - 3^1 + 6^5 + 5^6 + 2^8 \\
23370 &:= -2^1 + 3^1 + 3^8 + 7^5 + 0^0 & 23499 &:= -2^8 + 3^4 + 4^7 + 9^3 + 9^4 & 23654 &:= -2^1 - 3^0 + 6^5 + 5^6 + 4^4 \\
23372 &:= -2^2 + 3^2 + 3^8 + 7^5 - 2^0 & 23523 &:= -2^4 + 3^6 + 5^5 + 2^1 + 3^9 & 23655 &:= -2^7 - 3^5 + 6^5 + 5^4 + 5^6 \\
23374 &:= -2^1 + 3^2 + 3^8 + 7^5 - 4^0 & 23524 &:= -2^8 + 3^9 - 5^0 + 2^1 + 4^6 & 23656 &:= -2^6 + 3^3 - 6^5 + 5^7 - 6^6 \\
23376 &:= -2^1 + 3^2 + 3^8 + 7^5 + 6^0 & 23526 &:= -2^1 - 3^0 + 5^6 + 2^7 + 6^5 & 23657 &:= -2^8 - 3^8 + 6^6 + 5^4 - 7^5 \\
23378 &:= -2^4 + 3^3 + 3^8 + 7^5 - 8^0 & 23528 &:= -2^7 + 3^9 - 5^3 + 2^1 + 8^4 & 23658 &:= -2^7 + 3^9 + 6^1 + 5^0 + 8^4 \\
23382 &:= -2^7 + 3^5 + 3^9 + 8^4 - 2^9 & 23529 &:= -2^4 + 3^9 + 5^5 + 2^3 + 9^3 & 23672 &:= -2^7 - 3^8 + 6^6 - 7^5 + 2^9 \\
23384 &:= -2^6 - 3^2 + 3^8 + 8^3 + 4^7 & 23530 &:= -2^3 + 3^6 + 5^5 + 3^9 + 0^0 & 23674 &:= -2^5 + 3^9 + 6^5 + 7^3 - 4^6 \\
23385 &:= -2^4 + 3^4 + 3^9 + 8^3 + 5^5 & 23532 &:= -2^2 + 3^6 + 5^5 + 3^9 - 2^0 & 23675 &:= -2^8 - 3^3 + 6^5 + 7^5 - 5^4 \\
23387 &:= -2^4 + 3^3 + 3^8 + 8^1 + 7^5 & 23534 &:= -2^1 + 3^6 + 5^5 + 3^9 - 4^0 & 23676 &:= -2^4 - 3^7 + 6^4 + 7^5 + 6^5 \\
23406 &:= -2^9 - 3^5 + 4^7 + 0^0 + 6^5 & 23536 &:= -2^1 + 3^6 + 5^5 + 3^9 + 6^0 & 23677 &:= -2^7 - 3^6 + 6^5 - 7^2 + 7^5 \\
23416 &:= -2^4 - 3^6 + 4^7 + 1^0 + 6^5 & 23542 &:= -2^5 + 3^8 + 5^4 + 4^7 + 2^2 & 23678 &:= -2^5 - 3^3 + 6^5 - 7^5 + 8^5 \\
23417 &:= -2^4 + 3^8 + 4^3 + 1^0 + 7^5 & 23543 &:= -2^8 + 3^6 + 5^3 + 4^7 + 3^8 & 23679 &:= -2^8 + 3^4 + 6^5 + 7^5 - 9^3 \\
23419 &:= -2^8 + 3^6 + 4^7 + 1^0 + 9^4 & 23544 &:= -2^2 + 3^9 + 5^2 + 4^6 - 4^4 & 23680 &:= -2^6 + 3^9 - 6^2 + 8^4 + 0^0 \\
23424 &:= -2^5 + 3^8 - 4^0 + 2^9 + 4^7 & 23546 &:= -2^4 + 3^3 - 5^4 + 4^7 + 6^5 & 23682 &:= -2^5 + 3^9 - 6^0 + 8^4 - 2^6 \\
23426 &:= -2^2 - 3^6 + 4^7 - 2^0 + 6^5 & 23547 &:= -2^4 + 3^8 + 5^4 + 4^7 - 7^1 & 23683 &:= -2^4 - 3^4 + 6^0 + 8^4 + 3^9 \\
23427 &:= -2^2 + 3^8 - 4^0 + 2^6 + 7^5 & 23548 &:= -2^9 + 3^5 + 5^6 + 4^6 + 8^4 & 23684 &:= -2^5 + 3^9 + 6^0 + 8^4 - 4^3 \\
23432 &:= -2^4 - 3^2 + 4^7 + 3^8 + 2^9 & 23549 &:= -2^2 + 3^9 + 5^5 + 4^2 + 9^3 & 23686 &:= -2^7 + 3^9 - 6^0 + 8^4 + 6^2 \\
23433 &:= -2^8 - 3^2 + 4^6 - 3^4 + 3^9 & 23564 &:= -2^4 + 3^5 + 5^6 + 6^5 - 4^3 & 23688 &:= -2^7 + 3^9 + 6^2 + 8^0 + 8^4 \\
23434 &:= -2^3 - 3^4 - 4^4 + 3^9 + 4^6 & 23567 &:= -2^4 + 3^8 - 5^0 + 6^3 + 7^5 & 23689 &:= -2^3 + 3^9 - 6^0 + 8^4 - 9^2 \\
23436 &:= -2^2 - 3^6 + 4^7 + 3^2 + 6^5 & 23569 &:= -2^2 + 3^9 + 5^5 + 6^2 + 9^3 & 23694 &:= -2^3 - 3^2 + 6^6 - 9^4 - 4^7 \\
23437 &:= -2^1 + 3^1 + 4^6 + 3^9 - 7^3 & 23582 &:= -2^3 + 3^9 - 5^3 + 8^4 - 2^6 & 23707 &:= -2^2 + 3^8 + 7^3 + 0^1 + 7^5 \\
23438 &:= -2^2 - 3^4 - 4^4 + 3^9 + 8^4 & 23583 &:= -2^9 + 3^7 + 5^6 + 8^4 + 3^7 & 23708 &:= -2^6 + 3^9 - 7^1 + 0^1 + 8^4 \\
23439 &:= -2^4 - 3^5 + 4^6 + 3^9 - 9^2 & 23584 &:= -2^6 + 3^9 + 5^3 + 8^4 - 4^4 & 23723 &:= -2^4 + 3^5 + 7^5 + 2^7 + 3^8 \\
23442 &:= -2^4 + 3^8 + 4^0 + 4^7 + 2^9 & 23585 &:= -2^6 + 3^9 - 5^1 + 8^4 - 5^3 & 23724 &:= -2^3 + 3^9 - 7^2 + 2^1 + 4^6
\end{aligned}$$

$$\begin{aligned}
23726 &:= -2^6 - 3^6 + 7^5 - 2^6 + 6^5 & 23842 &:= -2^1 + 3^9 + 8^0 + 4^6 + 2^6 & 24034 &:= -2^1 + 4^4 + 0^0 + 3^9 + 4^6 \\
23727 &:= -2^4 + 3^8 + 7^3 + 2^5 + 7^5 & 23843 &:= -2^4 + 3^4 - 8^0 + 4^6 + 3^9 & 24036 &:= -2^7 + 4^7 + 0^0 + 3^1 + 6^5 \\
23728 &:= -2^2 + 3^9 - 7^2 + 2^1 + 8^4 & 23852 &:= -2^4 + 3^9 + 8^4 + 5^2 + 2^6 & 24056 &:= -2^7 + 4^7 - 0^0 + 5^2 + 6^5 \\
23740 &:= -2^5 + 3^9 - 7^1 + 4^6 + 0^1 & 23853 &:= -2^3 + 3^4 + 8^4 + 5^0 + 3^9 & 24063 &:= -2^4 + 4^7 + 0^1 + 6^5 - 3^4 \\
23741 &:= -2^5 + 3^9 - 7^1 + 4^6 + 1^0 & 23856 &:= -2^8 + 3^9 + 8^1 + 5^5 + 6^4 & 24064 &:= -2^5 - 4^3 + 0^1 + 6^5 + 4^7 \\
23742 &:= -2^2 + 3^9 - 7^0 + 4^6 - 2^5 & 23857 &:= -2^7 + 3^8 - 8^1 + 5^4 + 7^5 & 24067 &:= -2^9 - 4^1 + 0^1 + 6^5 + 7^5 \\
23743 &:= -2^1 - 3^3 - 7^1 + 4^6 + 3^9 & 23859 &:= -2^1 + 3^7 - 8^3 + 5^6 + 9^4 & 24076 &:= -2^9 + 4^1 + 0^0 + 7^5 + 6^5 \\
23744 &:= -2^1 + 3^9 - 7^2 + 4^2 + 4^6 & 23866 &:= -2^7 + 3^9 + 8^4 + 6^3 - 6^0 & 24096 &:= -2^6 + 4^7 - 0^0 + 9^0 + 6^5 \\
23745 &:= -2^1 + 3^9 - 7^1 + 4^6 - 5^2 & 23867 &:= -2^8 + 3^9 + 8^4 + 6^0 + 7^3 & 24136 &:= -2^5 + 4^7 - 1^0 + 3^2 + 6^5 \\
23746 &:= -2^2 + 3^9 + 7^1 + 4^6 - 6^2 & 23868 &:= -2^7 + 3^9 + 8^0 + 6^3 + 8^4 & 24137 &:= -2^8 + 4^5 + 1^0 + 3^8 + 7^5 \\
23747 &:= -2^5 + 3^9 + 7^0 + 4^6 - 7^0 & 23871 &:= -2^3 + 3^8 + 8^3 + 7^5 - 1^0 & 24146 &:= -2^4 + 4^0 + 1^0 + 4^7 + 6^5 \\
23747 &:= -2^5 + 3^9 - 7^0 + 4^6 + 7^0 & 23872 &:= -2^2 + 3^8 + 8^3 + 7^5 - 2^2 & 24156 &:= -2^2 + 4^7 - 1^0 + 5^0 + 6^5 \\
23748 &:= -2^4 + 3^9 - 7^1 + 4^6 - 8^1 & 23873 &:= -2^2 - 3^1 + 8^3 + 7^5 + 3^8 & 24160 &:= -2^1 + 4^7 + 1^0 + 6^5 + 0^0 \\
23749 &:= -2^5 + 3^9 + 7^0 + 4^6 + 9^0 & 23874 &:= -2^1 + 3^8 + 8^3 + 7^5 - 4^1 & 24176 &:= -2^5 + 4^7 - 1^0 + 7^2 + 6^5 \\
23763 &:= -2^6 - 3^3 + 7^5 + 6^5 - 3^6 & 23875 &:= -2^2 + 3^8 + 8^3 + 7^5 - 5^0 & 24223 &:= -2^2 + 4^6 - 2^6 + 2^9 + 3^9 \\
23764 &:= -2^1 + 3^9 - 7^2 + 6^2 + 4^6 & 23876 &:= -2^4 + 3^9 + 8^3 + 7^4 + 6^4 & 24226 &:= -2^1 + 4^7 + 2^2 + 2^6 + 6^5 \\
23765 &:= -2^6 - 3^6 + 7^5 + 6^5 - 5^2 & 23877 &:= -2^1 + 3^8 + 8^3 + 7^5 - 7^0 & 24236 &:= -2^2 + 4^7 - 2^0 + 3^4 + 6^5 \\
23768 &:= -2^1 - 3^8 - 7^4 - 6^2 + 8^5 & 23879 &:= -2^1 + 3^0 + 8^3 + 7^5 + 9^4 & 24243 &:= -2^5 - 4^2 + 2^9 + 4^6 + 3^9 \\
23769 &:= -2^2 - 3^4 + 7^5 + 6^5 - 9^3 & 23891 &:= -2^7 - 3^7 + 8^5 - 9^4 - 1^0 & 24263 &:= -2^4 + 4^7 + 2^7 + 6^5 - 3^2 \\
23781 &:= -2^2 + 3^9 + 7^1 + 8^4 - 1^0 & 23892 &:= -2^4 + 3^9 + 8^4 + 9^0 + 2^7 & 24264 &:= -2^3 - 4^2 + 2^7 + 6^5 + 4^7 \\
23782 &:= -2^1 + 3^9 + 7^0 + 8^4 + 2^2 & 23893 &:= -2^7 - 3^7 + 8^5 + 9^0 - 3^8 & 24265 &:= -2^2 + 4^7 - 2^4 + 6^5 + 5^3 \\
23783 &:= -2^1 - 3^0 + 7^1 + 8^4 + 3^9 & 23897 &:= -2^6 + 3^4 + 8^3 + 9^4 + 7^5 & 24266 &:= -2^4 + 4^7 + 2^7 + 6^5 - 6^1 \\
23784 &:= -2^1 + 3^9 - 7^0 + 8^1 + 4^6 & 23924 &:= -2^6 + 3^9 + 9^2 + 2^7 + 4^6 & 24267 &:= -2^6 + 4^1 - 2^8 + 6^5 + 7^5 \\
23785 &:= -2^1 + 3^9 + 7^1 + 8^4 + 5^0 & 23925 &:= -2^9 + 3^7 + 9^4 + 2^6 + 5^6 & 24269 &:= -2^2 + 4^7 + 2^5 + 6^4 + 9^4 \\
23786 &:= -2^2 - 3^6 + 7^5 - 8^2 + 6^5 & 23930 &:= -2^7 - 3^7 + 9^4 + 3^9 + 0^0 & 24283 &:= -2^2 - 4^1 + 2^9 + 8^4 + 3^9 \\
23788 &:= -2^5 + 3^9 + 7^2 + 8^4 - 8^1 & 23944 &:= -2^4 - 3^2 + 9^4 + 4^5 + 4^7 & 24286 &:= -2^1 + 4^7 + 2^6 + 8^2 + 6^5 \\
23789 &:= -2^3 - 3^2 - 7^4 + 8^5 - 9^4 & 23947 &:= -2^8 + 3^9 + 9^2 + 4^6 + 7^3 & 24288 &:= -2^5 - 4^6 - 2^8 - 8^4 + 8^5 \\
23803 &:= -2^2 + 3^3 + 8^4 + 0^0 + 3^9 & 23948 &:= -2^3 - 3^7 - 9^4 - 4^3 + 8^5 & 24333 &:= -2^1 - 4^6 + 3^7 + 3^8 + 3^9 \\
23812 &:= -2^5 + 3^9 + 8^4 + 1^0 + 2^6 & 23963 &:= -2^8 - 3^6 + 9^4 - 6^4 + 3^9 & 24336 &:= -2^3 - 4^9 - 3^2 + 3^8 + 6^7 \\
23817 &:= -2^6 + 3^8 + 8^3 + 1^0 + 7^5 & 23964 &:= -2^5 + 3^9 + 9^0 + 6^3 + 4^6 & 24337 &:= -2^4 + 4^4 + 3^6 + 3^8 + 7^5 \\
23826 &:= -2^4 + 3^9 + 8^4 + 2^6 - 6^0 & 23968 &:= -2^4 - 3^7 - 9^4 - 6^2 + 8^5 & 24339 &:= -2^6 + 4^7 + 3^6 + 3^6 + 9^4 \\
23827 &:= -2^1 + 3^9 + 8^4 + 2^0 + 7^2 & 23970 &:= -2^7 + 3^6 + 9^4 + 7^5 + 0^0 & 24346 &:= -2^3 - 4^9 + 3^8 + 4^0 + 6^7 \\
23828 &:= -2^4 + 3^9 + 8^0 + 2^6 + 8^4 & 23982 &:= -2^7 - 3^7 + 9^5 - 8^5 + 2^4 & 24352 &:= -2^6 + 4^6 + 3^9 + 5^3 + 2^9 \\
23829 &:= -2^5 + 3^9 + 8^4 + 2^0 + 9^2 & 23983 &:= -2^6 + 3^3 - 9^4 + 8^5 - 3^7 & 24353 &:= -2^2 - 4^2 + 3^7 + 5^6 + 3^8 \\
23832 &:= -2^1 - 3^2 + 8^4 + 3^9 + 2^6 & 23984 &:= -2^5 - 3^7 - 9^4 + 8^5 - 4^1 & 24356 &:= -2^1 - 4^9 + 3^8 + 5^1 + 6^7 \\
23834 &:= -2^3 - 3^0 + 8^2 + 3^9 + 4^6 & 23985 &:= -2^6 + 3^9 + 9^3 + 8^3 + 5^5 & 24358 &:= -2^8 - 4^6 - 3^9 + 5^6 + 8^5 \\
23836 &:= -2^8 + 3^6 - 8^4 + 3^9 + 6^5 & 23986 &:= -2^3 + 3^9 - 9^0 + 8^4 + 6^3 & 24372 &:= -2^2 + 4^5 + 3^8 + 7^5 - 2^4 \\
23837 &:= -2^4 - 3^3 + 8^3 + 3^8 + 7^5 & 23987 &:= -2^5 - 3^7 - 9^4 + 8^5 - 7^0 & 24373 &:= -2^4 + 4^5 - 3^1 + 7^5 + 3^8 \\
23838 &:= -2^1 - 3^1 + 8^2 + 3^9 + 8^4 & 23988 &:= -2^3 + 3^9 + 9^3 + 8^4 - 8^3 & 24374 &:= -2^1 - 4^2 + 3^8 + 7^5 + 4^5 \\
23839 &:= -2^8 - 3^7 - 8^5 + 3^0 + 9^5 & 23989 &:= -2^5 - 3^7 + 9^0 + 8^5 - 9^4 & 24375 &:= -2^4 + 4^5 + 3^8 + 7^5 - 5^0 \\
23840 &:= -2^1 + 3^9 + 8^2 + 4^6 - 0^0 & 24032 &:= -2^1 + 4^6 - 0^0 + 3^9 + 2^8 & 24376 &:= -2^5 - 4^4 + 3^4 + 7^5 + 6^5
\end{aligned}$$

$24377 := -2^3 + 4^5 + 3^8 + 7^5 - 7^1$	$24662 := -2^2 + 4^7 - 6^1 + 6^5 + 2^9$	$24872 := -2^7 + 4^6 + 8^4 + 7^5 + 2^0$
$24378 := -2^8 + 4^6 + 3^9 + 7^3 + 8^3$	$24663 := -2^6 + 4^7 + 6^4 + 6^5 - 3^6$	$24887 := -2^5 - 4^6 - 8^4 + 8^5 + 7^3$
$24379 := -2^2 + 4^5 - 3^2 + 7^5 + 9^4$	$24665 := -2^4 - 4^2 + 6^4 + 6^5 + 5^6$	$24928 := -2^8 - 4^5 - 9^4 + 2^0 + 8^5$
$24395 := -2^8 - 4^6 + 3^8 + 9^4 + 5^6$	$24667 := -2^4 + 4^3 + 6^2 + 6^5 + 7^5$	$24932 := -2^5 - 4^5 + 9^4 + 3^9 - 2^8$
$24396 := -2^3 + 4^7 + 3^5 + 9^0 + 6^5$	$24668 := -2^5 - 4^4 - 6^2 - 6^5 + 8^5$	$24936 := -2^3 - 4^1 + 9^4 + 3^9 - 6^4$
$24397 := -2^2 + 4^5 + 3^2 + 9^4 + 7^5$	$24669 := -2^2 + 4^7 - 6^3 + 6^5 + 9^3$	$24938 := -2^1 - 4^5 - 9^4 - 3^5 + 8^5$
$24399 := -2^2 + 4^7 + 3^6 + 9^3 + 9^4$	$24675 := -2^5 - 4^0 + 6^5 + 7^5 + 5^3$	$24939 := -2^9 - 4^3 - 9^3 + 3^9 + 9^4$
$24444 := -2^7 - 4^1 + 4^6 + 4^6 + 4^7$	$24683 := -2^1 - 4^3 - 6^5 + 8^5 - 3^5$	$24952 := -2^9 + 4^7 - 9^4 + 5^6 + 2^4$
$24445 := -2^8 + 4^6 + 4^6 + 4^7 + 5^3$	$24684 := -2^2 + 4^2 + 6^5 + 8^3 + 4^7$	$24956 := -2^4 + 4^3 - 9^4 + 5^7 - 6^6$
$24447 := -2^7 + 4^6 + 4^6 + 4^7 - 7^0$	$24687 := -2^9 + 4^4 - 6^5 + 8^5 - 7^2$	$24957 := -2^9 - 4^5 + 9^4 + 5^5 + 7^5$
$24448 := -2^6 - 4^3 - 4^6 - 4^6 + 8^5$	$24688 := -2^8 + 4^2 - 6^5 + 8^5 - 8^2$	$24963 := -2^8 - 4^5 + 9^4 - 6^0 + 3^9$
$24449 := -2^7 + 4^6 + 4^6 + 4^7 + 9^0$	$24689 := -2^3 - 4^5 - 6^5 + 8^5 + 9^3$	$24968 := -2^4 - 4^0 + 9^5 - 6^4 - 8^5$
$24463 := -2^2 + 4^3 + 4^7 + 6^5 + 3^5$	$24693 := -2^8 + 4^0 - 6^4 + 9^4 + 3^9$	$24974 := -2^4 + 4^6 - 9^1 + 7^5 + 4^6$
$24464 := -2^4 + 4^3 + 4^4 + 6^5 + 4^7$	$24736 := -2^9 - 4^3 + 7^5 + 3^6 + 6^5$	$24976 := -2^7 - 4^6 + 9^5 + 7^5 - 6^6$
$24465 := -2^6 - 4^4 + 4^7 + 6^5 + 5^4$	$24737 := -2^2 + 4^4 + 7^4 + 3^9 + 7^4$	$24986 := -2^2 - 4^0 - 9^0 + 8^5 - 6^5$
$24467 := -2^5 - 4^1 + 4^7 + 6^5 + 7^3$	$24738 := -2^4 + 4^5 - 7^2 + 3^9 + 8^4$	$25086 := -2^5 + 5^3 + 0^0 + 8^5 - 6^5$
$24468 := -2^9 - 4^2 + 4^1 - 6^5 + 8^5$	$24739 := -2^7 + 4^5 - 7^4 + 3^9 + 9^4$	$25237 := -2^2 + 5^5 + 2^5 + 3^9 + 7^4$
$24483 := -2^6 - 4^4 + 4^5 + 8^4 + 3^9$	$24742 := -2^8 + 4^6 + 7^5 + 4^6 - 2^0$	$25273 := -2^6 + 5^5 + 2^7 + 7^4 + 3^9$
$24487 := -2^8 - 4^4 + 4^6 + 8^4 + 7^5$	$24744 := -2^8 + 4^0 + 7^5 + 4^6 + 4^6$	$25295 := -2^3 + 5^5 - 2^3 + 9^4 + 5^6$
$24489 := -2^9 - 4^4 - 4^5 - 8^5 + 9^5$	$24753 := -2^2 + 4^6 + 7^5 + 5^5 + 3^6$	$25324 := -2^7 + 5^6 - 3^8 + 2^2 + 4^7$
$24493 := -2^4 + 4^0 + 4^6 + 9^3 + 3^9$	$24756 := -2^4 + 4^3 + 7^5 + 5^3 + 6^5$	$25325 := -2^1 + 5^5 + 3^8 + 2^4 + 5^6$
$24532 := -2^7 + 4^6 + 5^4 + 3^9 + 2^8$	$24763 := -2^6 + 4^0 + 7^5 + 6^5 + 3^5$	$25328 := -2^8 - 5^4 - 3^8 + 2^1 + 8^5$
$24534 := -2^2 + 4^6 - 5^6 + 3^9 + 4^7$	$24766 := -2^5 - 4^0 + 7^5 + 6^3 + 6^5$	$25345 := -2^7 + 5^2 - 3^8 + 4^7 + 5^6$
$24538 := -2^3 + 4^6 + 5^6 + 3^6 + 8^4$	$24776 := -2^6 + 4^4 + 7^0 + 7^5 + 6^5$	$25347 := -2^2 + 5^1 + 3^8 + 4^7 + 7^4$
$24567 := -2^4 + 4^0 - 5^0 + 6^5 + 7^5$	$24786 := -2^8 + 4^0 + 7^2 + 8^5 - 6^5$	$25348 := -2^9 - 5^4 - 3^7 - 4^6 + 8^5$
$24576 := -2^1 - 4^1 - 5^0 + 7^5 + 6^5$	$24796 := -2^9 - 4^1 + 7^5 + 9^3 + 6^5$	$25363 := -2^8 - 5^4 - 3^6 + 6^6 - 3^9$
$24579 := -2^2 - 4^1 + 5^6 + 7^4 + 9^4$	$24824 := -2^3 + 4^6 + 8^4 + 2^8 + 4^7$	$25369 := -2^8 - 5^4 + 3^9 + 6^1 + 9^4$
$24593 := -2^1 - 4^5 - 5^4 + 9^4 + 3^9$	$24828 := -2^2 - 4^6 - 8^4 + 2^8 + 8^5$	$25384 := -2^6 + 5^6 - 3^8 + 8^5 - 4^7$
$24608 := -2^6 + 4^7 + 6^5 + 0^1 + 8^3$	$24836 := -2^7 - 4^0 + 8^5 - 3^3 - 6^5$	$25389 := -2^6 - 5^2 - 3^6 + 8^5 - 9^4$
$24624 := -2^5 - 4^2 + 6^5 + 2^9 + 4^7$	$24845 := -2^5 - 4^6 - 8^5 - 4^7 + 5^7$	$25418 := -2^7 - 5^5 - 4^6 - 1^0 + 8^5$
$24627 := -2^2 + 4^2 + 6^5 + 2^5 + 7^5$	$24860 := -2^7 - 4^1 + 8^5 - 6^5 + 0^1$	$25433 := -2^4 + 5^6 + 4^7 + 3^0 - 3^8$
$24632 := -2^8 + 4^7 + 6^5 + 3^6 - 2^0$	$24861 := -2^7 - 4^1 + 8^5 - 6^5 + 1^0$	$25435 := -2^3 - 5^1 + 4^7 - 3^8 + 5^6$
$24634 := -2^8 + 4^0 + 6^5 + 3^6 + 4^7$	$24862 := -2^1 - 4^3 + 8^5 - 6^5 - 2^6$	$25436 := -2^2 - 5^0 + 4^8 + 3^8 - 6^6$
$24643 := -2^4 + 4^4 + 6^5 + 4^7 + 3^5$	$24863 := -2^1 - 4^9 + 8^3 + 6^7 + 3^8$	$25437 := -2^5 + 5^5 - 4^5 + 3^8 + 7^5$
$24645 := -2^8 + 4^6 + 6^4 + 4^7 + 5^5$	$24864 := -2^6 - 4^3 - 8^5 - 6^5 + 4^8$	$25438 := -2^7 - 5^4 - 4^2 - 3^8 + 8^5$
$24647 := -2^1 + 4^7 - 6^5 + 4^7 - 7^3$	$24865 := -2^6 - 4^3 + 8^5 - 6^5 + 5^0$	$25443 := -2^2 + 5^6 - 4^0 + 4^7 - 3^8$
$24648 := -2^3 - 4^2 + 6^5 + 4^7 + 8^3$	$24866 := -2^7 + 4^0 + 8^5 + 6^0 - 6^5$	$25458 := -2^6 - 5^2 - 4^6 - 5^5 + 8^5$
$24649 := -2^5 - 4^6 - 6^6 + 4^7 + 9^5$	$24867 := -2^7 - 4^1 + 8^5 - 6^5 + 7^1$	$25475 := -2^9 - 5^2 + 4^8 - 7^6 + 5^7$
$24653 := -2^8 + 4^0 - 6^6 + 5^7 - 3^8$	$24868 := -2^7 - 4^1 + 8^1 - 6^5 + 8^5$	$25476 := -2^6 + 5^3 + 4^7 + 7^5 - 6^5$
$24656 := -2^7 + 4^7 - 6^0 + 5^4 + 6^5$	$24869 := -2^2 - 4^7 + 8^6 - 6^7 + 9^5$	$25477 := -2^6 - 5^7 - 4^7 + 7^4 + 7^6$
$24658 := -2^7 + 4^7 + 6^5 + 5^4 + 8^0$	$24870 := -2^7 + 4^6 + 8^4 + 7^5 - 0^0$	$25482 := -2^6 - 5^5 - 4^6 + 8^5 - 2^0$

$25484 := -2^6 - 5^5 + 4^0 + 8^5 - 4^6$	$25942 := -2^6 + 5^5 + 9^4 + 4^7 - 2^6$	$26392 := -2^2 + 6^3 + 3^9 + 9^4 - 2^6$
$25494 := -2^9 + 5^5 - 4^3 + 9^4 + 4^7$	$25943 := -2^7 + 5^5 + 9^0 + 4^7 + 3^8$	$26393 := -2^6 + 6^3 - 3^1 + 9^4 + 3^9$
$25548 := -2^2 - 5^5 + 5^1 - 4^6 + 8^5$	$25945 := -2^7 + 5^4 - 9^4 + 4^7 + 5^6$	$26394 := -2^1 + 6^3 + 3^9 + 9^4 - 4^3$
$25583 := -2^1 - 5^5 + 5^6 + 8^5 - 3^9$	$25947 := -2^6 + 5^7 - 9^0 + 4^8 - 7^6$	$26395 := -2^6 + 6^3 + 3^9 + 9^4 - 5^0$
$25586 := -2^5 + 5^0 + 5^4 + 8^5 - 6^5$	$25948 := -2^1 - 5^0 - 9^4 - 4^4 + 8^5$	$26397 := -2^6 + 6^3 + 3^9 + 9^4 + 7^0$
$25633 := -2^2 + 5^7 - 6^6 + 3^6 - 3^8$	$25963 := -2^6 - 5^0 + 9^4 - 6^3 + 3^9$	$26398 := -2^4 - 6^2 + 3^5 - 9^4 + 8^5$
$25636 := -2^4 - 5^2 - 6^4 - 3^9 + 6^6$	$25982 := -2^8 - 5^0 - 9^4 + 8^5 + 2^5$	$26403 := -2^5 + 6^5 - 4^5 + 0^1 + 3^9$
$25639 := -2^2 + 5^7 + 6^1 + 3^8 - 9^5$	$25983 := -2^7 - 5^3 + 9^4 - 8^1 + 3^9$	$26423 := -2^4 + 6^5 - 4^5 + 2^2 + 3^9$
$25653 := -2^3 + 5^6 - 6^5 + 5^6 + 3^7$	$25984 := -2^4 - 5^2 + 9^5 - 8^5 - 4^4$	$26424 := -2^3 + 6^6 - 4^6 + 2^8 - 4^7$
$25672 := -2^1 + 5^6 + 6^5 + 7^4 - 2^7$	$25986 := -2^2 - 5^0 - 9^4 + 8^5 - 6^3$	$26425 := -2^9 + 6^6 - 4^6 + 2^1 - 5^6$
$25673 := -2^7 + 5^6 + 6^5 + 7^4 - 3^0$	$25987 := -2^1 + 5^3 - 9^4 + 8^5 - 7^3$	$26428 := -2^2 + 6^6 - 4^7 + 2^8 - 8^4$
$25674 := -2^6 + 5^6 + 6^5 + 7^4 - 4^3$	$26036 := -2^7 - 6^4 + 0^0 + 3^9 + 6^5$	$26430 := -2^2 + 6^5 - 4^5 + 3^9 - 0^0$
$25675 := -2^1 - 5^3 + 6^5 + 7^4 + 5^6$	$26138 := -2^5 - 6^2 - 1^0 - 3^8 + 8^5$	$26432 := -2^1 + 6^5 - 4^5 + 3^9 - 2^0$
$25689 := -2^9 - 5^1 - 6^0 + 8^5 - 9^4$	$26189 := -2^4 - 6^0 - 1^0 + 8^5 - 9^4$	$26434 := -2^1 + 6^5 + 4^0 + 3^9 - 4^5$
$25694 := -2^9 - 5^6 + 6^6 - 9^3 - 4^6$	$26193 := -2^4 - 6^2 + 1^0 + 9^4 + 3^9$	$26443 := -2^3 + 6^5 - 4^5 + 4^2 + 3^9$
$25743 := -2^9 + 5^7 - 7^6 + 4^8 + 3^5$	$26198 := -2^1 - 6^1 - 1^0 - 9^4 + 8^5$	$26449 := -2^4 - 6^6 + 4^5 + 4^8 + 9^4$
$25746 := -2^1 - 5^1 - 7^5 - 4^6 + 6^6$	$26233 := -2^1 - 6^0 - 2^3 + 3^8 + 3^9$	$26463 := -2^3 + 6^2 - 4^5 + 6^5 + 3^9$
$25748 := -2^8 + 5^7 - 7^6 + 4^8 - 8^1$	$26238 := -2^5 - 6^0 + 2^6 - 3^8 + 8^5$	$26464 := -2^4 + 6^4 + 4^5 + 6^5 + 4^7$
$25749 := -2^8 - 5^4 + 7^5 + 4^7 - 9^4$	$26239 := -2^1 - 6^0 - 2^1 + 3^9 + 9^4$	$26483 := -2^2 + 6^3 + 4^3 + 8^5 - 3^8$
$25762 := -2^3 + 5^6 + 7^4 + 6^5 - 2^5$	$26268 := -2^2 - 6^5 - 2^4 + 6^4 + 8^5$	$26489 := -2^3 + 6^3 - 4^8 + 8^5 + 9^5$
$25765 := -2^5 - 5^1 + 7^4 + 6^5 + 5^6$	$26283 := -2^4 - 6^2 + 2^7 + 8^5 - 3^8$	$26493 := -2^3 + 6^0 + 4^4 + 9^4 + 3^9$
$25769 := -2^5 + 5^6 + 7^4 + 6^5 - 9^0$	$26286 := -2^2 + 6^4 + 2^1 + 8^5 - 6^5$	$26525 := -2^1 + 6^5 + 5^5 + 2^0 + 5^6$
$25784 := -2^9 + 5^2 - 7^4 + 8^5 - 4^6$	$26289 := -2^1 - 6^1 + 2^4 - 8^5 + 9^5$	$26538 := -2^4 - 6^5 - 5^4 + 3^7 + 8^5$
$25833 := -2^3 - 5^3 + 8^4 + 3^7 + 3^9$	$26293 := -2^4 + 6^0 + 2^6 + 9^4 + 3^9$	$26558 := -2^5 + 6^5 + 5^5 + 5^6 + 8^2$
$25834 := -2^2 - 5^4 + 8^5 - 3^8 + 4^4$	$26298 := -2^4 + 6^0 + 2^5 + 9^5 - 8^5$	$26579 := -2^1 - 6^2 - 5^6 - 7^5 + 9^5$
$25837 := -2^1 - 5^2 + 8^5 - 3^8 - 7^3$	$26328 := -2^3 + 6^0 - 3^8 + 2^7 + 8^5$	$26593 := -2^8 + 6^6 - 5^3 + 9^0 - 3^9$
$25838 := -2^8 - 5^4 + 8^3 - 3^8 + 8^5$	$26331 := -2^7 + 6^3 + 3^8 + 3^9 - 1^0$	$26597 := -2^7 + 6^6 - 5^5 + 9^0 - 7^5$
$25853 := -2^4 + 5^5 - 8^2 + 5^5 + 3^9$	$26332 := -2^2 - 6^2 + 3^8 + 3^9 + 2^7$	$26624 := -2^4 - 6^6 + 6^5 - 2^4 + 4^8$
$25856 := -2^1 + 5^6 - 8^4 + 5^6 - 6^4$	$26333 := -2^7 + 6^3 + 3^0 + 3^8 + 3^9$	$26630 := -2^7 - 6^3 + 6^6 - 3^9 + 0^0$
$25867 := -2^9 - 5^9 + 8^7 + 6^0 - 7^6$	$26334 := -2^2 + 6^5 - 3^2 + 3^7 + 4^7$	$26640 := -2^4 + 6^5 - 6^6 + 4^8 + 0^1$
$25874 := -2^4 - 5^5 + 8^5 + 7^3 - 4^6$	$26335 := -2^4 + 6^6 - 3^9 + 3^1 - 5^4$	$26641 := -2^4 + 6^5 - 6^6 + 4^8 + 1^0$
$25892 := -2^1 + 5^3 - 8^5 + 9^5 - 2^9$	$26337 := -2^8 + 6^1 + 3^8 + 3^9 + 7^3$	$26642 := -2^4 + 6^5 - 6^6 + 4^8 + 2^1$
$25893 := -2^9 + 5^3 - 8^5 + 9^5 - 3^0$	$26340 := -2^3 + 6^5 + 3^7 + 4^7 + 0^0$	$26643 := -2^2 + 6^5 - 6^6 + 4^8 - 3^2$
$25894 := -2^5 - 5^2 + 8^5 - 9^4 - 4^4$	$26342 := -2^2 + 6^5 + 3^7 + 4^7 - 2^0$	$26644 := -2^3 + 6^5 - 6^6 + 4^8 - 4^1$
$25895 := -2^8 - 5^1 - 8^5 + 9^5 - 5^3$	$26344 := -2^1 + 6^5 + 3^7 + 4^7 - 4^0$	$26645 := -2^4 + 6^5 - 6^6 + 4^8 + 5^1$
$25897 := -2^4 - 5^2 - 8^5 + 9^5 - 7^3$	$26345 := -2^2 + 6^6 - 3^9 + 4^0 - 5^4$	$26646 := -2^2 - 6^1 + 6^5 + 4^8 - 6^6$
$25899 := -2^8 - 5^3 - 8^5 - 9^0 + 9^5$	$26346 := -2^1 + 6^0 + 3^7 + 4^7 + 6^5$	$26647 := -2^1 + 6^5 - 6^6 + 4^8 - 7^1$
$25923 := -2^6 - 5^0 + 9^4 - 2^8 + 3^9$	$26353 := -2^4 + 6^6 - 3^6 + 5^3 - 3^9$	$26648 := -2^4 + 6^5 - 6^6 + 4^8 + 8^1$
$25927 := -2^3 + 5^6 - 9^4 + 2^6 + 7^5$	$26358 := -2^7 + 6^6 - 3^9 + 5^2 - 8^3$	$26649 := -2^3 + 6^5 - 6^6 + 4^8 + 9^0$
$25928 := -2^8 - 5^2 - 9^4 + 2^1 + 8^5$	$26359 := -2^2 - 6^1 + 3^9 + 5^3 + 9^4$	$26732 := -2^7 + 6^5 - 7^3 + 3^9 - 2^8$
$25941 := -2^7 + 5^5 + 9^4 + 4^7 - 1^0$	$26376 := -2^9 - 6^2 - 3^9 - 7^2 + 6^6$	$26733 := -2^2 + 6^5 + 7^1 + 3^9 - 3^6$

$$\begin{aligned}
26734 &:= -2^5 + 6^5 + 7^5 + 3^7 - 4^1 \\
26735 &:= -2^4 + 6^6 - 7^5 + 3^3 - 5^5 \\
26737 &:= -2^5 + 6^5 - 7^0 + 3^7 + 7^5 \\
26738 &:= -2^4 + 6^7 + 7^4 + 3^8 - 8^6 \\
26739 &:= -2^5 + 6^5 + 7^5 + 3^7 + 9^0 \\
26753 &:= -2^1 + 6^6 - 7^3 + 5^3 - 3^9 \\
26763 &:= -2^3 + 6^0 + 7^5 + 6^5 + 3^7 \\
26773 &:= -2^2 + 6^5 + 7^1 + 7^5 + 3^7 \\
26777 &:= -2^8 + 6^5 + 7^2 + 7^4 + 7^5 \\
26778 &:= -2^5 - 6^2 - 7^6 - 7^6 + 8^6 \\
26797 &:= -2^1 - 6^6 - 7^4 + 9^5 + 7^5 \\
26823 &:= -2^7 + 6^5 - 8^3 + 2^2 + 3^9 \\
26836 &:= -2^7 - 6^0 - 8^1 - 3^9 + 6^6 \\
26843 &:= -2^4 + 6^5 + 8^3 + 4^7 + 3^7 \\
26845 &:= -2^1 - 6^8 + 8^7 - 4^3 - 5^8 \\
26848 &:= -2^4 - 6^4 - 8^3 - 4^6 + 8^5 \\
26865 &:= -2^6 - 6^1 - 8^4 + 6^6 - 5^6 \\
26883 &:= -2^7 + 6^5 - 8^3 + 8^2 + 3^9 \\
26932 &:= -2^4 + 6^5 + 9^0 + 3^9 - 2^9 \\
26933 &:= -2^2 - 6^2 + 9^3 + 3^8 + 3^9 \\
26934 &:= -2^9 + 6^5 - 9^1 + 3^9 - 4^1 \\
26936 &:= -2^1 - 6^2 + 9^0 - 3^9 + 6^6 \\
26937 &:= -2^9 + 6^5 - 9^1 + 3^9 - 7^0 \\
26938 &:= -2^2 + 6^1 - 9^4 + 3^6 + 8^5 \\
26939 &:= -2^9 + 6^5 + 9^0 + 3^9 - 9^1 \\
26943 &:= -2^5 + 6^6 + 9^0 + 4^0 - 3^9 \\
26953 &:= -2^4 + 6^6 - 9^1 + 5^1 - 3^9 \\
26963 &:= -2^1 + 6^0 - 9^1 + 6^6 - 3^9 \\
26973 &:= -2^1 + 6^6 + 9^0 + 7^0 - 3^9 \\
26975 &:= -2^2 + 6^5 - 9^3 + 7^5 + 5^5 \\
26977 &:= -2^3 + 6^5 + 9^0 + 7^4 + 7^5 \\
26993 &:= -2^4 + 6^2 + 9^3 + 9^4 + 3^9 \\
27236 &:= -2^3 - 7^3 + 2^7 + 3^9 + 6^5 \\
27258 &:= -2^4 - 7^4 + 2^5 - 5^5 + 8^5 \\
27326 &:= -2^2 - 7^0 + 3^9 - 2^7 + 6^5 \\
27343 &:= -2^4 + 7^5 + 3^6 + 4^7 - 3^8 \\
27346 &:= -2^7 - 7^0 + 3^9 + 4^2 + 6^5 \\
27362 &:= -2^4 - 7^2 + 3^9 + 6^5 - 2^5 \\
27363 &:= -2^3 - 7^1 - 3^4 + 6^5 + 3^9 \\
27364 &:= -2^3 - 7^3 + 3^9 + 6^5 + 4^4 \\
27366 &:= -2^3 - 7^2 + 3^9 - 6^2 + 6^5 \\
27368 &:= -2^4 - 7^5 - 3^8 + 6^6 + 8^4 \\
27369 &:= -2^1 - 7^1 + 3^9 + 6^5 - 9^2 \\
27384 &:= -2^4 + 7^5 + 3^8 + 8^4 - 4^3 \\
27385 &:= -2^2 + 7^5 - 3^8 + 8^5 - 5^6 \\
27386 &:= -2^1 - 7^1 + 3^9 - 8^2 + 6^5 \\
27431 &:= -2^5 + 7^5 + 4^6 + 3^8 - 1^0 \\
27432 &:= -2^4 + 7^5 + 4^6 + 3^8 - 2^4 \\
27433 &:= -2^2 + 7^5 + 4^6 + 3^8 - 3^3 \\
27435 &:= -2^2 + 7^5 + 4^6 + 3^8 - 5^2 \\
27436 &:= -2^3 + 7^0 - 4^2 + 3^9 + 6^5 \\
27439 &:= -2^4 + 7^5 + 4^6 + 3^8 - 9^1 \\
27449 &:= -2^4 + 7^5 + 4^0 + 4^6 + 9^4 \\
27453 &:= -2^4 + 7^5 + 4^6 + 5^1 + 3^8 \\
27455 &:= -2^8 + 7^5 - 4^6 + 5^6 - 5^4 \\
27456 &:= -2^8 + 7^5 + 4^1 + 5^5 + 6^5 \\
27458 &:= -2^5 - 7^5 - 4^6 + 5^6 + 8^5 \\
27463 &:= -2^1 + 7^1 - 4^0 + 6^5 + 3^9 \\
27492 &:= -2^2 + 7^5 + 4^6 + 9^4 + 2^5 \\
27493 &:= -2^7 + 7^4 - 4^5 + 9^4 + 3^9 \\
27496 &:= -2^2 + 7^5 + 4^6 + 9^4 + 6^2 \\
27497 &:= -2^4 + 7^2 + 4^6 + 9^4 + 7^5 \\
27563 &:= -2^6 + 7^5 + 5^5 + 6^5 - 3^4 \\
27564 &:= -2^6 + 7^3 + 5^5 + 6^5 + 4^7 \\
27568 &:= -2^1 + 7^5 - 5^5 + 6^6 - 8^5 \\
27569 &:= -2^2 - 7^1 - 5^7 + 6^6 + 9^5 \\
27584 &:= -2^9 + 7^2 - 5^4 + 8^5 - 4^6 \\
27614 &:= -2^8 - 7^4 + 6^6 - 1^0 - 4^7 \\
27630 &:= -2^5 - 7^5 + 6^6 - 3^7 + 0^1 \\
27631 &:= -2^5 - 7^5 + 6^6 - 3^7 + 1^0 \\
27632 &:= -2^2 + 7^2 + 6^5 + 3^9 + 2^7 \\
27633 &:= -2^1 - 7^5 + 6^6 - 3^3 - 3^7 \\
27634 &:= -2^5 - 7^2 + 6^5 + 3^9 + 4^4 \\
27635 &:= -2^1 - 7^5 + 6^6 - 3^7 - 5^2 \\
27636 &:= -2^5 - 7^1 + 6^3 + 3^9 + 6^5 \\
27637 &:= -2^5 - 7^5 + 6^6 - 3^7 + 7^1 \\
27638 &:= -2^4 - 7^5 + 6^6 - 3^7 - 8^1 \\
27639 &:= -2^5 - 7^5 + 6^6 - 3^7 + 9^1 \\
27645 &:= -2^6 + 7^5 + 6^5 + 4^0 + 5^5 \\
27652 &:= -2^6 + 7^5 + 6^5 + 5^5 + 2^3 \\
27653 &:= -2^2 - 7^5 + 6^6 - 5^1 - 3^7 \\
27656 &:= -2^4 + 7^5 - 6^2 + 5^5 + 6^5 \\
27657 &:= -2^1 - 7^2 + 6^5 + 5^5 + 7^5 \\
27658 &:= -2^4 - 7^6 + 6^4 - 5^9 + 8^7 \\
27659 &:= -2^4 - 7^3 - 6^6 + 5^6 + 9^5 \\
27672 &:= -2^5 - 7^4 + 6^6 - 7^5 + 2^8 \\
27673 &:= -2^7 - 7^0 + 6^5 + 7^3 + 3^9 \\
27675 &:= -2^5 - 7^0 + 6^5 + 7^5 + 5^5 \\
27693 &:= -2^1 - 7^1 + 6^6 + 9^3 - 3^9 \\
27696 &:= -2^7 - 7^5 - 6^4 - 9^3 + 6^6 \\
27697 &:= -2^4 + 7^4 + 6^5 + 9^3 + 7^5 \\
27743 &:= -2^2 + 7^4 + 7^4 + 4^7 + 3^8 \\
27763 &:= -2^5 - 7^1 + 7^3 + 6^5 + 3^9 \\
27767 &:= -2^6 - 7^5 - 7^6 + 6^7 - 7^6 \\
27818 &:= -2^9 - 7^3 - 8^4 + 1^0 + 8^5 \\
27825 &:= -2^9 + 7^5 - 8^4 + 2^0 + 5^6 \\
27833 &:= -2^9 - 7^2 + 8^5 - 3^7 - 3^7 \\
27836 &:= -2^5 - 7^5 + 8^5 + 3^9 - 6^5 \\
27837 &:= -2^7 - 7^4 + 8^5 - 3^0 - 7^4 \\
27838 &:= -2^6 - 7^4 + 8^4 - 3^8 + 8^5 \\
27864 &:= -2^3 - 7^4 + 8^0 + 6^6 - 4^7 \\
27894 &:= -2^3 - 7^4 + 8^5 - 9^4 + 4^6 \\
27898 &:= -2^2 - 7^4 + 8^4 - 9^4 + 8^5 \\
27946 &:= -2^2 + 7^5 - 9^3 + 4^6 + 6^5 \\
27965 &:= -2^2 - 7^2 + 9^5 - 6^6 + 5^6 \\
27984 &:= -2^3 + 7^2 - 9^3 + 8^5 - 4^6 \\
27988 &:= -2^2 + 7^2 - 9^3 + 8^5 - 8^4 \\
28139 &:= -2^8 + 8^5 + 1^0 + 3^7 - 9^4 \\
28158 &:= -2^9 - 8^4 - 1^0 - 5^0 + 8^5 \\
28224 &:= -2^6 + 8^5 - 2^9 + 2^7 - 4^6 \\
28228 &:= -2^9 - 8^4 + 2^2 + 2^6 + 8^5 \\
28246 &:= -2^1 + 8^4 - 2^3 + 4^7 + 6^5 \\
28264 &:= -2^3 + 8^4 + 2^4 + 6^5 + 4^7 \\
28284 &:= -2^2 - 8^3 + 2^7 + 8^5 - 4^6 \\
28285 &:= -2^8 - 8^4 - 2^8 + 8^5 + 5^3 \\
28287 &:= -2^7 - 8^4 - 2^8 + 8^5 - 7^0 \\
28288 &:= -2^6 - 8^2 - 2^8 - 8^4 + 8^5 \\
28289 &:= -2^7 - 8^4 - 2^8 + 8^5 + 9^0 \\
28330 &:= -2^6 + 8^5 - 3^8 + 3^7 + 0^1 \\
28331 &:= -2^6 + 8^5 - 3^8 + 3^7 + 1^0 \\
28332 &:= -2^6 + 8^5 - 3^8 + 3^7 + 2^1 \\
28333 &:= -2^6 + 8^5 + 3^1 + 3^7 - 3^8 \\
28334 &:= -2^6 + 8^5 - 3^8 + 3^7 + 4^1
\end{aligned}$$

$$\begin{aligned}
28335 &:= -2^6 + 8^5 - 3^8 + 3^7 + 5^1 & 28480 &:= -2^7 - 8^2 - 4^6 + 8^5 + 0^1 & 28648 &:= -2^1 - 8^4 - 6^1 - 4^2 + 8^5 \\
28336 &:= -2^6 + 8^5 - 3^8 + 3^7 + 6^1 & 28481 &:= -2^7 - 8^2 - 4^6 + 8^5 + 1^0 & 28649 &:= -2^6 - 8^2 - 6^6 + 4^7 + 9^5 \\
28337 &:= -2^3 + 8^5 - 3^8 + 3^7 - 7^2 & 28482 &:= -2^7 - 8^2 - 4^6 + 8^5 + 2^1 & 28658 &:= -2^3 - 8^4 - 6^0 - 5^1 + 8^5 \\
28338 &:= -2^6 + 8^1 - 3^8 + 3^7 + 8^5 & 28483 &:= -2^7 - 8^2 - 4^6 + 8^5 + 3^1 & 28664 &:= -2^3 + 8^5 - 6^0 + 6^0 - 4^6 \\
28339 &:= -2^6 + 8^5 + 3^2 + 3^7 - 9^4 & 28484 &:= -2^7 - 8^2 + 4^1 + 8^5 - 4^6 & 28665 &:= -2^2 - 8^4 + 6^4 - 6^6 + 5^7 \\
28356 &:= -2^2 + 8^5 + 3^5 + 5^5 - 6^5 & 28485 &:= -2^7 - 8^2 - 4^6 + 8^5 + 5^1 & 28668 &:= -2^1 - 8^4 - 6^0 - 6^0 + 8^5 \\
28357 &:= -2^8 + 8^5 - 3^8 + 5^1 + 7^4 & 28486 &:= -2^7 - 8^2 - 4^6 + 8^5 + 6^1 & 28670 &:= -2^3 + 8^4 + 6^5 + 7^5 - 0^0 \\
28363 &:= -2^5 + 8^5 - 3^7 + 6^0 - 3^7 & 28487 &:= -2^4 - 8^3 - 4^6 + 8^5 + 7^3 & 28672 &:= -2^3 + 8^4 + 6^5 + 7^5 + 2^0 \\
28374 &:= -2^9 + 8^5 - 3^7 + 7^4 - 4^6 & 28488 &:= -2^7 + 8^1 - 4^3 + 8^5 - 8^4 & 28674 &:= -2^2 - 8^0 + 6^5 + 7^5 + 4^6 \\
28375 &:= -2^8 - 8^5 + 3^4 - 7^5 + 5^7 & 28489 &:= -2^3 - 8^4 - 4^4 + 8^5 + 9^2 & 28676 &:= -2^1 + 8^4 - 6^0 + 7^5 + 6^5 \\
28376 &:= -2^4 + 8^5 - 3^8 + 7^4 - 6^3 & 28496 &:= -2^8 + 8^5 - 4^6 + 9^2 - 6^0 & 28678 &:= -2^1 + 8^0 + 6^5 + 7^5 + 8^4 \\
28378 &:= -2^1 - 8^4 - 3^5 - 7^2 + 8^5 & 28498 &:= -2^8 + 8^0 - 4^6 + 9^2 + 8^5 & 28679 &:= -2^1 - 8^5 - 6^0 + 7^4 + 9^5 \\
28379 &:= -2^4 + 8^5 + 3^7 + 7^0 - 9^4 & 28517 &:= -2^5 - 8^5 + 5^7 - 1^0 - 7^5 & 28682 &:= -2^2 - 8^4 + 6^1 + 8^5 + 2^3 \\
28388 &:= -2^8 - 8^0 - 3^3 - 8^4 + 8^5 & 28518 &:= -2^7 - 8^4 - 5^2 - 1^0 + 8^5 & 28683 &:= -2^2 - 8^4 + 6^1 + 8^5 + 3^2 \\
28389 &:= -2^2 - 8^0 + 3^7 + 8^5 - 9^4 & 28534 &:= -2^4 + 8^5 - 5^3 + 3^1 - 4^6 & 28684 &:= -2^1 + 8^1 + 6^1 + 8^5 - 4^6 \\
28393 &:= -2^1 + 8^5 - 3^7 + 9^0 - 3^7 & 28535 &:= -2^4 - 8^3 + 5^6 - 3^7 + 5^6 & 28686 &:= -2^4 - 8^4 - 6^1 + 8^5 + 6^2 \\
28397 &:= -2^6 - 8^5 + 3^7 + 9^5 - 7^1 & 28537 &:= -2^2 - 8^5 + 5^7 - 3^2 - 7^5 & 28714 &:= -2^3 + 8^5 + 7^2 + 1^0 - 4^6 \\
28398 &:= -2^5 - 8^4 - 3^5 + 9^0 + 8^5 & 28538 &:= -2^3 - 8^4 - 5^3 - 3^0 + 8^5 & 28718 &:= -2^1 - 8^4 + 7^2 - 1^0 + 8^5 \\
28399 &:= -2^2 + 8^5 + 3^7 + 9^1 - 9^4 & 28544 &:= -2^2 + 8^5 - 5^3 + 4^0 - 4^6 & 28733 &:= -2^2 + 8^5 + 7^3 + 3^7 - 3^8 \\
28403 &:= -2^9 + 8^5 - 4^6 + 0^1 + 3^5 & 28547 &:= -2^1 - 8^5 + 5^7 - 4^0 - 7^5 & 28738 &:= -2^3 - 8^4 - 7^1 + 3^4 + 8^5 \\
28408 &:= -2^3 - 8^4 - 4^4 + 0^1 + 8^5 & 28548 &:= -2^7 - 8^0 + 5^1 - 4^6 + 8^5 & 28758 &:= -2^5 - 8^4 - 7^1 + 5^3 + 8^5 \\
28416 &:= -2^8 + 8^5 - 4^6 + 1^0 - 6^0 & 28553 &:= -2^5 + 8^5 - 5^3 + 5^6 - 3^9 & 28773 &:= -2^4 - 8^4 + 7^5 + 7^5 - 3^6 \\
28418 &:= -2^8 + 8^0 - 4^6 + 1^0 + 8^5 & 28554 &:= -2^7 + 8^5 + 5^1 + 5^1 - 4^6 & 28775 &:= -2^2 + 8^7 - 7^6 + 7^4 - 5^9 \\
28420 &:= -2^8 + 8^5 - 4^6 + 2^2 + 0^1 & 28558 &:= -2^6 - 8^4 - 5^2 - 5^2 + 8^5 & 28776 &:= -2^9 - 8^3 - 7^2 - 7^5 + 6^6 \\
28421 &:= -2^8 + 8^5 - 4^6 + 2^2 + 1^0 & 28567 &:= -2^6 + 8^0 - 5^6 + 6^6 - 7^4 & 28794 &:= -2^3 + 8^5 + 7^2 + 9^2 - 4^6 \\
28422 &:= -2^1 + 8^5 - 4^6 + 2^3 - 2^8 & 28568 &:= -2^7 - 8^4 + 5^2 - 6^0 + 8^5 & 28795 &:= -2^9 - 8^5 + 7^4 + 9^5 + 5^4 \\
28423 &:= -2^3 + 8^5 - 4^6 + 2^1 - 3^5 & 28573 &:= -2^2 - 8^5 + 5^7 - 7^5 + 3^3 & 28798 &:= -2^2 - 8^4 + 7^2 + 9^2 + 8^5 \\
28424 &:= -2^3 + 8^5 - 4^4 + 2^4 - 4^6 & 28576 &:= -2^7 + 8^4 + 5^2 + 7^5 + 6^5 & 28823 &:= -2^2 - 8^4 + 8^5 + 2^7 + 3^3 \\
28425 &:= -2^8 + 8^5 - 4^6 + 2^2 + 5^1 & 28579 &:= -2^2 + 8^5 - 5^2 + 7^4 - 9^4 & 28825 &:= -2^2 - 8^4 + 8^5 + 2^5 + 5^3 \\
28426 &:= -2^5 + 8^5 - 4^6 + 2^1 - 6^3 & 28582 &:= -2^6 - 8^4 - 5^2 + 8^5 - 2^0 & 28826 &:= -2^6 - 8^4 + 8^5 + 2^1 + 6^3 \\
28427 &:= -2^8 + 8^5 - 4^6 + 2^2 + 7^1 & 28583 &:= -2^7 + 8^0 + 5^6 + 8^5 - 3^9 & 28843 &:= -2^2 - 8^4 + 8^5 + 4^4 - 3^4 \\
28428 &:= -2^2 - 8^4 + 4^2 - 2^8 + 8^5 & 28584 &:= -2^6 + 8^0 - 5^2 + 8^5 - 4^6 & 28845 &:= -2^4 - 8^4 + 8^5 + 4^3 + 5^3 \\
28429 &:= -2^8 + 8^5 - 4^6 + 2^2 + 9^1 & 28598 &:= -2^6 - 8^4 - 5^0 - 9^1 + 8^5 & 28847 &:= -2^5 - 8^4 + 8^5 + 4^4 - 7^2 \\
28443 &:= -2^1 + 8^5 - 4^5 + 4^7 - 3^9 & 28604 &:= -2^5 + 8^5 - 6^2 + 0^1 - 4^6 & 28848 &:= -2^4 - 8^2 - 8^4 + 4^4 + 8^5 \\
28445 &:= -2^4 - 8^3 + 4^7 - 4^8 + 5^7 & 28608 &:= -2^6 - 8^4 - 6^0 + 0^0 + 8^5 & 28863 &:= -2^4 - 8^4 + 8^5 - 6^2 + 3^5 \\
28448 &:= -2^5 - 8^4 + 4^3 - 4^4 + 8^5 & 28624 &:= -2^4 + 8^5 - 6^2 + 2^2 - 4^6 & 28864 &:= -2^3 - 8^4 + 8^5 + 6^3 - 4^2 \\
28453 &:= -2^8 + 8^5 - 4^0 + 5^6 - 3^9 & 28625 &:= -2^2 + 8^5 - 6^5 + 2^9 + 5^5 & 28866 &:= -2^4 - 8^4 + 8^5 - 6^1 + 6^3 \\
28463 &:= -2^1 + 8^5 - 4^6 + 6^2 - 3^5 & 28628 &:= -2^2 - 8^4 - 6^2 - 2^2 + 8^5 & 28887 &:= -2^6 - 8^2 - 8^4 + 8^5 + 7^3 \\
28468 &:= -2^2 - 8^4 + 4^2 - 6^3 + 8^5 & 28634 &:= -2^6 + 8^5 - 6^0 + 3^3 - 4^6 & 28890 &:= -2^9 - 8^4 + 8^5 + 9^3 + 0^0 \\
28469 &:= -2^7 + 8^5 - 4^6 + 6^1 - 9^2 & 28638 &:= -2^3 - 8^4 + 6^0 - 3^3 + 8^5 & 28895 &:= -2^9 + 8^0 - 8^5 + 9^5 + 5^5 \\
28479 &:= -2^7 + 8^5 - 4^0 + 7^4 - 9^4 & 28644 &:= -2^3 + 8^5 - 6^2 + 4^2 - 4^6 & 28957 &:= -2^5 + 8^5 - 9^4 + 5^5 - 7^3
\end{aligned}$$

$$\begin{aligned}
28958 &:= -2^9 + 8^2 + 9^5 + 5^5 - 8^5 & 29564 &:= -2^1 - 9^2 - 5^4 + 6^6 - 4^7 & 29832 &:= -2^2 - 9^3 + 8^5 - 3^7 - 2^4 \\
28973 &:= -2^8 - 8^6 - 9^6 + 7^7 - 3^6 & 29567 &:= -2^8 - 9^0 - 5^2 + 6^6 - 7^5 & 29833 &:= -2^4 - 9^3 + 8^5 - 3^1 - 3^7 \\
28974 &:= -2^5 + 8^5 - 9^1 + 7^3 - 4^6 & 29569 &:= -2^2 - 9^3 - 5^6 + 6^6 - 9^3 & 29834 &:= -2^1 - 9^3 + 8^5 - 3^7 - 4^2 \\
28994 &:= -2^9 + 8^5 + 9^4 + 9^4 - 4^7 & 29580 &:= -2^6 + 9^0 - 5^5 + 8^5 + 0^1 & 29835 &:= -2^4 - 9^3 + 8^5 - 3^7 - 5^0 \\
29234 &:= -2^4 + 9^4 - 2^8 + 3^8 + 4^7 & 29581 &:= -2^6 + 9^0 - 5^5 + 8^5 + 1^0 & 29837 &:= -2^3 - 9^3 + 8^5 - 3^7 - 7^1 \\
29249 &:= -2^8 + 9^4 - 2^0 + 4^7 + 9^4 & 29582 &:= -2^6 + 9^0 - 5^5 + 8^5 + 2^1 & 29839 &:= -2^2 - 9^1 + 8^5 - 3^7 - 9^3 \\
29258 &:= -2^7 - 9^0 - 2^8 - 5^5 + 8^5 & 29583 &:= -2^5 - 9^0 - 5^5 + 8^5 - 3^3 & 29843 &:= -2^3 - 9^3 + 8^5 - 4^0 - 3^7 \\
29305 &:= -2^6 + 9^4 + 3^9 + 0^1 + 5^5 & 29584 &:= -2^2 + 9^1 - 5^5 + 8^5 - 4^3 & 29847 &:= -2^9 - 9^1 + 8^5 + 4^0 - 7^4 \\
29348 &:= -2^7 - 9^2 - 3^7 - 4^5 + 8^5 & 29585 &:= -2^1 - 9^2 + 5^2 + 8^5 - 5^5 & 29853 &:= -2^2 - 9^3 + 8^5 + 5^1 - 3^7 \\
29352 &:= -2^4 + 9^4 + 3^9 + 5^5 - 2^0 & 29586 &:= -2^6 + 9^0 - 5^5 + 8^5 + 6^1 & 29856 &:= -2^1 - 9^0 + 8^5 - 5^5 + 6^3 \\
29354 &:= -2^4 + 9^4 + 3^9 + 5^5 + 4^0 & 29587 &:= -2^3 + 9^0 - 5^5 + 8^5 - 7^2 & 29857 &:= -2^7 - 9^0 + 8^5 - 5^5 + 7^3 \\
29365 &:= -2^2 - 9^3 - 3^9 + 6^6 + 5^5 & 29588 &:= -2^6 + 9^0 - 5^5 + 8^1 + 8^5 & 29859 &:= -2^9 - 9^0 + 8^5 - 5^5 + 9^3 \\
29367 &:= -2^3 + 9^0 - 3^9 + 6^6 + 7^4 & 29589 &:= -2^6 + 9^0 - 5^5 + 8^5 + 9^1 & 29867 &:= -2^6 + 9^2 + 8^0 + 6^6 - 7^5 \\
29384 &:= -2^2 - 9^2 - 3^9 + 8^5 + 4^7 & 29633 &:= -2^2 - 9^1 + 6^5 + 3^7 + 3^9 & 29873 &:= -2^2 - 9^6 - 8^6 + 7^7 - 3^4 \\
29385 &:= -2^4 + 9^0 - 3^5 + 8^5 - 5^5 & 29637 &:= -2^7 - 9^2 + 6^6 - 3^1 - 7^5 & 29877 &:= -2^5 - 9^6 - 8^6 - 7^2 + 7^7 \\
29387 &:= -2^3 - 9^3 - 3^5 + 8^5 - 7^4 & 29654 &:= -2^9 - 9^2 + 6^6 - 5^2 - 4^7 & 29878 &:= -2^4 - 9^6 - 8^2 + 7^7 - 8^6 \\
29388 &:= -2^2 - 9^1 + 3^6 - 8^4 + 8^5 & 29657 &:= -2^8 + 9^4 + 6^5 + 5^6 - 7^2 & 29927 &:= -2^2 + 9^4 + 9^4 + 2^1 + 7^5 \\
29416 &:= -2^7 - 9^3 - 4^7 + 1^0 + 6^6 & 29672 &:= -2^5 - 9^2 + 6^6 - 7^5 - 2^6 & 29947 &:= -2^1 - 9^1 - 9^6 - 4^9 + 7^7 \\
29433 &:= -2^6 - 9^1 + 4^7 + 3^8 + 3^8 & 29673 &:= -2^8 - 9^0 + 6^6 - 7^5 + 3^4 & 29965 &:= -2^8 - 9^2 - 9^3 + 6^6 - 5^6 \\
29434 &:= -2^3 + 9^4 - 4^3 + 3^8 + 4^7 & 29676 &:= -2^7 - 9^1 - 6^2 - 7^5 + 6^6 & & \\
29435 &:= -2^6 - 9^3 + 4^8 - 3^9 - 5^6 & 29678 &:= -2^6 - 9^6 - 6^3 + 7^7 - 8^6 & 30245 &:= -3^9 + 0^0 + 2^4 + 4^8 - 5^6 \\
29436 &:= -2^1 - 9^4 - 4^6 - 3^8 + 6^6 & 29679 &:= -2^3 - 9^2 + 6^6 - 7^5 - 9^2 & 30246 &:= -3^2 - 0^0 - 2^4 - 4^7 + 6^6 \\
29437 &:= -2^9 - 9^6 - 4^9 - 3^2 + 7^7 & 29697 &:= -2^4 + 9^4 - 6^3 + 9^4 + 7^5 & 30264 &:= -3^1 - 0^0 - 2^2 + 6^6 - 4^7 \\
29438 &:= -2^2 + 9^4 + 4^7 + 3^8 - 8^2 & 29726 &:= -2^7 + 9^0 - 7^5 + 2^2 + 6^6 & 30278 &:= -3^4 + 0^1 - 2^3 - 7^4 + 8^5 \\
29443 &:= -2^6 + 9^4 + 4^0 + 4^7 + 3^8 & 29743 &:= -2^5 + 9^3 - 7^5 + 4^8 - 3^9 & 30286 &:= -3^7 + 0^0 - 2^9 + 8^5 + 6^3 \\
29447 &:= -2^9 - 9^6 + 4^0 - 4^9 + 7^7 & 29746 &:= -2^7 + 9^1 - 7^5 + 4^2 + 6^6 & 30287 &:= -3^4 - 0^0 + 2^1 + 8^5 - 7^4 \\
29473 &:= -2^5 - 9^4 + 4^7 - 7^0 + 3^9 & 29749 &:= -2^7 - 9^2 + 7^7 - 4^9 - 9^6 & 30288 &:= -3^8 + 0^0 - 2^4 + 8^4 + 8^5 \\
29475 &:= -2^1 + 9^2 - 4^8 + 7^5 + 5^7 & 29760 &:= -2^3 - 9^2 - 7^5 + 6^6 + 0^1 & 30328 &:= -3^7 + 0^1 + 3^1 - 2^8 + 8^5 \\
29477 &:= -2^5 - 9^1 - 4^6 + 7^5 + 7^5 & 29761 &:= -2^3 - 9^2 - 7^5 + 6^6 + 1^0 & 30338 &:= -3^1 + 0^0 + 3^8 + 3^9 + 8^4 \\
29490 &:= -2^4 + 9^4 + 4^7 + 9^4 + 0^1 & 29762 &:= -2^1 - 9^2 - 7^5 + 6^6 - 2^2 & 30368 &:= -3^7 + 0^1 + 3^1 - 6^3 + 8^5 \\
29491 &:= -2^4 + 9^4 + 4^7 + 9^4 + 1^0 & 29763 &:= -2^1 - 9^2 - 7^5 + 6^6 - 3^1 & 30384 &:= -3^8 + 0^1 + 3^4 + 8^5 + 4^6 \\
29492 &:= -2^4 + 9^4 + 4^7 + 9^4 + 2^1 & 29764 &:= -2^3 - 9^2 - 7^5 + 6^6 + 4^1 & 30387 &:= -3^5 + 0^1 - 3^7 + 8^5 + 7^2 \\
29493 &:= -2^2 - 9^1 + 4^7 + 9^4 + 3^8 & 29765 &:= -2^1 - 9^2 - 7^5 + 6^6 - 5^0 & 30446 &:= -3^4 - 0^0 + 4^4 - 4^7 + 6^6 \\
29494 &:= -2^3 + 9^4 - 4^1 + 9^4 + 4^7 & 29766 &:= -2^3 - 9^2 - 7^5 + 6^1 + 6^6 & 30483 &:= -3^4 - 0^0 - 4^2 + 8^5 - 3^7 \\
29495 &:= -2^4 + 9^4 + 4^7 + 9^4 + 5^1 & 29767 &:= -2^1 - 9^2 + 7^0 + 6^6 - 7^5 & 30486 &:= -3^6 - 0^0 - 4^4 + 8^5 - 6^4 \\
29496 &:= -2^2 + 9^4 + 4^7 + 9^4 - 6^1 & 29768 &:= -2^3 - 9^1 - 7^5 + 6^6 - 8^2 & 30498 &:= -3^7 - 0^0 - 4^0 - 9^2 + 8^5 \\
29497 &:= -2^1 + 9^4 + 4^7 + 9^4 - 7^1 & 29769 &:= -2^3 + 9^1 - 7^5 + 6^6 - 9^2 & 30525 &:= -3^6 + 0^1 + 5^6 + 2^2 + 5^6 \\
29498 &:= -2^3 + 9^4 - 4^7 + 9^4 + 8^5 & 29782 &:= -2^6 - 9^1 - 7^4 + 8^5 - 2^9 & 30538 &:= -3^7 + 0^0 - 5^3 + 3^4 + 8^5 \\
29499 &:= -2^3 + 9^0 + 4^7 + 9^4 + 9^4 & 29783 &:= -2^8 - 9^6 + 7^7 - 8^6 + 3^4 & 30552 &:= -3^6 - 0^0 + 5^6 + 5^6 + 2^5 \\
29528 &:= -2^1 - 9^2 - 5^5 - 2^5 + 8^5 & 29784 &:= -2^9 - 9^4 - 7^1 + 8^5 + 4^6 & 30556 &:= -3^6 - 0^0 + 5^6 + 5^6 + 6^2 \\
29546 &:= -2^1 - 9^3 + 5^1 - 4^7 + 6^6 & 29786 &:= -2^7 + 9^0 - 7^5 + 8^2 + 6^6 & 30558 &:= -3^7 + 0^0 - 5^2 + 5^0 + 8^5
\end{aligned}$$

$$\begin{aligned}
30578 &:= -3^7 - 0^0 - 5^0 - 7^0 + 8^5 & 31596 &:= -3^9 + 1^0 + 5^1 + 9^5 - 6^5 & 32228 &:= -3^3 - 2^0 - 2^8 - 2^8 + 8^5 \\
30580 &:= -3^7 + 0^0 - 5^0 + 8^5 - 0^0 & 31645 &:= -3^4 + 1^0 - 6^6 + 4^4 + 5^7 & 32238 &:= -3^1 - 2^4 - 2^9 + 3^0 + 8^5 \\
30580 &:= -3^7 - 0^0 - 5^0 + 8^5 + 0^0 & 31648 &:= -3^4 + 1^0 - 6^4 + 4^4 + 8^5 & 32248 &:= -3^1 - 2^0 - 2^9 - 4^1 + 8^5 \\
30581 &:= -3^7 + 0^1 + 5^0 + 8^5 - 1^0 & 31685 &:= -3^5 + 1^0 - 6^3 + 8^5 - 5^4 & 32254 &:= -3^1 - 2^3 + 2^8 + 5^6 + 4^7 \\
30582 &:= -3^7 + 0^0 + 5^0 + 8^5 - 2^0 & 31686 &:= -3^1 + 1^0 + 6^3 + 8^5 - 6^4 & 32257 &:= -3^5 + 2^2 + 2^6 + 5^6 + 7^5 \\
30583 &:= -3^1 + 0^1 + 5^1 + 8^5 - 3^7 & 31687 &:= -3^7 + 1^0 - 6^4 + 8^5 + 7^4 & 32258 &:= -3^1 + 2^2 - 2^9 + 5^0 + 8^5 \\
30584 &:= -3^7 + 0^0 + 5^0 + 8^5 + 4^0 & 31705 &:= -3^6 + 1^0 + 7^5 + 0^0 + 5^6 & 32268 &:= -3^1 - 2^9 + 2^4 - 6^0 + 8^5 \\
30585 &:= -3^6 + 0^1 + 5^6 + 8^2 + 5^6 & 31734 &:= -3^7 + 1^0 + 7^5 + 3^6 + 4^7 & 32275 &:= -3^3 - 2^1 - 2^7 + 7^5 + 5^6 \\
30586 &:= -3^7 + 0^0 + 5^1 + 8^5 - 6^0 & 31776 &:= -3^9 + 1^0 + 7^4 + 7^4 + 6^6 & 32278 &:= -3^1 - 2^4 - 2^7 - 7^3 + 8^5 \\
30587 &:= -3^7 + 0^1 - 5^0 + 8^5 + 7^1 & 31823 &:= -3^6 + 1^0 + 8^5 + 2^9 - 3^6 & 32280 &:= -3^2 + 2^5 - 2^9 + 8^5 + 0^0 \\
30588 &:= -3^7 + 0^0 + 5^1 + 8^0 + 8^5 & 31826 &:= -3^6 + 1^0 + 8^5 + 2^1 - 6^3 & 32283 &:= -3^5 - 2^0 + 2^1 + 8^5 - 3^5 \\
30589 &:= -3^7 + 0^1 - 5^0 + 8^5 + 9^1 & 31829 &:= -3^4 - 1^0 + 8^5 - 2^7 - 9^3 & 32284 &:= -3^1 + 2^5 - 2^9 + 8^5 - 4^0 \\
30618 &:= -3^7 + 0^1 + 6^2 + 1^0 + 8^5 & 31862 &:= -3^7 + 1^0 + 8^5 + 6^4 - 2^4 & 32286 &:= -3^1 + 2^5 - 2^9 + 8^5 + 6^0 \\
30654 &:= -3^5 + 0^1 + 6^6 + 5^4 - 4^7 & 31868 &:= -3^7 - 1^0 - 8^1 + 6^4 + 8^5 & 32287 &:= -3^2 - 2^0 - 2^7 + 8^5 - 7^3 \\
30659 &:= -3^4 + 0^1 - 6^6 + 5^7 - 9^3 & 31869 &:= -3^7 + 1^0 + 8^5 + 6^4 - 9^1 & 32288 &:= -3^6 + 2^0 + 2^8 + 8^5 - 8^1 \\
30682 &:= -3^7 + 0^0 + 6^2 + 8^5 + 2^6 & 31886 &:= -3^6 - 1^0 + 8^2 + 8^5 - 6^3 & 32293 &:= -3^8 - 2^8 - 2^8 + 9^5 - 3^9 \\
30694 &:= -3^3 + 0^1 + 6^5 + 9^4 + 4^7 & 31887 &:= -3^3 + 1^0 - 8^3 + 8^5 - 7^3 & 32298 &:= -3^6 + 2^1 + 2^8 + 9^0 + 8^5 \\
30698 &:= -3^7 + 0^1 + 6^2 + 9^2 + 8^5 & 31956 &:= -3^5 + 1^0 + 9^3 + 5^7 - 6^6 & 32308 &:= -3^5 + 2^9 - 3^6 + 0^1 + 8^5 \\
30758 &:= -3^7 + 0^0 + 7^5 + 5^6 + 8^3 & 31958 &:= -3^4 - 1^0 - 9^3 + 5^0 + 8^5 & 32328 &:= -3^2 - 2^8 + 3^4 - 2^8 + 8^5 \\
30822 &:= -3^7 + 0^0 + 8^5 + 2^8 - 2^4 & 32008 &:= -3^6 - 2^5 + 0^0 + 0^1 + 8^5 & 32344 &:= -3^7 - 2^9 + 3^9 - 4^5 + 4^7 \\
30823 &:= -3^7 + 0^1 + 8^5 - 2^0 + 3^5 & 32028 &:= -3^5 - 2^9 - 0^0 + 2^4 + 8^5 & 32346 &:= -3^4 - 2^5 + 3^7 - 4^7 + 6^6 \\
30828 &:= -3^7 - 0^0 - 8^1 + 2^8 + 8^5 & 32038 &:= -3^6 - 2^0 + 0^0 - 3^0 + 8^5 & 32347 &:= -3^4 - 2^1 - 3^9 - 4^8 + 7^6 \\
30829 &:= -3^7 + 0^0 + 8^5 + 2^8 - 9^1 & 32044 &:= -3^6 + 2^2 + 0^0 + 4^7 + 4^7 & 32348 &:= -3^2 - 2^7 - 3^3 - 4^4 + 8^5 \\
30832 &:= -3^7 + 0^1 + 8^5 + 3^5 + 2^3 & 32045 &:= -3^3 + 2^6 - 0^0 + 4^7 + 5^6 & 32358 &:= -3^3 - 2^0 + 3^5 - 5^4 + 8^5 \\
30833 &:= -3^7 + 0^1 + 8^5 + 3^2 + 3^5 & 32048 &:= -3^6 + 2^2 + 0^0 + 4^1 + 8^5 & 32366 &:= -3^4 + 2^7 - 3^8 + 6^6 - 6^5 \\
30834 &:= -3^1 + 0^1 + 8^5 - 3^7 + 4^4 & 32058 &:= -3^4 - 2^2 + 0^1 - 5^4 + 8^5 & 32368 &:= -3^2 - 2^8 + 3^4 - 6^3 + 8^5 \\
30842 &:= -3^7 + 0^0 + 8^5 + 4^1 + 2^8 & 32068 &:= -3^6 - 2^3 + 0^0 + 6^2 + 8^5 & 32378 &:= -3^1 - 2^0 - 3^6 + 7^3 + 8^5 \\
30857 &:= -3^6 + 0^1 + 8^5 + 5^6 - 7^5 & 32078 &:= -3^6 + 2^5 + 0^1 + 7^1 + 8^5 & 32380 &:= -3^4 - 2^6 - 3^5 + 8^5 + 0^1 \\
30862 &:= -3^7 + 0^0 + 8^5 + 6^3 + 2^6 & 32083 &:= -3^6 + 2^4 + 0^0 + 8^5 + 3^3 & 32381 &:= -3^4 - 2^6 - 3^5 + 8^5 + 1^0 \\
30873 &:= -3^7 + 0^1 + 8^5 + 7^2 + 3^5 & 32085 &:= -3^3 - 2^5 + 0^0 + 8^5 - 5^4 & 32382 &:= -3^1 - 2^7 + 3^0 + 8^5 - 2^8 \\
30965 &:= -3^9 + 0^1 + 9^5 - 6^5 - 5^4 & 32087 &:= -3^4 - 2^8 - 0^0 + 8^5 - 7^3 & 32383 &:= -3^3 + 2^7 - 3^5 + 8^5 - 3^5 \\
30975 &:= -3^6 + 0^0 - 9^3 + 7^5 + 5^6 & 32088 &:= -3^6 - 2^4 + 0^0 + 8^2 + 8^5 & 32384 &:= -3^1 - 2^7 + 3^1 + 8^5 - 4^4 \\
31068 &:= -3^9 - 1^0 + 0^1 + 6^6 + 8^4 & 32089 &:= -3^6 - 2^5 + 0^0 + 8^5 + 9^2 & 32385 &:= -3^1 + 2^1 + 3^5 + 8^5 - 5^4 \\
31283 &:= -3^5 - 1^0 - 2^9 + 8^5 - 3^6 & 32168 &:= -3^4 - 2^9 - 1^0 - 6^1 + 8^5 & 32386 &:= -3^1 + 2^9 - 3^7 + 8^5 + 6^4 \\
31285 &:= -3^6 - 1^0 - 2^7 + 8^5 - 5^4 & 32182 &:= -3^2 - 2^6 - 1^0 + 8^5 - 2^9 & 32387 &:= -3^1 - 2^2 + 3^9 - 8^4 + 7^5 \\
31308 &:= -3^6 - 1^0 - 3^6 - 0^0 + 8^5 & 32183 &:= -3^4 - 2^9 - 1^0 + 8^5 + 3^2 & 32388 &:= -3^2 - 2^6 - 3^5 - 8^2 + 8^5 \\
31338 &:= -3^6 + 1^0 - 3^6 + 3^3 + 8^5 & 32184 &:= -3^2 - 2^9 + 1^0 + 8^5 - 4^3 & 32389 &:= -3^2 - 2^7 - 3^5 + 8^5 + 9^0 \\
31446 &:= -3^3 + 1^0 + 4^7 + 4^7 - 6^4 & 32187 &:= -3^5 + 2^2 + 1^0 + 8^5 - 7^3 & 32427 &:= -3^9 - 2^0 - 4^8 - 2^1 + 7^6 \\
31468 &:= -3^1 - 1^0 + 4^8 - 6^4 - 8^5 & 32188 &:= -3^1 - 2^6 - 1^0 - 8^3 + 8^5 & 32428 &:= -3^4 - 2^0 - 4^4 - 2^1 + 8^5 \\
31484 &:= -3^1 - 1^0 - 4^4 + 8^5 - 4^5 & 32189 &:= -3^5 - 2^8 + 1^0 + 8^5 - 9^2 & 32434 &:= -3^3 - 2^6 + 4^7 - 3^5 + 4^7 \\
31486 &:= -3^1 + 1^0 + 4^2 + 8^5 - 6^4 & 32208 &:= -3^4 + 2^5 - 2^9 + 0^0 + 8^5 & 32436 &:= -3^3 + 2^2 - 4^7 + 3^7 + 6^6
\end{aligned}$$

$32437 := -3^2 - 2^4 + 4^7 - 3^6 + 7^5$	$32554 := -3^4 + 2^0 + 5^4 + 5^6 + 4^7$	$32724 := -3^5 - 2^8 + 7^5 + 2^5 + 4^7$
$32438 := -3^1 - 2^5 - 4^5 + 3^6 + 8^5$	$32556 := -3^2 + 2^0 - 5^7 + 5^8 - 6^7$	$32725 := -3^3 + 2^6 + 7^5 + 2^8 + 5^6$
$32443 := -3^4 - 2^0 + 4^7 + 4^7 - 3^5$	$32564 := -3^1 + 2^9 - 5^6 + 6^6 + 4^5$	$32728 := -3^1 - 2^2 - 7^0 - 2^5 + 8^5$
$32447 := -3^6 + 2^0 - 4^2 + 4^7 + 7^5$	$32568 := -3^5 + 2^1 + 5^1 + 6^2 + 8^5$	$32738 := -3^1 - 2^0 + 7^0 - 3^3 + 8^5$
$32448 := -3^4 + 2^0 - 4^4 + 4^2 + 8^5$	$32578 := -3^5 - 2^0 + 5^1 + 7^2 + 8^5$	$32744 := -3^2 - 2^3 - 7^1 + 4^7 + 4^7$
$32454 := -3^1 + 2^9 - 4^3 + 5^6 + 4^7$	$32581 := -3^5 + 2^5 + 5^2 + 8^5 - 1^0$	$32748 := -3^1 - 2^1 + 7^0 - 4^2 + 8^5$
$32455 := -3^5 + 2^6 + 4^7 + 5^4 + 5^6$	$32582 := -3^2 - 2^6 - 5^4 + 8^5 + 2^9$	$32758 := -3^1 - 2^0 - 7^0 - 5^1 + 8^5$
$32457 := -3^1 + 2^5 - 4^1 + 5^6 + 7^5$	$32583 := -3^1 - 2^6 + 5^3 + 8^5 - 3^5$	$32765 := -3^4 - 2^7 - 7^5 + 6^6 + 5^5$
$32458 := -3^3 - 2^1 - 4^4 - 5^2 + 8^5$	$32584 := -3^1 + 2^3 - 5^3 + 8^5 - 4^3$	$32768 := -3^1 + 2^0 + 7^0 + 6^0 + 8^5$
$32465 := -3^3 - 2^0 + 4^5 - 6^6 + 5^7$	$32585 := -3^3 - 2^5 + 5^0 + 8^5 - 5^3$	$32774 := -3^9 + 2^0 + 7^3 + 7^6 - 4^8$
$32467 := -3^6 - 2^0 + 4^7 + 6^1 + 7^5$	$32586 := -3^1 + 2^5 + 5^1 + 8^5 - 6^3$	$32778 := -3^1 - 2^0 + 7^1 + 7^1 + 8^5$
$32468 := -3^1 - 2^9 - 4^0 + 6^3 + 8^5$	$32587 := -3^1 - 2^2 - 5^3 + 8^5 - 7^2$	$32780 := -3^1 + 2^3 + 7^1 + 8^5 + 0^1$
$32470 := -3^6 + 2^3 + 4^7 + 7^5 + 0^1$	$32588 := -3^1 - 2^6 - 5^4 + 8^3 + 8^5$	$32781 := -3^1 + 2^3 + 7^1 + 8^5 + 1^0$
$32471 := -3^6 + 2^3 + 4^7 + 7^5 + 1^0$	$32589 := -3^1 - 2^8 - 5^0 + 8^5 + 9^2$	$32782 := -3^1 + 2^1 - 7^0 + 8^5 + 2^4$
$32472 := -3^6 + 2^1 + 4^7 + 7^5 + 2^3$	$32608 := -3^2 + 2^6 - 6^3 + 0^0 + 8^5$	$32783 := -3^1 + 2^1 + 7^1 + 8^5 + 3^2$
$32473 := -3^6 + 2^1 + 4^7 + 7^5 + 3^2$	$32618 := -3^3 - 2^7 + 6^1 - 1^0 + 8^5$	$32784 := -3^1 + 2^1 + 7^0 + 8^5 + 4^2$
$32474 := -3^5 - 2^1 + 4^7 - 7^2 + 4^7$	$32628 := -3^1 - 2^3 - 6^0 - 2^7 + 8^5$	$32785 := -3^1 + 2^1 - 7^1 + 8^5 + 5^2$
$32475 := -3^3 - 2^6 + 4^7 + 7^5 - 5^4$	$32634 := -3^4 + 2^8 + 6^6 + 3^7 - 4^7$	$32786 := -3^1 + 2^3 + 7^1 + 8^5 + 6^1$
$32476 := -3^5 - 2^8 + 4^7 + 7^5 - 6^3$	$32638 := -3^1 + 2^3 - 6^3 + 3^4 + 8^5$	$32787 := -3^1 + 2^3 + 7^1 + 8^5 + 7^1$
$32477 := -3^4 - 2^5 - 4^5 + 7^5 + 7^5$	$32648 := -3^2 - 2^7 + 6^0 + 4^2 + 8^5$	$32788 := -3^1 + 2^3 + 7^1 + 8^1 + 8^5$
$32478 := -3^1 - 2^3 + 4^3 - 7^3 + 8^5$	$32653 := -3^8 - 2^8 + 6^6 - 5^4 - 3^8$	$32789 := -3^1 + 2^3 + 7^1 + 8^5 + 9^1$
$32479 := -3^6 + 2^3 + 4^7 + 7^5 + 9^1$	$32658 := -3^1 - 2^4 - 6^3 + 5^3 + 8^5$	$32798 := -3^1 + 2^0 - 7^2 + 9^2 + 8^5$
$32480 := -3^3 - 2^2 - 4^4 + 8^5 - 0^0$	$32668 := -3^2 - 2^7 + 6^0 + 6^2 + 8^5$	$32799 := -3^9 + 2^0 - 7^1 + 9^5 - 9^4$
$32482 := -3^3 + 2^0 - 4^1 + 8^5 - 2^8$	$32674 := -3^1 + 2^2 + 6^6 + 7^4 - 4^7$	$32802 := -3^1 + 2^2 + 8^5 + 0^0 + 2^5$
$32483 := -3^1 + 2^0 - 4^4 + 8^5 - 3^3$	$32677 := -3^6 + 2^3 - 6^3 + 7^5 + 7^5$	$32803 := -3^1 + 2^6 + 8^5 + 0^0 - 3^3$
$32484 := -3^3 - 2^0 - 4^4 - 8^5 + 4^8$	$32678 := -3^1 - 2^1 - 6^2 - 7^2 + 8^5$	$32804 := -3^3 - 2^0 + 8^5 + 0^1 + 4^3$
$32485 := -3^1 + 2^0 - 4^4 + 8^5 - 5^2$	$32679 := -3^8 - 2^9 + 6^6 - 7^3 - 9^4$	$32805 := -3^1 + 2^6 + 8^5 + 0^0 - 5^2$
$32486 := -3^1 + 2^0 - 4^3 + 8^5 - 6^3$	$32680 := -3^4 - 2^0 - 6^1 + 8^5 + 0^1$	$32806 := -3^1 + 2^2 + 8^5 + 0^0 + 6^2$
$32487 := -3^1 + 2^0 + 4^3 + 8^5 - 7^3$	$32681 := -3^4 - 2^0 - 6^1 + 8^5 + 1^0$	$32807 := -3^1 - 2^3 + 8^5 + 0^0 + 7^2$
$32488 := -3^2 - 2^4 - 4^4 + 8^0 + 8^5$	$32682 := -3^3 - 2^0 + 6^1 + 8^5 - 2^6$	$32808 := -3^2 - 2^4 + 8^2 + 0^0 + 8^5$
$32494 := -3^2 - 2^8 + 4^7 - 9^1 + 4^7$	$32683 := -3^1 - 2^1 + 6^0 + 8^5 - 3^4$	$32809 := -3^2 - 2^5 + 8^5 + 0^0 + 9^2$
$32495 := -3^3 + 2^9 + 4^7 + 9^0 + 5^6$	$32684 := -3^1 - 2^4 - 6^0 + 8^5 - 4^3$	$32812 := -3^1 - 2^4 + 8^5 - 1^0 + 2^6$
$32498 := -3^1 - 2^1 - 4^4 - 9^1 + 8^5$	$32685 := -3^3 - 2^5 + 6^0 + 8^5 - 5^2$	$32813 := -3^1 - 2^5 + 8^5 - 1^0 + 3^4$
$32508 := -3^1 - 2^8 - 5^0 + 0^1 + 8^5$	$32686 := -3^2 - 2^0 - 6^2 + 8^5 - 6^2$	$32814 := -3^1 - 2^4 + 8^5 + 1^0 + 4^3$
$32518 := -3^5 - 2^0 - 5^1 - 1^0 + 8^5$	$32687 := -3^1 - 2^7 + 6^0 + 8^5 + 7^2$	$32815 := -3^4 + 2^1 + 8^5 + 1^0 + 5^3$
$32528 := -3^1 - 2^7 - 5^3 + 2^4 + 8^5$	$32688 := -3^2 - 2^0 - 6^1 - 8^2 + 8^5$	$32817 := -3^1 + 2^1 + 8^5 + 1^0 + 7^2$
$32538 := -3^5 - 2^0 + 5^1 + 3^2 + 8^5$	$32689 := -3^1 - 2^0 + 6^1 + 8^5 - 9^2$	$32818 := -3^2 - 2^2 + 8^2 - 1^0 + 8^5$
$32543 := -3^9 + 2^7 - 5^6 + 4^8 + 3^7$	$32694 := -3^7 - 2^3 - 6^5 + 9^5 - 4^7$	$32819 := -3^3 - 2^1 + 8^5 - 1^0 + 9^2$
$32545 := -3^4 - 2^3 + 5^4 + 4^7 + 5^6$	$32698 := -3^1 - 2^5 - 6^2 + 9^0 + 8^5$	$32820 := -3^1 - 2^3 + 8^5 + 2^6 - 0^0$
$32547 := -3^1 - 2^4 - 5^4 + 4^7 + 7^5$	$32708 := -3^1 - 2^3 - 7^2 + 0^1 + 8^5$	$32821 := -3^2 - 2^0 + 8^5 + 2^6 - 1^0$
$32548 := -3^1 - 2^7 - 5^2 - 4^3 + 8^5$	$32718 := -3^1 + 2^0 - 7^2 + 1^0 + 8^5$	$32822 := -3^1 + 2^0 + 8^5 + 2^6 - 2^3$

$32823 := -3^1 - 2^0 + 8^5 + 2^5 + 3^3$	$32868 := -3^5 + 2^7 - 8^0 + 6^3 + 8^5$	$32984 := -3^2 - 2^5 + 9^0 + 8^5 + 4^4$
$32824 := -3^1 - 2^0 + 8^5 - 2^2 + 4^3$	$32869 := -3^3 + 2^7 + 8^5 + 6^0 - 9^0$	$32985 := -3^3 + 2^7 - 9^1 + 8^5 + 5^3$
$32825 := -3^1 + 2^0 + 8^5 + 2^6 - 5^1$	$32870 := -3^3 + 2^7 + 8^5 + 7^0 + 0^1$	$32986 := -3^1 + 2^2 + 9^0 + 8^5 + 6^3$
$32826 := -3^1 - 2^1 + 8^5 + 2^6 - 6^0$	$32871 := -3^2 + 2^6 + 8^5 + 7^2 - 1^0$	$32987 := -3^3 - 2^4 - 9^2 + 8^5 + 7^3$
$32827 := -3^1 - 2^0 + 8^5 + 2^6 - 7^0$	$32872 := -3^2 - 2^3 + 8^5 - 7^1 + 2^7$	$32988 := -3^3 + 2^8 - 9^0 + 8^5 - 8^1$
$32828 := -3^1 - 2^0 - 8^2 + 2^7 + 8^5$	$32873 := -3^1 + 2^3 + 8^5 + 7^3 - 3^5$	$32989 := -3^3 + 2^8 + 9^0 + 8^5 - 9^1$
$32829 := -3^1 - 2^0 + 8^5 - 2^4 + 9^2$	$32874 := -3^1 - 2^2 + 8^5 + 7^2 + 4^3$	$33008 := -3^1 + 3^5 - 0^0 + 0^0 + 8^5$
$32830 := -3^1 - 2^4 + 8^5 + 3^4 + 0^1$	$32875 := -3^1 - 2^3 + 8^5 - 7^1 + 5^3$	$33028 := -3^2 - 3^5 + 0^1 + 2^9 + 8^5$
$32831 := -3^1 - 2^4 + 8^5 + 3^4 + 1^0$	$32876 := -3^1 - 2^4 + 8^5 + 7^3 - 6^3$	$33048 := -3^1 + 3^3 + 0^1 + 4^4 + 8^5$
$32832 := -3^1 + 2^1 + 8^5 + 3^0 + 2^6$	$32877 := -3^1 + 2^6 + 8^5 + 7^2 - 7^0$	$33058 := -3^7 + 3^9 + 0^0 + 5^6 - 8^2$
$32833 := -3^1 - 2^2 + 8^5 - 3^2 + 3^4$	$32878 := -3^1 + 2^7 - 8^2 + 7^2 + 8^5$	$33083 := -3^2 + 3^4 + 0^1 + 8^5 + 3^5$
$32834 := -3^1 + 2^1 + 8^5 + 3^1 + 4^3$	$32879 := -3^1 - 2^4 + 8^5 + 7^2 + 9^2$	$33087 := -3^3 + 3^1 + 0^1 + 8^5 + 7^3$
$32835 := -3^1 - 2^4 + 8^5 + 3^4 + 5^1$	$32880 := -3^2 + 2^7 - 8^1 + 8^5 + 0^0$	$33089 := -3^1 + 3^5 + 0^1 + 8^5 + 9^2$
$32836 := -3^1 - 2^2 + 8^5 + 3^4 - 6^1$	$32882 := -3^2 - 2^2 - 8^0 + 8^5 + 2^7$	$33152 := -3^7 + 3^9 - 1^0 + 5^6 + 2^5$
$32837 := -3^1 - 2^1 + 8^5 + 3^4 - 7^1$	$32883 := -3^1 + 2^7 - 8^0 + 8^5 - 3^2$	$33156 := -3^7 + 3^9 - 1^0 + 5^6 + 6^2$
$32838 := -3^1 + 2^3 + 8^2 + 3^0 + 8^5$	$32884 := -3^1 + 2^7 - 8^1 + 8^5 - 4^0$	$33157 := -3^1 + 3^6 - 1^0 + 5^6 + 7^5$
$32839 := -3^1 + 2^1 + 8^5 + 3^4 - 9^1$	$32885 := -3^1 - 2^2 - 8^0 + 8^5 + 5^3$	$33158 := -3^5 + 3^2 - 1^0 + 5^4 + 8^5$
$32840 := -3^2 + 2^4 + 8^5 + 4^3 + 0^0$	$32886 := -3^1 + 2^7 - 8^0 + 8^5 - 6^1$	$33174 := -3^2 - 3^2 + 1^0 + 7^5 + 4^7$
$32843 := -3^1 - 2^1 + 8^5 - 4^0 + 3^4$	$32887 := -3^1 + 2^7 + 8^0 + 8^5 - 7^1$	$33208 := -3^4 + 3^2 + 2^9 + 0^1 + 8^5$
$32844 := -3^1 - 2^0 + 8^5 + 4^2 + 4^3$	$32888 := -3^2 + 2^0 + 8^2 + 8^2 + 8^5$	$33228 := -3^1 - 3^4 + 2^5 + 2^9 + 8^5$
$32845 := -3^3 + 2^7 + 8^5 + 4^0 - 5^2$	$32889 := -3^2 + 2^7 + 8^0 + 8^5 + 9^0$	$33243 := -3^8 - 3^8 + 2^9 + 4^8 - 3^9$
$32846 := -3^1 + 2^4 + 8^5 + 4^3 + 6^0$	$32892 := -3^1 - 2^1 + 8^5 + 9^0 + 2^7$	$33244 := -3^2 - 3^3 + 2^9 + 4^7 + 4^7$
$32847 := -3^1 + 2^5 + 8^5 + 4^0 + 7^2$	$32893 := -3^1 + 2^7 + 8^5 + 9^0 - 3^0$	$33246 := -3^8 - 3^8 - 2^5 - 4^4 + 6^6$
$32849 := -3^1 - 2^0 + 8^5 + 4^1 + 9^2$	$32894 := -3^1 - 2^4 + 8^5 + 9^2 + 4^3$	$33247 := -3^1 + 3^3 + 2^5 + 4^7 + 7^5$
$32850 := -3^3 - 2^4 + 8^5 + 5^3 + 0^1$	$32895 := -3^1 + 2^2 + 8^5 + 9^0 + 5^3$	$33248 := -3^1 + 3^5 - 2^4 + 4^4 + 8^5$
$32851 := -3^2 - 2^5 + 8^5 + 5^3 - 1^0$	$32896 := -3^1 - 2^2 + 8^5 - 9^2 + 6^3$	$33250 := -3^7 + 3^9 + 2^7 + 5^6 + 0^0$
$32852 := -3^1 - 2^1 + 8^5 + 5^2 + 2^6$	$32897 := -3^1 + 2^1 + 8^5 + 9^2 + 7^2$	$33258 := -3^5 + 3^6 - 2^0 + 5^1 + 8^5$
$32853 := -3^1 + 2^1 + 8^5 + 5^1 + 3^4$	$32899 := -3^3 - 2^2 + 8^5 + 9^2 + 9^2$	$33262 := -3^8 - 3^8 - 2^4 + 6^6 - 2^8$
$32854 := -3^1 - 2^5 + 8^5 + 5^3 - 4^1$	$32928 := -3^2 + 2^5 + 9^1 + 2^7 + 8^5$	$33264 := -3^9 + 3^7 + 2^3 + 6^6 + 4^6$
$32855 := -3^1 + 2^6 + 8^5 + 5^0 + 5^2$	$32929 := -3^9 - 2^2 - 9^4 + 2^7 + 9^5$	$33265 := -3^4 + 3^7 + 2^7 + 6^6 - 5^6$
$32856 := -3^1 + 2^1 + 8^5 + 5^3 - 6^2$	$32932 := -3^8 - 2^0 + 9^5 - 3^9 + 2^7$	$33268 := -3^1 - 3^1 + 2^9 - 6^1 + 8^5$
$32857 := -3^1 + 2^4 + 8^5 + 5^3 - 7^2$	$32938 := -3^4 - 2^0 + 9^1 + 3^5 + 8^5$	$33269 := -3^2 - 3^8 - 2^8 + 6^6 - 9^4$
$32858 := -3^1 + 2^2 + 8^2 + 5^2 + 8^5$	$32944 := -3^4 + 2^8 + 9^0 + 4^7 + 4^7$	$33280 := -3^1 + 3^1 + 2^9 + 8^5 + 0^1$
$32859 := -3^1 + 2^3 + 8^5 + 5^1 + 9^2$	$32947 := -3^3 + 2^9 - 9^3 + 4^7 + 7^5$	$33281 := -3^1 + 3^1 + 2^9 + 8^5 + 1^0$
$32860 := -3^2 + 2^6 + 8^5 + 6^2 + 0^0$	$32948 := -3^1 + 2^3 - 9^2 + 4^4 + 8^5$	$33282 := -3^1 + 3^0 + 2^2 + 8^5 + 2^9$
$32862 := -3^1 + 2^5 + 8^5 + 6^0 + 2^6$	$32949 := -3^9 + 2^7 - 9^4 + 4^2 + 9^5$	$33283 := -3^1 + 3^1 + 2^9 + 8^5 + 3^1$
$32863 := -3^1 + 2^4 + 8^5 + 6^0 + 3^4$	$32968 := -3^1 - 2^2 - 9^1 + 6^3 + 8^5$	$33284 := -3^1 + 3^1 + 2^9 + 8^5 + 4^1$
$32864 := -3^1 - 2^0 + 8^5 + 6^2 + 4^3$	$32969 := -3^9 + 2^7 - 9^4 + 6^2 + 9^5$	$33285 := -3^1 + 3^1 + 2^9 + 8^5 + 5^1$
$32865 := -3^3 - 2^1 + 8^5 + 6^0 + 5^3$	$32981 := -3^1 - 2^9 + 9^3 + 8^5 - 1^0$	$33286 := -3^1 + 3^1 + 2^9 + 8^5 + 6^1$
$32866 := -3^1 + 2^6 + 8^5 + 6^0 + 6^2$	$32982 := -3^1 + 2^3 + 9^2 + 8^5 + 2^7$	$33287 := -3^1 + 3^1 + 2^9 + 8^5 + 7^1$
$32867 := -3^3 - 2^0 + 8^5 - 6^3 + 7^3$	$32983 := -3^1 - 2^4 - 9^1 + 8^5 + 3^5$	$33288 := -3^1 + 3^1 + 2^3 + 8^3 + 8^5$

$33289 := -3^1 + 3^1 + 2^9 + 8^5 + 9^1$	$33536 := -3^1 - 3^8 + 5^1 - 3^8 + 6^6$	$33774 := -3^1 + 3^5 + 7^3 + 7^5 + 4^7$
$33318 := -3^8 + 3^9 + 3^9 + 1^0 + 8^3$	$33538 := -3^1 - 3^4 + 5^3 + 3^6 + 8^5$	$33775 := -3^4 + 3^5 + 7^5 + 7^5 - 5^0$
$33338 := -3^4 + 3^1 - 3^4 + 3^6 + 8^5$	$33539 := -3^8 - 3^9 + 5^1 + 3^6 + 9^5$	$33776 := -3^3 - 3^3 + 7^5 + 7^5 + 6^3$
$33355 := -3^4 - 3^0 + 3^7 + 5^6 + 5^6$	$33554 := -3^1 - 3^6 - 5^6 - 5^6 + 4^8$	$33777 := -3^4 + 3^5 + 7^0 + 7^5 + 7^5$
$33357 := -3^7 + 3^5 + 3^9 + 5^6 - 7^1$	$33560 := -3^8 - 3^8 + 5^2 + 6^6 + 0^0$	$33792 := -3^7 + 3^9 + 7^5 + 9^0 - 2^9$
$33358 := -3^2 + 3^0 - 3^3 + 5^4 + 8^5$	$33573 := -3^6 - 3^7 - 5^0 + 7^5 + 3^9$	$33796 := -3^4 - 3^8 + 7^3 - 9^4 + 6^6$
$33365 := -3^7 + 3^5 + 3^9 + 6^0 + 5^6$	$33574 := -3^5 + 3^0 + 5^4 + 7^5 + 4^7$	$33824 := -3^1 + 3^1 + 8^5 + 2^5 + 4^5$
$33377 := -3^1 + 3^2 - 3^5 + 7^5 + 7^5$	$33576 := -3^4 + 3^7 + 5^7 + 7^0 - 6^6$	$33825 := -3^2 - 3^7 + 8^5 + 2^7 + 5^5$
$33378 := -3^1 + 3^3 + 3^5 + 7^3 + 8^5$	$33577 := -3^1 - 3^2 - 5^2 + 7^5 + 7^5$	$33826 := -3^1 - 3^5 + 8^5 + 2^3 + 6^4$
$33388 := -3^3 - 3^4 + 3^6 - 8^0 + 8^5$	$33579 := -3^7 + 3^9 + 5^1 + 7^5 - 9^3$	$33829 := -3^8 - 3^9 + 8^3 + 2^9 + 9^5$
$33398 := -3^2 - 3^2 - 3^4 + 9^3 + 8^5$	$33594 := -3^7 + 3^9 + 5^6 + 9^3 - 4^4$	$33842 := -3^2 + 3^3 + 8^5 + 4^5 + 2^5$
$33407 := -3^3 + 3^5 + 4^7 + 0^1 + 7^5$	$33597 := -3^5 - 3^9 - 5^5 + 9^5 - 7^4$	$33843 := -3^1 + 3^3 + 8^5 + 4^5 + 3^3$
$33418 := -3^4 + 3^6 + 4^0 + 1^0 + 8^5$	$33598 := -3^1 + 3^6 - 5^4 + 9^3 + 8^5$	$33844 := -3^1 - 3^2 + 8^5 + 4^3 + 4^5$
$33424 := -3^4 + 3^6 + 4^7 + 2^3 + 4^7$	$33623 := -3^8 + 3^4 + 6^6 + 2^3 - 3^8$	$33845 := -3^1 + 3^4 + 8^5 + 4^5 - 5^2$
$33427 := -3^2 + 3^5 + 4^7 + 2^1 + 7^5$	$33626 := -3^8 - 3^8 - 6^2 + 2^7 + 6^6$	$33846 := -3^2 + 3^3 + 8^5 + 4^5 + 6^2$
$33428 := -3^2 + 3^6 - 4^3 + 2^2 + 8^5$	$33628 := -3^1 + 3^6 + 6^1 + 2^7 + 8^5$	$33847 := -3^1 + 3^2 + 8^5 + 4^5 + 7^2$
$33442 := -3^4 + 3^5 + 4^7 + 4^7 + 2^9$	$33643 := -3^5 - 3^7 + 6^1 + 4^7 + 3^9$	$33848 := -3^2 + 3^0 + 8^2 + 4^5 + 8^5$
$33443 := -3^3 - 3^3 + 4^7 + 4^7 + 3^6$	$33645 := -3^3 + 3^7 - 6^6 + 4^2 + 5^7$	$33849 := -3^3 + 3^1 + 8^5 + 4^5 + 9^2$
$33445 := -3^3 + 3^6 + 4^7 + 4^7 - 5^2$	$33647 := -3^1 + 3^5 + 6^3 + 4^7 + 7^5$	$33862 := -3^3 + 3^4 + 8^5 + 6^4 - 2^8$
$33446 := -3^6 - 3^0 + 4^7 - 4^9 + 6^7$	$33648 := -3^2 + 3^4 - 6^3 + 4^5 + 8^5$	$33864 := -3^5 + 3^3 + 8^5 + 6^4 + 4^2$
$33447 := -3^1 + 3^1 + 4^4 + 4^7 + 7^5$	$33652 := -3^1 + 3^7 - 6^6 + 5^7 - 2^0$	$33865 := -3^1 - 3^6 + 8^5 - 6^4 + 5^5$
$33448 := -3^4 + 3^6 + 4^2 + 4^2 + 8^5$	$33654 := -3^1 + 3^7 - 6^6 + 5^7 + 4^0$	$33866 := -3^2 + 3^3 + 8^5 + 6^4 - 6^3$
$33462 := -3^8 - 3^8 - 4^3 + 6^6 - 2^3$	$33658 := -3^8 - 3^8 + 6^6 + 5^3 - 8^0$	$33867 := -3^1 - 3^1 + 8^5 - 6^4 + 7^4$
$33464 := -3^7 + 3^9 + 4^6 + 6^5 + 4^6$	$33665 := -3^3 + 3^7 - 6^6 + 6^2 + 5^7$	$33876 := -3^8 - 3^8 - 8^0 + 7^3 + 6^6$
$33465 := -3^2 + 3^7 + 4^4 + 6^6 - 5^6$	$33668 := -3^2 + 3^6 - 6^2 + 6^3 + 8^5$	$33884 := -3^6 - 3^7 - 8^2 + 8^5 + 4^6$
$33467 := -3^1 + 3^5 + 4^7 + 6^2 + 7^5$	$33669 := -3^4 - 3^8 + 6^3 + 6^6 - 9^4$	$33885 := -3^7 + 3^5 - 8^2 + 8^5 + 5^5$
$33468 := -3^3 - 3^4 + 4^5 - 6^3 + 8^5$	$33682 := -3^2 + 3^7 - 6^4 + 8^5 + 2^5$	$33886 := -3^5 + 3^0 + 8^2 + 8^5 + 6^4$
$33469 := -3^4 - 3^8 + 4^2 + 6^6 - 9^4$	$33683 := -3^1 - 3^3 + 6^3 + 8^5 + 3^6$	$33934 := -3^3 - 3^7 + 9^2 + 3^9 + 4^7$
$33478 := -3^3 + 3^6 + 4^0 + 7^1 + 8^5$	$33684 := -3^4 + 3^2 - 6^2 + 8^5 + 4^5$	$33936 := -3^1 - 3^4 + 9^4 + 3^9 + 6^5$
$33480 := -3^4 + 3^6 + 4^3 + 8^5 + 0^1$	$33685 := -3^1 + 3^6 + 6^3 + 8^5 - 5^2$	$33954 := -3^5 + 3^7 + 9^0 + 5^6 + 4^7$
$33481 := -3^4 + 3^6 + 4^3 + 8^5 + 1^0$	$33686 := -3^2 + 3^7 + 6^2 + 8^5 - 6^4$	$33955 := -3^6 + 3^9 + 9^0 + 5^6 - 5^4$
$33482 := -3^1 - 3^5 + 4^5 + 8^5 - 2^6$	$33687 := -3^3 + 3^6 + 6^3 + 8^5 + 7^0$	$33958 := -3^7 + 3^5 + 9^1 + 5^5 + 8^5$
$33483 := -3^1 - 3^3 + 4^2 + 8^5 + 3^6$	$33689 := -3^3 + 3^1 + 6^3 + 8^5 + 9^3$	$33974 := -3^3 + 3^4 + 9^3 + 7^5 + 4^7$
$33484 := -3^4 - 3^5 + 4^2 + 8^5 + 4^5$	$33736 := -3^6 - 3^6 + 7^5 + 3^9 - 6^4$	$33982 := -3^5 + 3^6 + 9^3 + 8^5 - 2^0$
$33485 := -3^1 + 3^6 - 4^1 + 8^5 - 5^1$	$33738 := -3^1 + 3^5 + 7^0 + 3^6 + 8^5$	$33984 := -3^5 + 3^6 + 9^3 + 8^5 + 4^0$
$33486 := -3^2 - 3^4 + 4^5 + 8^5 - 6^3$	$33756 := -3^5 + 3^7 + 7^3 + 5^7 - 6^6$	$34065 := -3^1 + 4^8 + 0^0 + 6^6 - 5^7$
$33487 := -3^3 + 3^6 + 4^2 + 8^5 + 7^0$	$33757 := -3^2 + 3^3 + 7^5 + 5^3 + 7^5$	$34168 := -3^2 + 4^7 + 1^0 + 6^7 - 8^6$
$33488 := -3^2 + 3^6 - 4^0 + 8^0 + 8^5$	$33758 := -3^7 + 3^1 + 7^2 + 5^5 + 8^5$	$34234 := -3^6 + 4^7 + 2^3 + 3^7 + 4^7$
$33489 := -3^1 - 3^0 - 4^1 + 8^5 + 9^3$	$33759 := -3^4 - 3^9 - 7^4 - 5^5 + 9^5$	$34235 := -3^4 - 4^5 + 2^5 + 3^9 + 5^6$
$33498 := -3^1 + 3^1 + 4^0 + 9^3 + 8^5$	$33772 := -3^4 + 3^5 + 7^5 + 7^5 - 2^2$	$34237 := -3^7 - 4^3 - 2^1 + 3^9 + 7^5$
$33533 := -3^8 + 3^6 - 5^0 + 3^9 + 3^9$	$33773 := -3^1 + 3^4 + 7^5 + 7^5 + 3^4$	$34238 := -3^3 + 4^4 + 2^9 + 3^6 + 8^5$

$$\begin{aligned}
34253 &:= -3^3 - 4^5 - 2^2 + 5^6 + 3^9 & 34639 &:= -3^8 + 4^5 + 6^6 + 3^4 - 9^4 & 34857 &:= -3^4 - 4^4 + 8^5 + 5^2 + 7^4 \\
34257 &:= -3^7 + 4^7 + 2^7 + 5^5 + 7^5 & 34653 &:= -3^3 + 4^5 - 6^6 + 5^7 + 3^7 & 34858 &:= -3^1 - 4^5 - 8^1 + 5^5 + 8^5 \\
34276 &:= -3^5 + 4^7 + 2^5 + 7^5 + 6^4 & 34655 &:= -3^1 + 4^3 - 6^6 + 5^5 + 5^7 & 34859 &:= -3^2 - 4^5 + 8^5 + 5^5 - 9^0 \\
34278 &:= -3^3 + 4^5 + 2^9 + 7^0 + 8^5 & 34656 &:= -3^1 - 4^6 - 6^5 - 5^3 + 6^6 & 34863 &:= -3^3 - 4^3 + 8^5 - 6^0 + 3^7 \\
34286 &:= -3^4 - 4^7 - 2^0 + 8^4 + 6^6 & 34658 &:= -3^1 + 4^3 - 6^4 + 5^5 + 8^5 & 34865 &:= -3^1 - 4^5 + 8^5 - 6^0 + 5^5 \\
34296 &:= -3^4 - 4^7 - 2^9 + 9^5 - 6^5 & 34669 &:= -3^9 + 4^0 + 6^5 + 6^6 - 9^2 & 34872 &:= -3^2 - 4^4 + 8^5 + 7^4 - 2^5 \\
34307 &:= -3^7 + 4^1 + 3^9 + 0^1 + 7^5 & 34676 &:= -3^3 + 4^7 + 6^3 + 7^5 + 6^4 & 34873 &:= -3^4 - 4^5 - 8^3 + 7^5 + 3^9 \\
34325 &:= -3^6 - 4^4 + 3^9 + 2^1 + 5^6 & 34678 &:= -3^7 + 4^6 - 6^1 + 7^1 + 8^5 & 34876 &:= -3^4 + 4^1 + 8^5 + 7^4 - 6^3 \\
34327 &:= -3^7 + 4^2 + 3^9 + 2^3 + 7^5 & 34682 &:= -3^7 + 4^6 + 6^0 + 8^5 + 2^2 & 34877 &:= -3^2 + 4^7 + 8^4 + 7^5 - 7^4 \\
34328 &:= -3^1 + 4^5 + 3^3 + 2^9 + 8^5 & 34684 &:= -3^7 + 4^0 + 6^1 + 8^5 + 4^6 & 34878 &:= -3^3 - 4^4 - 8^1 + 7^4 + 8^5 \\
34335 &:= -3^5 - 4^0 - 3^6 + 3^9 + 5^6 & 34685 &:= -3^1 - 4^0 + 6^4 + 8^5 + 5^4 & 34883 &:= -3^2 + 4^0 - 8^2 + 8^5 + 3^7 \\
34345 &:= -3^1 - 4^5 + 3^9 + 4^3 + 5^6 & 34686 &:= -3^9 - 4^3 + 6^5 + 8^0 + 6^6 & 34887 &:= -3^3 - 4^4 + 8^0 + 8^5 + 7^4 \\
34364 &:= -3^1 + 4^6 - 3^0 + 6^6 - 4^7 & 34692 &:= -3^8 + 4^9 - 6^7 + 9^5 - 2^2 & 34894 &:= -3^1 + 4^5 + 8^5 + 9^2 + 4^5 \\
34368 &:= -3^1 + 4^3 + 3^5 + 6^4 + 8^5 & 34693 &:= -3^1 + 4^9 - 6^7 + 9^5 - 3^8 & 34896 &:= -3^2 + 4^7 - 8^6 + 9^3 + 6^7 \\
34375 &:= -3^5 - 4^0 + 3^7 + 7^5 + 5^6 & 34695 &:= -3^8 + 4^9 - 6^7 + 9^5 - 5^0 & 34926 &:= -3^3 - 4^7 + 9^5 + 2^6 - 6^5 \\
34382 &:= -3^1 + 4^5 + 3^4 + 8^5 + 2^9 & 34696 &:= -3^6 + 4^9 + 6^6 + 9^4 - 6^7 & 34938 &:= -3^2 + 4^0 - 9^1 + 3^7 + 8^5 \\
34383 &:= -3^2 + 4^7 - 3^7 + 8^3 + 3^9 & 34697 &:= -3^8 + 4^9 - 6^7 + 9^5 + 7^0 & 34943 &:= -3^1 + 4^7 - 9^1 + 4^7 + 3^7 \\
34385 &:= -3^2 + 4^3 + 3^7 + 8^5 - 5^4 & 34724 &:= -3^1 + 4^5 + 7^5 + 2^9 + 4^7 & 34963 &:= -3^4 + 4^5 + 9^4 + 6^5 + 3^9 \\
34386 &:= -3^2 - 4^7 + 3^3 + 8^4 + 6^6 & 34728 &:= -3^6 + 4^4 + 7^4 + 2^5 + 8^5 & 34965 &:= -3^4 + 4^6 - 9^2 + 6^6 - 5^6 \\
34433 &:= -3^1 + 4^6 + 4^6 + 3^8 + 3^9 & 34736 &:= -3^6 - 4^5 + 7^5 + 3^9 - 6^0 & 34968 &:= -3^4 + 4^4 + 9^3 + 6^4 + 8^5 \\
34435 &:= -3^7 + 4^7 + 4^7 + 3^6 + 5^5 & 34738 &:= -3^6 - 4^5 + 7^5 + 3^9 + 8^0 & 34982 &:= -3^5 - 4^6 + 9^4 + 8^5 - 2^3 \\
34472 &:= -3^6 + 4^7 + 4^7 + 7^4 + 2^5 & 34744 &:= -3^6 - 4^4 + 7^6 - 4^7 - 4^8 & 34983 &:= -3^3 + 4^3 - 9^1 + 8^5 + 3^7 \\
34475 &:= -3^7 + 4^6 + 4^7 + 7^5 - 5^4 & 34748 &:= -3^7 + 4^3 + 7^1 + 4^6 + 8^5 & 34985 &:= -3^5 + 4^3 - 9^3 + 8^5 + 5^5 \\
34476 &:= -3^3 + 4^2 + 4^7 + 7^5 + 6^4 & 34766 &:= -3^9 + 4^2 + 7^0 + 6^5 + 6^6 & 34989 &:= -3^5 - 4^6 - 9^0 + 8^5 + 9^4 \\
34477 &:= -3^4 + 4^5 + 4^7 + 7^3 + 7^5 & 34782 &:= -3^1 - 4^4 + 7^4 + 8^5 - 2^7 & 34993 &:= -3^9 + 4^0 - 9^4 + 9^5 + 3^7 \\
34483 &:= -3^6 + 4^0 + 4^4 + 8^5 + 3^7 & 34783 &:= -3^4 + 4^5 + 7^3 + 8^5 + 3^6 & 35032 &:= -3^5 + 5^6 - 0^0 + 3^9 - 2^5 \\
34494 &:= -3^3 + 4^5 + 4^7 + 9^3 + 4^7 & 34784 &:= -3^4 + 4^5 + 7^2 + 8^5 + 4^5 & 35046 &:= -3^4 - 5^6 + 0^1 + 4^6 + 6^6 \\
34498 &:= -3^3 + 4^1 + 4^5 + 9^3 + 8^5 & 34785 &:= -3^1 - 4^4 + 7^4 + 8^5 - 5^3 & 35054 &:= -3^4 + 5^5 + 0^0 + 5^6 + 4^7 \\
34523 &:= -3^6 - 4^3 + 5^6 + 2^3 + 3^9 & 34787 &:= -3^6 + 4^1 + 7^3 + 8^5 + 7^4 & 35073 &:= -3^5 + 5^6 + 0^0 + 7^1 + 3^9 \\
34526 &:= -3^6 + 4^6 - 5^6 + 2^7 + 6^6 & 34814 &:= -3^1 + 4^5 + 8^5 + 1^0 + 4^5 & 35083 &:= -3^4 + 5^5 + 0^1 + 8^5 - 3^6 \\
34537 &:= -3^4 - 4^0 + 5^6 + 3^7 + 7^5 & 34816 &:= -3^8 + 4^7 + 8^5 + 1^0 - 6^5 & 35087 &:= -3^4 - 5^0 + 0^1 + 8^5 + 7^4 \\
34548 &:= -3^1 + 4^5 - 5^6 + 4^7 + 8^5 & 34823 &:= -3^1 - 4^0 + 8^5 - 2^7 + 3^7 & 35137 &:= -3^6 - 5^4 + 1^0 + 3^9 + 7^5 \\
34553 &:= -3^6 - 4^0 - 5^2 + 5^6 + 3^9 & 34832 &:= -3^3 - 4^3 + 8^5 + 3^7 - 2^5 & 35158 &:= -3^6 - 5^1 - 1^0 + 5^5 + 8^5 \\
34563 &:= -3^8 + 4^5 + 5^1 + 6^6 - 3^8 & 34834 &:= -3^2 + 4^5 + 8^5 + 3^3 + 4^5 & 35223 &:= -3^4 + 5^6 - 2^3 + 2^2 + 3^9 \\
34566 &:= -3^5 - 4^6 + 5^2 - 6^5 + 6^6 & 34835 &:= -3^4 - 4^3 + 8^5 + 3^7 + 5^2 & 35228 &:= -3^6 + 5^5 + 2^5 + 2^5 + 8^5 \\
34567 &:= -3^1 + 4^6 + 5^4 + 6^6 - 7^5 & 34837 &:= -3^3 + 4^5 + 8^5 + 3^6 + 7^3 & 35230 &:= -3^4 + 5^6 + 2^1 + 3^9 + 0^0 \\
34569 &:= -3^7 + 4^7 + 5^7 + 6^4 - 9^5 & 34839 &:= -3^7 + 4^6 + 8^5 + 3^4 + 9^2 & 35232 &:= -3^4 + 5^6 + 2^0 + 3^9 + 2^2 \\
34583 &:= -3^1 + 4^4 - 5^4 + 8^5 + 3^7 & 34846 &:= -3^5 + 4^0 + 8^5 + 4^5 + 6^4 & 35234 &:= -3^2 + 5^6 - 2^0 + 3^9 - 4^3 \\
34586 &:= -3^3 + 4^2 + 5^5 + 8^5 - 6^4 & 34852 &:= -3^2 - 4^5 + 8^5 + 5^5 - 2^3 & 35236 &:= -3^2 + 5^6 - 2^6 + 3^9 + 6^0 \\
34588 &:= -3^6 - 4^3 + 5^5 - 8^3 + 8^5 & 34853 &:= -3^4 - 4^2 + 8^5 - 5^1 + 3^7 & 35246 &:= -3^2 - 5^6 + 2^7 + 4^6 + 6^6 \\
34638 &:= -3^7 - 4^7 + 6^6 + 3^8 - 8^1 & 34855 &:= -3^2 - 4^5 + 8^5 - 5^1 + 5^5 & 35247 &:= -3^6 - 5^6 - 2^9 - 4^8 + 7^6
\end{aligned}$$

$35248 := -3^6 + 5^6 - 2^7 + 4^7 + 8^4$	$35358 := -3^2 - 5^1 + 3^9 + 5^6 + 8^2$	$35679 := -3^8 - 5^0 - 6^0 - 7^5 + 9^5$
$35249 := -3^5 + 5^7 + 2^5 + 4^7 - 9^5$	$35363 := -3^3 + 5^6 + 3^4 + 6^0 + 3^9$	$35682 := -3^1 + 5^5 - 6^3 + 8^5 + 2^3$
$35253 := -3^4 + 5^2 + 2^0 + 5^6 + 3^9$	$35364 := -3^2 + 5^6 + 3^9 + 6^0 + 4^3$	$35683 := -3^1 + 5^5 + 6^2 + 8^5 - 3^5$
$35258 := -3^2 - 5^4 - 2^0 + 5^5 + 8^5$	$35374 := -3^1 - 5^0 + 3^7 + 7^5 + 4^7$	$35684 := -3^2 + 5^3 - 6^4 + 8^5 + 4^6$
$35266 := -3^9 + 5^1 + 2^9 + 6^5 + 6^6$	$35376 := -3^5 - 5^6 + 3^7 + 7^4 + 6^6$	$35685 := -3^5 - 5^0 + 6^2 + 8^5 + 5^5$
$35283 := -3^2 + 5^5 + 2^7 + 8^5 - 3^6$	$35378 := -3^2 - 5^2 + 3^5 + 7^4 + 8^5$	$35686 := -3^3 + 5^5 + 6^2 + 8^5 - 6^3$
$35284 := -3^4 + 5^5 - 2^9 + 8^5 - 4^2$	$35394 := -3^6 - 5^2 + 3^9 + 9^2 + 4^7$	$35687 := -3^5 + 5^5 + 6^2 + 8^5 + 7^0$
$35285 := -3^6 + 5^3 - 2^2 + 8^5 + 5^5$	$35396 := -3^2 - 5^6 - 3^5 + 9^5 - 6^5$	$35732 := -3^4 + 5^6 - 7^1 + 3^9 + 2^9$
$35286 := -3^6 + 5^5 + 2^7 + 8^5 - 6^1$	$35398 := -3^9 + 5^3 + 3^1 + 9^5 - 8^4$	$35733 := -3^1 - 5^2 + 7^5 - 3^6 + 3^9$
$35287 := -3^1 + 5^3 - 2^2 + 8^5 + 7^4$	$35423 := -3^1 - 5^4 + 4^7 - 2^4 + 3^9$	$35735 := -3^6 - 5^0 + 7^5 + 3^9 - 5^2$
$35289 := -3^1 + 5^5 + 2^7 + 8^5 - 9^3$	$35427 := -3^1 - 5^7 - 4^6 + 2^1 + 7^6$	$35737 := -3^6 - 5^2 + 7^0 + 3^9 + 7^5$
$35294 := -3^9 + 5^2 - 2^0 + 9^5 - 4^6$	$35428 := -3^6 + 5^5 + 4^4 + 2^3 + 8^5$	$35738 := -3^4 + 5^6 - 7^0 + 3^9 + 8^3$
$35300 := -3^2 + 5^6 + 3^9 + 0^0 + 0^1$	$35432 := -3^1 + 5^6 - 4^0 + 3^9 + 2^7$	$35739 := -3^3 + 5^1 + 7^5 + 3^9 - 9^3$
$35301 := -3^2 + 5^6 + 3^9 + 0^0 + 1^0$	$35434 := -3^2 - 5^4 + 4^0 + 3^9 + 4^7$	$35754 := -3^6 - 5^1 + 7^6 - 5^6 - 4^8$
$35302 := -3^1 + 5^6 + 3^9 + 0^0 - 2^2$	$35438 := -3^1 - 5^4 + 4^7 + 3^9 - 8^0$	$35758 := -3^1 - 5^3 - 7^1 + 5^5 + 8^5$
$35303 := -3^1 + 5^6 - 3^1 + 0^0 + 3^9$	$35443 := -3^1 - 5^4 + 4^1 + 4^7 + 3^9$	$35763 := -3^6 + 5^0 + 7^5 + 6^0 + 3^9$
$35304 := -3^1 + 5^6 + 3^9 + 0^1 - 4^0$	$35446 := -3^5 + 5^6 - 4^6 + 4^7 + 6^5$	$35768 := -3^3 + 5^4 + 7^4 + 6^0 + 8^5$
$35305 := -3^1 - 5^0 + 3^9 + 0^0 + 5^6$	$35449 := -3^3 + 5^7 + 4^2 + 4^7 - 9^5$	$35773 := -3^1 - 5^2 + 7^5 + 7^5 + 3^7$
$35306 := -3^1 + 5^6 + 3^9 + 0^1 + 6^0$	$35462 := -3^8 - 5^2 - 4^6 + 6^6 - 2^9$	$35777 := -3^5 + 5^1 + 7^4 + 7^5 + 7^5$
$35307 := -3^1 + 5^6 + 3^9 + 0^0 + 7^0$	$35467 := -3^1 - 5^6 + 4^6 + 6^6 + 7^3$	$35778 := -3^2 + 5^4 - 7^1 + 7^4 + 8^5$
$35308 := -3^2 + 5^6 + 3^9 + 0^0 + 8^1$	$35469 := -3^3 + 5^7 + 4^7 + 6^2 - 9^5$	$35783 := -3^4 - 5^4 + 7^5 - 8^0 + 3^9$
$35309 := -3^2 + 5^6 + 3^9 + 0^0 + 9^1$	$35475 := -3^4 + 5^5 - 4^0 + 7^5 + 5^6$	$35784 := -3^2 + 5^4 + 7^4 + 8^5 - 4^0$
$35314 := -3^6 - 5^2 + 3^9 + 1^0 + 4^7$	$35482 := -3^3 + 5^5 - 4^4 + 8^5 - 2^7$	$35786 := -3^2 + 5^4 + 7^4 + 8^5 + 6^0$
$35320 := -3^1 + 5^6 + 3^9 + 2^4 - 0^0$	$35483 := -3^3 - 5^4 + 4^6 + 8^5 - 3^6$	$35791 := -3^9 - 5^5 + 7^6 - 9^5 - 1^0$
$35322 := -3^1 + 5^6 + 3^9 + 2^0 + 2^4$	$35484 := -3^6 + 5^5 + 4^3 + 8^5 + 4^4$	$35793 := -3^4 - 5^4 + 7^5 + 9^1 + 3^9$
$35325 := -3^2 + 5^2 + 3^9 + 2^0 + 5^6$	$35485 := -3^2 + 5^4 - 4^5 + 8^5 + 5^5$	$35798 := -3^8 + 5^3 - 7^5 + 9^5 - 8^1$
$35331 := -3^1 + 5^6 + 3^3 + 3^9 - 1^0$	$35486 := -3^4 - 5^0 + 4^6 + 8^5 - 6^4$	$35802 := -3^3 + 5^5 + 8^5 + 0^1 - 2^6$
$35332 := -3^2 + 5^6 + 3^0 + 3^9 + 2^5$	$35487 := -3^4 - 5^4 + 4^5 + 8^5 + 7^4$	$35803 := -3^2 + 5^5 + 8^5 + 0^1 - 3^4$
$35333 := -3^1 + 5^6 + 3^0 + 3^3 + 3^9$	$35532 := -3^3 - 5^1 + 5^6 + 3^9 + 2^8$	$35806 := -3^4 + 5^5 + 8^5 + 0^1 - 6^1$
$35334 := -3^1 - 5^0 - 3^6 + 3^9 + 4^7$	$35592 := -3^7 + 5^6 + 5^6 + 9^4 - 2^5$	$35809 := -3^1 + 5^5 + 8^5 + 0^1 - 9^2$
$35336 := -3^2 + 5^6 + 3^0 + 3^9 + 6^2$	$35596 := -3^3 - 5^2 - 5^6 + 9^5 - 6^5$	$35812 := -3^4 + 5^5 + 8^5 + 1^0 - 2^0$
$35337 := -3^1 + 5^6 + 3^4 + 3^9 - 7^2$	$35628 := -3^4 + 5^5 - 6^3 + 2^5 + 8^5$	$35814 := -3^4 + 5^5 + 8^5 + 1^0 + 4^0$
$35338 := -3^5 + 5^4 + 3^0 + 3^7 + 8^5$	$35629 := -3^1 - 5^6 - 6^5 - 2^4 + 9^5$	$35820 := -3^4 + 5^5 + 8^5 + 2^3 + 0^1$
$35340 := -3^6 + 5^0 + 3^9 + 4^7 + 0^0$	$35635 := -3^9 - 5^5 + 6^0 - 3^9 + 5^7$	$35821 := -3^4 + 5^5 + 8^5 + 2^3 + 1^0$
$35342 := -3^6 + 5^1 + 3^9 + 4^7 - 2^0$	$35637 := -3^6 - 5^3 + 6^0 + 3^9 + 7^5$	$35822 := -3^2 + 5^5 + 8^5 + 2^1 - 2^6$
$35344 := -3^3 + 5^6 + 3^9 + 4^3 - 4^0$	$35643 := -3^1 + 5^7 - 6^6 + 4^6 + 3^4$	$35823 := -3^4 + 5^5 + 8^5 + 2^1 + 3^2$
$35346 := -3^3 + 5^6 + 3^9 + 4^3 + 6^0$	$35644 := -3^5 + 5^5 - 6^1 + 4^7 + 4^7$	$35824 := -3^2 + 5^5 + 8^5 + 2^2 - 4^3$
$35351 := -3^4 + 5^3 + 3^9 + 5^6 - 1^0$	$35648 := -3^5 + 5^5 - 6^1 + 4^1 + 8^5$	$35825 := -3^1 - 5^0 + 8^5 - 2^6 + 5^5$
$35353 := -3^4 + 5^3 + 3^0 + 5^6 + 3^9$	$35649 := -3^1 - 5^6 - 6^5 + 4^1 + 9^5$	$35826 := -3^4 + 5^5 + 8^5 + 2^3 + 6^1$
$35355 := -3^1 + 5^2 + 3^9 + 5^2 + 5^6$	$35664 := -3^3 - 5^5 - 6^5 + 6^6 - 4^3$	$35827 := -3^4 + 5^5 + 8^5 + 2^3 + 7^1$
$35357 := -3^3 + 5^3 + 3^9 + 5^6 - 7^2$	$35667 := -3^4 - 5^5 - 6^5 + 6^6 - 7^1$	$35828 := -3^1 + 5^5 - 8^2 + 2^1 + 8^5$

$35829 := -3^4 + 5^5 + 8^5 + 2^3 + 9^1$	$35938 := -3^3 + 5^5 - 9^1 + 3^4 + 8^5$	$36475 := -3^6 - 6^4 - 4^5 + 7^6 - 5^7$
$35837 := -3^3 - 5^4 - 8^0 + 3^9 + 7^5$	$35939 := -3^9 + 5^5 - 9^4 + 3^2 + 9^5$	$36478 := -3^1 + 6^4 + 4^2 + 7^4 + 8^5$
$35838 := -3^4 + 5^5 - 8^0 + 3^3 + 8^5$	$35948 := -3^3 + 5^5 + 9^2 + 4^0 + 8^5$	$36485 := -3^9 + 6^5 - 4^0 + 8^5 + 5^6$
$35842 := -3^1 + 5^5 + 8^5 + 4^2 - 2^6$	$35954 := -3^8 - 5^2 + 9^5 - 5^3 - 4^7$	$36496 := -3^8 - 6^5 + 4^6 + 9^2 + 6^6$
$35843 := -3^3 + 5^5 + 8^5 + 4^1 - 3^3$	$35976 := -3^9 - 5^5 + 9^5 - 7^2 - 6^3$	$36522 := -3^8 + 6^6 - 5^5 + 2^6 - 2^9$
$35844 := -3^4 + 5^5 + 8^5 + 4^2 + 4^2$	$35978 := -3^1 + 5^5 + 9^2 + 7^1 + 8^5$	$36547 := -3^8 + 6^6 - 5^5 + 4^7 - 7^5$
$35845 := -3^3 - 5^1 + 8^5 - 4^2 + 5^5$	$35979 := -3^9 - 5^5 + 9^2 - 7^3 + 9^5$	$36548 := -3^2 - 6^5 + 5^7 - 4^5 - 8^5$
$35846 := -3^3 + 5^5 + 8^5 + 4^2 - 6^2$	$35984 := -3^9 - 5^5 + 9^5 - 8^0 - 4^4$	$36562 := -3^7 - 6^5 + 5^3 + 6^6 - 2^8$
$35847 := -3^4 - 5^6 + 8^5 + 4^7 + 7^4$	$35994 := -3^9 - 5^1 + 9^3 + 9^5 - 4^6$	$36564 := -3^7 - 6^5 - 5^3 + 6^6 - 4^1$
$35849 := -3^3 + 5^5 + 8^5 + 4^3 - 9^2$	$35995 := -3^5 - 5^4 - 9^4 + 9^5 - 5^6$	$36567 := -3^7 - 6^5 - 5^3 + 6^6 - 7^0$
$35853 := -3^4 + 5^4 + 8^0 + 5^6 + 3^9$	$35998 := -3^9 - 5^0 + 9^3 + 9^5 - 8^4$	$36569 := -3^7 - 6^5 - 5^3 + 6^6 + 9^0$
$35858 := -3^2 - 5^2 - 8^0 + 5^5 + 8^5$	$36034 := -3^3 - 6^1 + 0^1 + 3^9 + 4^7$	$36583 := -3^1 - 6^2 + 5^5 + 8^5 + 3^6$
$35862 := -3^1 + 5^5 + 8^5 + 6^2 - 2^6$	$36128 := -3^8 + 6^6 + 1^0 + 2^7 - 8^4$	$36584 := -3^5 - 6^2 - 5^0 + 8^5 + 4^6$
$35863 := -3^1 + 5^5 + 8^5 + 6^3 - 3^5$	$36233 := -3^8 + 6^6 + 2^9 + 3^7 - 3^8$	$36585 := -3^6 + 6^4 + 5^3 + 8^5 + 5^5$
$35864 := -3^4 + 5^5 + 8^5 + 6^2 + 4^2$	$36234 := -3^4 + 6^3 + 2^5 + 3^9 + 4^7$	$36587 := -3^1 + 6^4 + 5^3 + 8^5 + 7^4$
$35865 := -3^2 - 5^2 + 8^5 + 6^1 + 5^5$	$36237 := -3^1 + 6^1 - 2^8 + 3^9 + 7^5$	$36589 := -3^3 - 6^1 + 5^5 + 8^5 + 9^3$
$35866 := -3^3 + 5^5 + 8^5 + 6^0 - 6^0$	$36238 := -3^2 + 6^4 - 2^2 + 3^7 + 8^5$	$36613 := -3^4 - 6^5 + 6^6 + 1^0 - 3^7$
$35867 := -3^4 + 5^5 + 8^5 + 6^1 + 7^2$	$36243 := -3^4 + 6^0 + 2^8 + 4^7 + 3^9$	$36628 := -3^7 - 6^5 + 6^6 - 2^0 - 8^2$
$35868 := -3^3 + 5^5 + 8^0 + 6^0 + 8^5$	$36273 := -3^1 - 6^3 + 2^1 + 7^5 + 3^9$	$36632 := -3^7 - 6^5 + 6^6 + 3^1 - 2^6$
$35872 := -3^3 + 5^5 + 8^5 + 7^1 - 2^0$	$36278 := -3^8 + 6^6 - 2^6 + 7^3 - 8^4$	$36638 := -3^7 - 6^5 + 6^6 + 3^2 - 8^2$
$35874 := -3^3 + 5^5 + 8^5 + 7^1 + 4^0$	$36294 := -3^3 + 6^6 - 2^9 + 9^4 - 4^7$	$36639 := -3^7 - 6^4 + 6^6 + 3^3 - 9^4$
$35879 := -3^1 + 5^7 - 8^0 + 7^5 - 9^5$	$36297 := -3^4 + 6^6 - 2^5 + 9^4 - 7^5$	$36652 := -3^7 - 6^5 + 6^6 - 5^2 - 2^4$
$35881 := -3^1 + 5^5 - 8^1 + 8^5 - 1^0$	$36342 := -3^5 + 6^1 + 3^9 + 4^7 + 2^9$	$36653 := -3^4 - 6^4 - 6^6 + 5^7 + 3^8$
$35882 := -3^1 + 5^5 + 8^1 + 8^5 - 2^4$	$36343 := -3^1 + 6^2 + 3^5 + 4^7 + 3^9$	$36654 := -3^7 - 6^5 + 6^6 + 5^2 - 4^3$
$35883 := -3^1 + 5^5 - 8^1 + 8^5 + 3^0$	$36344 := -3^1 + 6^3 + 3^9 + 4^3 + 4^7$	$36656 := -3^7 - 6^2 - 6^5 - 5^0 + 6^6$
$35884 := -3^2 + 5^5 + 8^0 + 8^5 - 4^0$	$36347 := -3^3 - 6^2 + 3^9 + 4^7 + 7^3$	$36659 := -3^6 + 6^6 + 6^6 + 5^5 - 9^5$
$35884 := -3^2 + 5^5 - 8^0 + 8^5 + 4^0$	$36348 := -3^1 + 6^3 - 3^6 + 4^6 + 8^5$	$36662 := -3^7 + 6^0 - 6^5 + 6^6 - 2^5$
$35885 := -3^6 - 5^3 + 8^4 + 8^5 - 5^3$	$36357 := -3^9 - 6^0 - 3^9 + 5^7 - 7^4$	$36673 := -3^3 - 6^1 + 6^3 + 7^5 + 3^9$
$35886 := -3^2 + 5^5 + 8^0 + 8^5 + 6^0$	$36367 := -3^4 - 6^1 + 3^9 - 6^2 + 7^5$	$36675 := -3^7 - 6^5 + 6^6 + 7^1 - 5^2$
$35887 := -3^2 - 5^4 + 8^4 + 8^5 - 7^3$	$36369 := -3^4 + 6^6 + 3^7 + 6^6 - 9^5$	$36678 := -3^1 + 6^3 + 6^4 + 7^4 + 8^5$
$35888 := -3^1 + 5^5 - 8^0 + 8^5 - 8^0$	$36372 := -3^4 - 6^2 + 3^9 + 7^5 - 2^0$	$36683 := -3^2 - 6^5 + 6^6 - 8^0 - 3^7$
$35889 := -3^1 + 5^5 + 8^1 + 8^5 - 9^1$	$36374 := -3^4 - 6^2 + 3^9 + 7^5 + 4^0$	$36684 := -3^7 - 6^5 + 6^6 - 8^1 - 4^0$
$35890 := -3^1 + 5^5 + 8^5 + 9^0 - 0^0$	$36384 := -3^5 + 6^1 - 3^5 + 8^5 + 4^6$	$36686 := -3^7 - 6^1 - 6^5 - 8^0 + 6^6$
$35892 := -3^1 + 5^5 + 8^5 + 9^0 + 2^0$	$36385 := -3^5 + 6^1 + 3^6 + 8^5 + 5^5$	$36687 := -3^7 - 6^5 + 6^6 + 8^0 - 7^1$
$35894 := -3^2 + 5^5 + 8^5 + 9^1 + 4^0$	$36386 := -3^4 + 6^3 + 3^7 + 8^5 + 6^4$	$36691 := -3^7 - 6^5 + 6^6 - 9^0 - 1^0$
$35896 := -3^9 + 5^4 - 8^4 + 9^5 + 6^0$	$36387 := -3^1 - 6^2 + 3^9 - 8^2 + 7^5$	$36692 := -3^7 - 6^5 + 6^6 + 9^0 - 2^1$
$35897 := -3^9 - 5^5 - 8^0 + 9^5 - 7^3$	$36416 := -3^8 - 6^5 + 4^6 + 1^0 + 6^6$	$36693 := -3^2 - 6^5 + 6^6 + 9^1 - 3^7$
$35898 := -3^1 + 5^5 - 8^0 + 9^1 + 8^5$	$36436 := -3^7 - 6^5 - 4^4 - 3^0 + 6^6$	$36695 := -3^7 - 6^5 + 6^6 + 9^0 + 5^0$
$35933 := -3^8 + 5^5 + 9^5 + 3^1 - 3^9$	$36437 := -3^2 + 6^2 + 4^7 + 3^9 + 7^3$	$36696 := -3^7 - 6^1 - 6^5 + 9^1 + 6^6$
$35934 := -3^2 - 5^3 + 9^0 + 3^9 + 4^7$	$36458 := -3^5 - 6^3 + 4^5 + 5^5 + 8^5$	$36703 := -3^1 + 6^3 + 7^5 + 0^1 + 3^9$
$35937 := -3^2 - 5^4 + 9^2 + 3^9 + 7^5$	$36473 := -3^3 + 6^1 + 4^1 + 7^5 + 3^9$	$36723 := -3^5 - 6^2 + 7^5 + 2^9 + 3^9$

$$\begin{aligned}
36726 &:= -3^2 - 6^5 - 7^4 + 2^8 + 6^6 & 36967 &:= -3^2 - 6^6 + 9^5 + 6^5 + 7^5 & 37540 &:= -3^9 - 7^5 + 5^7 - 4^6 + 0^0 \\
36743 &:= -3^2 + 6^1 + 7^5 + 4^4 + 3^9 & 36972 &:= -3^9 - 6^0 + 9^5 - 7^4 + 2^3 & 37553 &:= -3^7 + 7^5 + 5^3 + 5^5 + 3^9 \\
36746 &:= -3^7 - 6^5 + 7^2 + 4^1 + 6^6 & 36973 &:= -3^9 - 6^0 + 9^5 - 7^4 + 3^2 & 37559 &:= -3^9 - 7^5 - 5^4 + 5^6 + 9^5 \\
36748 &:= -3^4 - 6^2 + 7^0 + 4^6 + 8^5 & 36976 &:= -3^8 - 6^0 + 9^5 - 7^5 + 6^4 & 37568 &:= -3^8 - 7^4 - 5^3 + 6^6 - 8^0 \\
36764 &:= -3^7 - 6^5 + 7^1 + 6^6 + 4^3 & 37029 &:= -3^9 - 7^4 + 0^1 + 2^6 + 9^5 & 37573 &:= -3^7 - 7^1 - 5^7 + 7^6 + 3^5 \\
36783 &:= -3^1 - 6^3 + 7^5 + 8^3 + 3^9 & 37035 &:= -3^4 + 7^5 + 0^0 + 3^9 + 5^4 & 37576 &:= -3^8 - 7^4 - 5^3 + 7^1 + 6^6 \\
36784 &:= -3^4 - 6^1 + 7^1 + 8^5 + 4^6 & 37044 &:= -3^5 + 7^5 + 0^1 + 4^6 + 4^7 & 37589 &:= -3^9 - 7^4 + 5^4 - 8^0 + 9^5 \\
36788 &:= -3^1 + 6^5 + 7^3 + 8^5 - 8^4 & 37092 &:= -3^9 - 7^4 - 0^0 + 9^5 + 2^7 & 37590 &:= -3^9 - 7^4 + 5^4 + 9^5 + 0^1 \\
36798 &:= -3^7 - 6^0 - 7^3 + 9^4 + 8^5 & 37139 &:= -3^4 + 7^5 + 1^0 + 3^9 + 9^3 & 37591 &:= -3^9 - 7^4 + 5^4 + 9^5 + 1^0 \\
36818 &:= -3^2 - 6^2 + 8^4 - 1^0 + 8^5 & 37193 &:= -3^3 + 7^5 + 1^0 + 9^3 + 3^9 & 37592 &:= -3^9 - 7^4 + 5^4 + 9^5 + 2^1 \\
36824 &:= -3^1 - 6^2 + 8^5 - 2^0 + 4^6 & 37225 &:= -3^7 + 7^6 - 2^7 + 2^4 - 5^7 & 37593 &:= -3^8 + 7^0 - 5^6 + 9^5 + 3^6 \\
36828 &:= -3^1 - 6^0 + 8^4 - 2^5 + 8^5 & 37229 &:= -3^9 - 7^4 + 2^3 + 2^8 + 9^5 & 37594 &:= -3^7 + 7^6 - 5^7 + 9^0 + 4^4 \\
36834 &:= -3^1 - 6^2 + 8^5 + 3^2 + 4^6 & 37244 &:= -3^3 + 7^5 - 2^4 + 4^6 + 4^7 & 37595 &:= -3^9 - 7^4 + 5^1 + 9^5 + 5^4 \\
36835 &:= -3^1 + 6^3 + 8^5 + 3^6 + 5^5 & 37246 &:= -3^8 - 7^4 - 2^9 + 4^3 + 6^6 & 37596 &:= -3^1 + 7^1 - 5^6 + 9^4 + 6^6 \\
36838 &:= -3^5 + 6^3 + 8^4 + 3^0 + 8^5 & 37263 &:= -3^8 - 7^4 - 2^9 + 6^6 + 3^4 & 37597 &:= -3^9 + 7^1 + 5^4 + 9^5 - 7^4 \\
36842 &:= -3^3 + 6^0 + 8^5 + 4^6 + 2^2 & 37283 &:= -3^2 + 7^4 - 2^6 + 8^5 + 3^7 & 37598 &:= -3^9 - 7^4 + 5^4 + 9^5 + 8^1 \\
36844 &:= -3^1 - 6^0 + 8^5 - 4^2 + 4^6 & 37286 &:= -3^6 - 7^4 - 2^7 + 8^5 + 6^5 & 37599 &:= -3^8 + 7^1 - 5^6 + 9^3 + 9^5 \\
36847 &:= -3^2 - 6^0 + 8^5 + 4^6 - 7^1 & 37287 &:= -3^3 + 7^4 - 2^8 + 8^5 + 7^4 & 37622 &:= -3^8 - 7^4 + 6^6 - 2^3 - 2^6 \\
36848 &:= -3^2 + 6^0 - 8^1 + 4^6 + 8^5 & 37288 &:= -3^4 - 7^1 + 2^9 + 8^4 + 8^5 & 37625 &:= -3^8 - 7^4 + 6^6 - 2^6 - 5^1 \\
36851 &:= -3^6 - 6^5 - 8^5 + 5^7 - 1^0 & 37289 &:= -3^6 - 7^5 - 2^7 - 8^4 + 9^5 & 37626 &:= -3^1 - 7^5 + 6^5 + 2^2 + 6^6 \\
36852 &:= -3^4 + 6^4 + 8^5 + 5^5 - 2^8 & 37335 &:= -3^1 + 7^6 - 3^7 + 3^0 - 5^7 & 37628 &:= -3^1 - 7^4 + 6^5 - 2^9 + 8^5 \\
36853 &:= -3^6 - 6^5 - 8^5 + 5^7 + 3^0 & 37338 &:= -3^2 + 7^4 - 3^2 + 3^7 + 8^5 & 37629 &:= -3^4 - 7^4 + 6^6 + 2^4 - 9^4 \\
36854 &:= -3^1 - 6^1 + 8^5 - 5^0 + 4^6 & 37348 &:= -3^2 + 7^4 + 3^7 + 4^0 + 8^5 & 37647 &:= -3^3 + 7^5 - 6^2 + 4^6 + 7^5 \\
36859 &:= -3^2 + 6^7 - 8^6 + 5^7 - 9^5 & 37353 &:= -3^7 + 7^2 + 3^9 + 5^3 + 3^9 & 37662 &:= -3^3 - 7^5 + 6^5 + 6^6 + 2^6 \\
36868 &:= -3^1 + 6^0 + 8^4 + 6^1 + 8^5 & 37356 &:= -3^8 - 7^3 + 3^6 - 5^5 + 6^6 & 37682 &:= -3^8 - 7^4 + 6^6 - 8^1 - 2^2 \\
36874 &:= -3^1 + 6^1 + 8^5 + 7^1 + 4^6 & 37357 &:= -3^2 - 7^3 + 3^9 + 5^6 + 7^4 & 37683 &:= -3^1 - 7^4 + 6^6 - 8^1 - 3^8 \\
36877 &:= -3^6 + 6^2 + 8^5 + 7^4 + 7^4 & 37358 &:= -3^1 + 7^4 + 3^7 + 5^1 + 8^5 & 37684 &:= -3^9 + 7^5 + 6^5 + 8^5 + 4^2 \\
36883 &:= -3^2 + 6^0 + 8^4 + 8^5 + 3^3 & 37365 &:= -3^7 + 7^6 + 3^3 + 6^0 - 5^7 & 37685 &:= -3^8 - 7^4 + 6^6 - 8^1 - 5^0 \\
36885 &:= -3^1 - 6^0 + 8^4 + 8^5 + 5^2 & 37378 &:= -3^3 + 7^2 + 3^7 + 7^4 + 8^5 & 37686 &:= -3^1 - 7^5 + 6^5 + 8^2 + 6^6 \\
36887 &:= -3^3 + 6^0 + 8^4 + 8^5 + 7^2 & 37393 &:= -3^7 + 7^4 - 3^7 + 9^5 - 3^9 & 37687 &:= -3^8 - 7^4 + 6^6 - 8^1 + 7^0 \\
36892 &:= -3^7 + 6^1 + 8^5 + 9^4 - 2^8 & 37394 &:= -3^4 + 7^5 + 3^9 + 9^3 + 4^4 & 37690 &:= -3^1 - 7^4 + 6^6 - 9^4 - 0^0 \\
36893 &:= -3^5 - 6^1 + 8^5 + 9^4 - 3^7 & 37396 &:= -3^7 + 7^0 - 3^9 + 9^5 + 6^3 & 37692 &:= -3^1 - 7^4 + 6^6 - 9^4 + 2^0 \\
36894 &:= -3^1 + 6^6 + 8^2 + 9^4 - 4^7 & 37432 &:= -3^4 + 7^5 + 4^5 + 3^9 - 2^0 & 37693 &:= -3^9 - 7^4 - 6^0 + 9^5 + 3^6 \\
36898 &:= -3^1 + 6^2 + 8^4 + 9^0 + 8^5 & 37434 &:= -3^4 + 7^5 + 4^0 + 3^9 + 4^5 & 37694 &:= -3^8 - 7^4 + 6^6 - 9^0 + 4^0 \\
36924 &:= -3^9 + 6^6 - 9^4 + 2^7 + 4^7 & 37463 &:= -3^5 + 7^3 + 4^7 + 6^4 + 3^9 & 37696 &:= -3^8 - 7^4 + 6^0 + 9^0 + 6^6 \\
36927 &:= -3^9 - 6^1 + 9^5 - 2^5 - 7^4 & 37485 &:= -3^1 - 7^0 + 4^6 + 8^5 + 5^4 & 37708 &:= -3^1 + 7^5 + 7^5 + 0^0 + 8^4 \\
36928 &:= -3^7 - 6^3 + 9^4 + 2^1 + 8^5 & 37486 &:= -3^1 + 7^4 + 4^5 + 8^5 + 6^4 & 37732 &:= -3^7 + 7^5 + 7^5 + 3^8 - 2^8 \\
36937 &:= -3^3 - 6^0 + 9^5 - 3^9 - 7^4 & 37489 &:= -3^7 + 7^3 + 4^1 + 8^5 + 9^4 & 37734 &:= -3^1 + 7^5 + 7^5 + 3^3 + 4^6 \\
36948 &:= -3^1 + 6^1 + 9^2 + 4^6 + 8^5 & 37534 &:= -3^4 + 7^6 - 5^7 + 3^7 - 4^6 & 37754 &:= -3^2 + 7^5 + 7^5 + 5^5 + 4^5 \\
36963 &:= -3^6 - 6^3 - 9^4 + 6^6 - 3^7 & 37537 &:= -3^6 + 7^4 - 5^4 + 3^9 + 7^5 & 37794 &:= -3^2 - 7^3 - 7^5 + 9^5 - 4^6 \\
36965 &:= -3^8 - 6^1 + 9^0 + 6^6 - 5^5 & 37538 &:= -3^9 - 7^5 + 5^7 - 3^0 - 8^4 & 37868 &:= -3^5 - 7^2 + 8^4 + 6^4 + 8^5
\end{aligned}$$

$37884 := -3^1 - 7^0 + 8^4 + 8^5 + 4^5$	$38393 := -3^5 - 8^0 - 3^6 + 9^5 - 3^9$	$38636 := -3^7 + 8^5 + 6^2 + 3^5 + 6^5$
$37904 := -3^5 - 7^5 + 9^5 + 0^0 - 4^6$	$38436 := -3^3 - 8^4 - 4^6 - 3^0 + 6^6$	$38637 := -3^6 + 8^5 + 6^2 + 3^8 + 7^0$
$37906 := -3^7 - 7^0 - 9^4 - 0^0 + 6^6$	$38437 := -3^8 - 8^3 + 4^8 - 3^9 - 7^3$	$38639 := -3^6 + 8^5 + 6^2 + 3^1 + 9^4$
$37916 := -3^7 + 7^1 - 9^4 + 1^0 + 6^6$	$38456 := -3^1 - 8^4 - 4^6 - 5^1 + 6^6$	$38646 := -3^5 + 8^1 - 6^5 + 4^0 + 6^6$
$37932 := -3^7 - 7^5 + 9^5 - 3^7 + 2^6$	$38457 := -3^8 - 8^5 + 4^1 + 5^7 - 7^3$	$38657 := -3^6 - 8^4 + 6^6 - 5^5 - 7^2$
$37935 := -3^8 + 7^3 + 9^5 + 3^6 - 5^6$	$38459 := -3^4 - 8^5 - 4^4 + 5^7 - 9^4$	$38662 := -3^6 - 8^0 - 6^5 + 6^6 + 2^9$
$37936 := -3^7 + 7^0 - 9^4 + 3^3 + 6^6$	$38460 := -3^1 - 8^4 - 4^6 + 6^6 - 0^0$	$38663 := -3^5 - 8^0 - 6^5 + 6^6 + 3^3$
$37939 := -3^2 + 7^5 + 9^3 + 3^9 + 9^3$	$38462 := -3^1 - 8^4 - 4^6 + 6^6 + 2^0$	$38664 := -3^6 + 8^3 - 6^5 + 6^6 + 4^0$
$37954 := -3^7 - 7^5 + 9^5 - 5^5 + 4^5$	$38472 := -3^6 + 8^5 + 4^6 + 7^4 - 2^6$	$38673 := -3^3 + 8^5 + 6^5 + 7^3 - 3^7$
$37956 := -3^4 + 7^1 + 9^4 + 5^7 - 6^6$	$38473 := -3^1 + 8^1 + 4^7 + 7^4 + 3^9$	$38675 := -3^7 + 8^5 + 6^5 + 7^3 - 5^2$
$37957 := -3^8 - 7^5 + 9^5 - 5^3 + 7^4$	$38475 := -3^6 - 8^2 - 4^4 + 7^6 - 5^7$	$38678 := -3^7 - 8^4 + 6^6 + 7^4 - 8^4$
$37972 := -3^7 + 7^5 + 9^4 + 7^5 - 2^4$	$38476 := -3^3 + 8^5 + 4^6 + 7^3 + 6^4$	$38692 := -3^6 + 8^5 - 6^2 + 9^4 + 2^7$
$37979 := -3^7 + 7^5 - 9^1 + 7^5 + 9^4$	$38479 := -3^8 - 8^3 - 4^8 + 7^6 - 9^4$	$38694 := -3^7 + 8^5 + 6^4 + 9^4 + 4^4$
$37996 := -3^7 + 7^1 - 9^4 + 9^2 + 6^6$	$38489 := -3^4 - 8^4 - 4^7 + 8^0 + 9^5$	$38695 := -3^1 + 8^5 - 6^1 + 9^4 - 5^4$
$37997 := -3^7 + 7^5 + 9^1 + 9^4 + 7^5$	$38492 := -3^4 - 8^4 - 4^7 + 9^5 + 2^2$	$38725 := -3^4 + 8^5 + 7^4 + 2^9 + 5^5$
$38053 := -3^3 + 8^5 + 0^1 + 5^5 + 3^7$	$38494 := -3^8 - 8^4 - 4^7 - 9^0 + 4^8$	$38729 := -3^6 + 8^5 + 7^0 + 2^7 + 9^4$
$38069 := -3^9 - 8^0 + 0^1 - 6^4 + 9^5$	$38497 := -3^8 - 8^1 - 4^7 + 9^5 + 7^4$	$38743 := -3^5 - 8^5 - 7^3 + 4^8 + 3^8$
$38089 := -3^6 - 8^3 + 0^0 + 8^5 + 9^4$	$38499 := -3^9 - 8^2 + 4^8 - 9^3 - 9^4$	$38749 := -3^5 - 8^5 + 7^5 - 4^6 + 9^5$
$38252 := -3^8 - 8^5 - 2^5 + 5^7 - 2^9$	$38524 := -3^8 - 8^5 + 5^7 - 2^4 - 4^4$	$38753 := -3^9 + 8^0 - 7^1 + 5^7 - 3^9$
$38257 := -3^5 - 8^3 - 2^9 - 5^7 + 7^6$	$38540 := -3^8 - 8^5 + 5^7 - 4^4 + 0^1$	$38763 := -3^7 + 8^3 + 7^3 + 6^6 - 3^8$
$38275 := -3^1 + 8^5 - 2^4 + 7^4 + 5^5$	$38541 := -3^8 - 8^5 + 5^7 - 4^4 + 1^0$	$38764 := -3^7 + 8^5 + 7^3 + 6^5 + 4^3$
$38285 := -3^8 - 8^3 + 2^0 - 8^5 + 5^7$	$38542 := -3^8 - 8^5 + 5^7 - 4^4 + 2^1$	$38765 := -3^1 + 8^5 - 7^4 + 6^5 + 5^4$
$38293 := -3^5 + 8^5 - 2^6 + 9^4 - 3^6$	$38543 := -3^8 - 8^5 + 5^7 - 4^4 + 3^1$	$38768 := -3^4 - 8^4 + 7^4 + 6^5 + 8^5$
$38294 := -3^1 + 8^5 - 2^3 + 9^4 - 4^5$	$38544 := -3^8 - 8^5 + 5^7 + 4^1 - 4^4$	$38769 := -3^9 - 8^3 - 7^2 - 6^2 + 9^5$
$38324 := -3^6 + 8^5 + 3^7 + 2^1 + 4^6$	$38545 := -3^6 + 8^5 + 5^5 + 4^4 + 5^5$	$38783 := -3^3 - 8^3 - 7^1 + 8^5 + 3^8$
$38334 := -3^2 + 8^0 + 3^9 + 3^9 - 4^5$	$38546 := -3^7 + 8^5 + 5^3 + 4^3 + 6^5$	$38789 := -3^3 - 8^3 - 7^0 + 8^5 + 9^4$
$38344 := -3^6 - 8^5 + 3^8 - 4^4 + 4^8$	$38547 := -3^1 + 8^5 + 5^5 + 4^4 + 7^4$	$38795 := -3^6 - 8^0 + 7^6 + 9^0 - 5^7$
$38345 := -3^4 + 8^5 + 3^7 + 4^6 - 5^4$	$38548 := -3^8 - 8^5 + 5^7 - 4^4 + 8^1$	$38805 := -3^8 + 8^1 - 8^5 + 0^0 + 5^7$
$38346 := -3^3 + 8^5 - 3^7 + 4^2 + 6^5$	$38549 := -3^4 + 8^5 - 5^4 + 4^8 - 9^5$	$38809 := -3^2 - 8^3 + 8^5 + 0^0 + 9^4$
$38360 := -3^7 + 8^5 + 3^1 + 6^5 + 0^1$	$38563 := -3^7 + 8^5 + 5^3 + 6^4 + 3^8$	$38813 := -3^1 - 8^3 + 8^5 - 1^0 + 3^8$
$38361 := -3^7 + 8^5 + 3^1 + 6^5 + 1^0$	$38564 := -3^8 - 8^3 + 5^1 + 6^6 - 4^5$	$38829 := -3^5 - 8^0 + 8^5 - 2^8 + 9^4$
$38362 := -3^1 + 8^5 - 3^7 + 6^5 + 2^3$	$38565 := -3^6 + 8^5 - 5^4 + 6^5 - 5^4$	$38834 := -3^6 + 8^3 + 8^5 + 3^7 + 4^6$
$38363 := -3^1 + 8^5 + 3^2 + 6^5 - 3^7$	$38583 := -3^2 + 8^3 + 5^5 + 8^5 + 3^7$	$38837 := -3^4 - 8^4 + 8^5 - 3^8 + 7^5$
$38364 := -3^2 + 8^5 - 3^7 + 6^5 + 4^2$	$38586 := -3^1 - 8^4 + 5^3 - 8^4 + 6^6$	$38849 := -3^9 - 8^0 - 8^3 - 4^1 + 9^5$
$38365 := -3^7 + 8^5 + 3^1 + 6^5 + 5^1$	$38594 := -3^6 + 8^5 - 5^1 + 9^4 - 4^0$	$38852 := -3^8 - 8^1 - 8^5 + 5^7 + 2^6$
$38366 := -3^1 - 8^3 + 3^0 - 6^5 + 6^6$	$38596 := -3^6 + 8^5 - 5^1 + 9^4 + 6^0$	$38855 := -3^8 + 8^2 - 8^5 + 5^7 - 5^1$
$38367 := -3^7 + 8^5 + 3^1 + 6^5 + 7^1$	$38598 := -3^6 - 8^0 - 5^0 + 9^4 + 8^5$	$38857 := -3^1 - 8^4 - 8^5 + 5^7 - 7^4$
$38368 := -3^7 + 8^1 + 3^1 + 6^5 + 8^5$	$38614 := -3^7 + 8^5 + 6^5 + 1^0 + 4^4$	$38859 := -3^8 + 8^2 - 8^5 + 5^7 - 9^0$
$38369 := -3^7 + 8^5 + 3^1 + 6^5 + 9^1$	$38632 := -3^6 + 8^5 + 6^2 + 3^8 - 2^2$	$38868 := -3^7 - 8^0 + 8^3 + 6^5 + 8^5$
$38383 := -3^6 + 8^3 - 3^6 + 8^5 + 3^8$	$38633 := -3^1 + 8^5 + 6^2 + 3^8 - 3^6$	$38869 := -3^5 - 8^0 + 8^5 - 6^3 + 9^4$
$38386 := -3^4 - 8^4 + 3^1 - 8^4 + 6^6$	$38635 := -3^6 + 8^5 + 6^2 + 3^8 - 5^0$	$38876 := -3^7 + 8^3 + 8^5 + 7^1 + 6^5$

$38879 := -3^6 - 8^2 + 8^5 + 7^3 + 9^4$	$39174 := -3^9 - 9^5 + 1^0 + 7^6 + 4^4$	$39312 := -3^9 + 9^5 + 3^2 + 1^0 - 2^6$
$38894 := -3^5 + 8^2 + 8^5 + 9^4 - 4^4$	$39192 := -3^9 + 9^2 + 1^0 + 9^5 - 2^8$	$39313 := -3^3 + 9^5 - 3^3 + 1^0 - 3^9$
$38896 := -3^6 + 8^3 + 8^5 + 9^4 - 6^3$	$39222 := -3^9 + 9^5 - 2^4 + 2^7 - 2^8$	$39315 := -3^3 + 9^5 - 3^9 + 1^0 - 5^2$
$38897 := -3^4 - 8^1 + 8^5 + 9^4 - 7^3$	$39223 := -3^4 + 9^5 - 2^6 + 2^1 - 3^9$	$39317 := -3^9 + 9^5 - 3^0 + 1^0 - 7^2$
$38917 := -3^9 - 8^0 - 9^5 + 1^0 + 7^6$	$39224 := -3^9 - 9^4 - 2^2 - 2^6 + 4^8$	$39318 := -3^1 - 9^1 + 3^8 + 1^0 + 8^5$
$38922 := -3^9 + 8^2 + 9^5 + 2^2 - 2^9$	$39225 := -3^9 + 9^5 - 2^5 + 2^4 - 5^3$	$39324 := -3^3 + 9^5 - 3^9 + 2^0 - 4^2$
$38925 := -3^8 - 8^5 + 9^0 + 2^7 + 5^7$	$39229 := -3^9 - 9^0 - 2^3 - 2^7 + 9^5$	$39327 := -3^6 + 9^5 - 3^7 + 2^0 - 7^5$
$38927 := -3^9 + 8^1 - 9^5 + 2^1 + 7^6$	$39238 := -3^2 - 9^2 - 2^0 + 3^8 + 8^5$	$39328 := -3^1 + 9^0 + 3^8 + 2^0 + 8^5$
$38928 := -3^4 - 8^2 + 9^4 - 2^8 + 8^5$	$39240 := -3^9 + 9^5 - 2^7 + 4^0 + 0^0$	$39329 := -3^3 - 9^1 - 3^9 - 2^0 + 9^5$
$38934 := -3^9 - 8^3 + 9^5 + 3^4 - 4^0$	$39241 := -3^9 + 9^5 - 2^7 + 4^1 - 1^0$	$39330 := -3^3 - 9^1 + 3^9 + 3^9 + 0^1$
$38936 := -3^9 - 8^3 + 9^5 + 3^4 + 6^0$	$39242 := -3^9 + 9^5 - 2^6 + 4^1 - 2^6$	$39331 := -3^3 - 9^1 + 3^9 + 3^9 + 1^0$
$38943 := -3^3 + 8^5 - 9^2 + 4^6 + 3^7$	$39243 := -3^4 - 9^4 + 2^5 + 4^8 - 3^9$	$39332 := -3^1 + 9^0 + 3^9 + 3^9 - 2^5$
$38947 := -3^6 + 8^5 + 9^4 + 4^1 + 7^3$	$39244 := -3^4 + 9^4 - 2^2 + 4^7 + 4^7$	$39333 := -3^2 + 9^5 - 3^3 + 3^1 - 3^9$
$38948 := -3^5 - 8^2 - 9^5 + 4^8 + 8^5$	$39246 := -3^4 - 9^4 + 2^8 - 4^5 + 6^6$	$39334 := -3^3 - 9^0 + 3^9 + 3^9 - 4^1$
$38956 := -3^9 - 8^0 + 9^5 - 5^4 + 6^3$	$39247 := -3^8 - 9^4 + 2^8 - 4^8 + 7^6$	$39335 := -3^2 + 9^5 - 3^9 + 3^1 - 5^2$
$38965 := -3^9 + 8^1 + 9^5 + 6^3 - 5^4$	$39248 := -3^1 - 9^5 - 2^2 + 4^8 + 8^5$	$39336 := -3^1 + 9^1 + 3^9 + 3^9 - 6^2$
$38966 := -3^1 + 8^1 + 9^2 + 6^6 - 6^5$	$39249 := -3^9 - 9^2 - 2^5 - 4^1 + 9^5$	$39337 := -3^3 - 9^0 + 3^9 + 3^9 - 7^0$
$38967 := -3^9 - 8^4 + 9^5 + 6^4 + 7^4$	$39259 := -3^9 - 9^2 - 2^0 - 5^2 + 9^5$	$39338 := -3^1 + 9^1 + 3^1 + 3^8 + 8^5$
$38968 := -3^4 - 8^2 + 9^4 - 6^3 + 8^5$	$39262 := -3^9 + 9^5 - 2^6 + 6^3 - 2^8$	$39339 := -3^2 - 9^1 - 3^2 - 3^9 + 9^5$
$38979 := -3^9 - 8^0 - 9^3 + 7^3 + 9^5$	$39264 := -3^9 - 9^4 + 2^3 - 6^2 + 4^8$	$39340 := -3^3 + 9^5 - 3^9 + 4^0 + 0^1$
$38982 := -3^3 - 8^2 + 9^4 + 8^5 - 2^8$	$39266 := -3^6 - 9^4 - 2^6 - 6^2 + 6^6$	$39341 := -3^3 + 9^5 - 3^9 + 4^0 + 1^0$
$38984 := -3^4 - 8^1 + 9^4 + 8^5 - 4^4$	$39267 := -3^9 + 9^5 - 2^7 + 6^2 - 7^1$	$39342 := -3^2 + 9^5 - 3^9 + 4^0 - 2^4$
$38986 := -3^5 - 8^2 + 9^4 + 8^5 - 6^2$	$39268 := -3^1 + 9^4 - 2^6 + 6^1 + 8^5$	$39343 := -3^3 + 9^5 + 3^1 + 4^0 - 3^9$
$38997 := -3^9 - 8^0 + 9^2 - 9^5 + 7^6$	$39269 := -3^4 - 9^3 - 2^4 + 6^6 - 9^4$	$39344 := -3^3 + 9^5 - 3^9 + 4^0 + 4^1$
$39027 := -3^9 + 9^5 + 0^1 + 2^2 - 7^3$	$39279 := -3^9 - 9^2 + 2^0 - 7^1 + 9^5$	$39345 := -3^3 + 9^5 - 3^9 + 4^0 + 5^1$
$39029 := -3^9 - 9^2 + 0^1 - 2^8 + 9^5$	$39280 := -3^4 + 9^4 + 2^5 + 8^5 + 0^1$	$39346 := -3^3 + 9^5 - 3^9 + 4^0 + 6^1$
$39069 := -3^9 - 9^2 + 0^1 - 6^3 + 9^5$	$39281 := -3^4 + 9^4 + 2^5 + 8^5 + 1^0$	$39347 := -3^3 + 9^5 - 3^9 + 4^0 + 7^1$
$39082 := -3^5 + 9^4 + 0^1 + 8^5 - 2^2$	$39282 := -3^3 + 9^4 - 2^2 + 8^5 - 2^4$	$39348 := -3^2 + 9^4 + 3^3 + 4^0 + 8^5$
$39083 := -3^1 + 9^4 + 0^1 + 8^5 - 3^5$	$39283 := -3^1 + 9^4 - 2^4 + 8^5 - 3^3$	$39349 := -3^2 - 9^1 - 3^9 + 4^0 + 9^5$
$39084 := -3^5 + 9^4 - 0^0 + 8^5 - 4^0$	$39284 := -3^1 - 9^5 + 2^5 + 8^5 + 4^8$	$39352 := -3^1 + 9^5 - 3^9 + 5^1 - 2^4$
$39085 := -3^5 + 9^4 + 0^1 + 8^5 - 5^0$	$39285 := -3^1 + 9^4 - 2^4 + 8^5 - 5^2$	$39353 := -3^1 - 9^1 + 3^9 - 5^0 + 3^9$
$39086 := -3^3 + 9^4 + 0^1 + 8^5 - 6^3$	$39286 := -3^1 + 9^4 - 2^2 + 8^5 - 6^2$	$39354 := -3^2 + 9^5 - 3^9 + 5^0 - 4^1$
$39087 := -3^5 + 9^4 + 0^1 + 8^5 + 7^0$	$39287 := -3^1 + 9^4 - 2^5 + 8^5 - 7^1$	$39355 := -3^9 + 9^5 + 3^2 + 5^1 - 5^2$
$39088 := -3^5 + 9^4 + 0^0 + 8^0 + 8^5$	$39288 := -3^2 + 9^4 + 2^5 + 8^5 - 8^2$	$39356 := -3^2 - 9^3 - 3^8 - 5^0 + 6^6$
$39112 := -3^9 + 9^5 + 1^0 + 1^0 - 2^8$	$39289 := -3^2 + 9^0 - 2^5 + 8^5 + 9^4$	$39357 := -3^1 + 9^5 - 3^9 + 5^0 - 7^1$
$39123 := -3^5 + 9^5 - 1^0 + 2^0 - 3^9$	$39290 := -3^9 - 9^2 + 2^2 + 9^5 + 0^0$	$39358 := -3^1 + 9^4 + 3^3 + 5^1 + 8^5$
$39133 := -3^5 + 9^1 + 1^0 + 3^9 + 3^9$	$39292 := -3^9 - 9^1 - 2^0 + 9^5 - 2^6$	$39359 := -3^1 - 9^1 - 3^9 + 5^1 + 9^5$
$39156 := -3^9 + 9^5 + 1^0 + 5^1 - 6^3$	$39293 := -3^4 + 9^1 - 2^0 + 9^5 - 3^9$	$39362 := -3^1 - 9^3 - 3^8 + 6^6 - 2^0$
$39159 := -3^9 - 9^2 - 1^0 - 5^3 + 9^5$	$39294 := -3^9 - 9^1 + 2^0 + 9^5 - 4^3$	$39363 := -3^1 - 9^0 + 3^9 + 6^0 + 3^9$
$39172 := -3^9 - 9^5 - 1^0 + 7^6 + 2^8$	$39302 := -3^4 + 9^5 - 3^9 + 0^0 + 2^4$	$39364 := -3^1 - 9^3 - 3^8 + 6^6 + 4^0$
$39173 := -3^5 + 9^5 + 1^0 + 7^2 - 3^9$	$39304 := -3^9 + 9^5 + 3^0 + 0^0 - 4^3$	$39365 := -3^1 + 9^5 - 3^9 + 6^0 + 5^0$

$39366 := -3^6 - 9^0 - 3^8 + 6^0 + 6^6$	$39430 := -3^9 + 9^5 - 4^2 + 3^4 - 0^0$	$39552 := -3^9 + 9^5 + 5^3 + 5^3 - 2^6$
$39367 := -3^9 + 9^5 + 3^0 + 6^0 - 7^0$	$39432 := -3^9 + 9^5 + 4^0 + 3^0 + 2^6$	$39554 := -3^8 - 9^0 - 5^6 + 5^7 - 4^7$
$39367 := -3^9 + 9^5 - 3^0 + 6^0 + 7^0$	$39434 := -3^9 + 9^5 + 4^0 + 3^1 + 4^3$	$39556 := -3^8 + 9^2 - 5^4 + 5^1 + 6^6$
$39368 := -3^1 + 9^5 - 3^9 + 6^1 - 8^0$	$39438 := -3^9 + 9^5 - 4^0 + 3^2 + 8^2$	$39572 := -3^4 + 9^0 - 5^7 + 7^6 + 2^7$
$39369 := -3^9 + 9^0 + 3^0 + 6^0 + 9^5$	$39439 := -3^9 - 9^1 + 4^0 + 3^4 + 9^5$	$39573 := -3^9 + 9^5 + 5^3 + 7^0 + 3^4$
$39370 := -3^1 + 9^5 - 3^9 + 7^1 + 0^1$	$39442 := -3^9 + 9^5 - 4^1 + 4^2 + 2^6$	$39574 := -3^3 + 9^2 - 5^7 + 7^6 - 4^1$
$39371 := -3^1 + 9^5 - 3^9 + 7^1 + 1^0$	$39443 := -3^1 + 9^5 + 4^2 + 4^3 - 3^9$	$39576 := -3^9 + 9^5 + 5^3 + 7^2 + 6^2$
$39372 := -3^1 + 9^5 - 3^9 + 7^0 + 2^3$	$39445 := -3^2 + 9^4 + 4^7 + 4^7 + 5^3$	$39577 := -3^3 + 9^2 - 5^7 + 7^6 - 7^0$
$39373 := -3^1 + 9^1 + 3^9 + 7^0 + 3^9$	$39446 := -3^6 - 9^4 + 4^2 + 4^3 + 6^6$	$39578 := -3^2 - 9^0 - 5^7 + 7^6 + 8^2$
$39374 := -3^1 + 9^5 - 3^9 + 7^1 + 4^1$	$39447 := -3^9 + 9^5 + 4^2 + 4^2 + 7^2$	$39579 := -3^3 + 9^0 - 5^7 + 7^6 + 9^2$
$39375 := -3^1 + 9^5 - 3^9 + 7^1 + 5^1$	$39448 := -3^2 + 9^4 + 4^3 + 4^3 + 8^5$	$39593 := -3^9 + 9^1 - 5^2 + 9^5 + 3^5$
$39376 := -3^1 + 9^5 - 3^9 + 7^1 + 6^1$	$39449 := -3^9 + 9^2 + 4^0 + 4^0 + 9^5$	$39594 := -3^3 + 9^2 - 5^5 + 9^5 - 4^7$
$39377 := -3^1 + 9^5 - 3^9 + 7^1 + 7^1$	$39453 := -3^9 + 9^5 + 4^0 + 5^1 + 3^4$	$39595 := -3^9 + 9^3 + 5^3 + 9^5 - 5^4$
$39378 := -3^1 + 9^4 + 3^1 + 7^2 + 8^5$	$39454 := -3^9 + 9^5 - 4^0 + 5^2 + 4^3$	$39596 := -3^9 + 9^1 + 5^1 + 9^5 + 6^3$
$39379 := -3^1 + 9^1 - 3^9 + 7^1 + 9^5$	$39456 := -3^9 + 9^5 + 4^0 + 5^3 - 6^2$	$39597 := -3^2 + 9^0 - 5^7 + 9^2 + 7^6$
$39382 := -3^3 + 9^2 + 3^8 + 8^5 - 2^0$	$39462 := -3^6 - 9^4 + 4^3 + 6^6 + 2^5$	$39603 := -3^9 + 9^5 - 6^1 + 0^1 + 3^5$
$39384 := -3^3 + 9^2 + 3^8 + 8^5 + 4^0$	$39463 := -3^1 + 9^5 + 4^3 + 6^2 - 3^9$	$39606 := -3^1 + 9^3 - 6^5 + 0^1 + 6^6$
$39387 := -3^9 + 9^5 + 3^3 + 8^0 - 7^1$	$39464 := -3^4 + 9^4 + 4^7 + 6^3 + 4^7$	$39620 := -3^9 + 9^5 - 6^0 + 2^8 - 0^0$
$39391 := -3^9 - 9^0 + 3^3 + 9^5 - 1^0$	$39465 := -3^2 - 9^4 + 4^1 + 6^6 - 5^4$	$39621 := -3^6 - 9^4 + 6^6 + 2^8 - 1^0$
$39392 := -3^9 + 9^0 + 3^2 + 9^5 + 2^4$	$39466 := -3^6 - 9^4 + 4^3 + 6^2 + 6^6$	$39622 := -3^6 - 9^4 + 6^6 + 2^7 + 2^7$
$39393 := -3^2 + 9^1 + 3^3 + 9^5 - 3^9$	$39467 := -3^9 + 9^5 + 4^2 + 6^2 + 7^2$	$39623 := -3^5 - 9^4 + 6^6 - 2^8 + 3^3$
$39394 := -3^3 - 9^1 - 3^9 + 9^5 + 4^3$	$39468 := -3^1 - 9^5 + 4^8 + 6^3 + 8^5$	$39624 := -3^6 - 9^4 + 6^6 + 2^1 + 4^4$
$39395 := -3^3 + 9^2 - 3^9 + 9^5 - 5^2$	$39469 := -3^9 + 9^2 + 4^2 + 6^1 + 9^5$	$39625 := -3^9 + 9^5 + 6^1 + 2^7 + 5^3$
$39396 := -3^9 - 9^1 + 3^1 + 9^5 + 6^2$	$39478 := -3^9 + 9^5 - 4^0 + 7^2 + 8^2$	$39626 := -3^9 + 9^5 + 6^2 + 2^3 + 6^3$
$39397 := -3^2 - 9^1 - 3^9 + 9^5 + 7^2$	$39484 := -3^3 - 9^5 + 4^4 + 8^5 + 4^8$	$39627 := -3^9 + 9^5 + 6^1 + 2^8 - 7^0$
$39398 := -3^1 - 9^1 + 3^4 + 9^4 + 8^5$	$39485 := -3^5 + 9^4 + 4^5 + 8^5 - 5^4$	$39628 := -3^7 - 9^3 + 6^6 - 2^4 - 8^4$
$39402 := -3^9 + 9^5 + 4^1 + 0^1 + 2^5$	$39486 := -3^4 - 9^4 - 4^2 - 8^3 + 6^6$	$39629 := -3^9 + 9^0 + 6^1 + 2^8 + 9^5$
$39403 := -3^3 + 9^5 + 4^3 + 0^1 - 3^9$	$39487 := -3^9 + 9^5 + 4^3 + 8^1 + 7^2$	$39632 := -3^9 + 9^5 + 6^0 + 3^2 + 2^8$
$39405 := -3^9 + 9^5 + 4^3 + 0^1 - 5^2$	$39492 := -3^9 - 9^0 - 4^0 + 9^5 + 2^7$	$39635 := -3^9 + 9^5 + 6^0 + 3^5 + 5^2$
$39406 := -3^9 + 9^5 + 4^1 + 0^1 + 6^2$	$39497 := -3^9 + 9^2 + 4^0 + 9^5 + 7^2$	$39642 := -3^7 - 9^3 + 6^6 - 4^6 - 2^1$
$39417 := -3^9 + 9^5 + 4^0 + 1^0 + 7^2$	$39507 := -3^2 - 9^1 - 5^7 + 0^0 + 7^6$	$39643 := -3^1 + 9^5 + 6^3 + 4^3 - 3^9$
$39420 := -3^9 - 9^4 + 4^8 + 2^7 + 0^1$	$39514 := -3^3 + 9^5 - 5^5 + 1^0 - 4^7$	$39644 := -3^9 + 9^5 + 6^1 + 4^2 + 4^4$
$39421 := -3^9 - 9^4 + 4^8 + 2^7 + 1^0$	$39517 := -3^2 + 9^0 - 5^7 + 1^0 + 7^6$	$39645 := -3^4 - 9^4 + 6^6 + 4^4 - 5^4$
$39422 := -3^9 - 9^4 + 4^8 + 2^1 + 2^7$	$39520 := -3^9 + 9^5 + 5^2 + 2^7 + 0^0$	$39646 := -3^3 + 9^3 - 6^5 + 4^3 + 6^6$
$39423 := -3^1 + 9^5 - 4^1 + 2^6 - 3^9$	$39522 := -3^9 + 9^5 + 5^3 + 2^5 - 2^0$	$39647 := -3^9 + 9^5 + 6^3 + 4^2 + 7^2$
$39424 := -3^9 - 9^4 + 4^1 + 2^7 + 4^8$	$39524 := -3^9 + 9^5 + 5^3 + 2^5 + 4^0$	$39648 := -3^7 - 9^3 + 6^6 + 4^1 - 8^4$
$39425 := -3^5 + 9^5 - 4^7 + 2^7 - 5^5$	$39532 := -3^9 + 9^5 + 5^3 + 3^2 + 2^5$	$39649 := -3^9 - 9^1 + 6^2 + 4^4 + 9^5$
$39426 := -3^6 - 9^4 - 4^1 + 2^6 + 6^6$	$39533 := -3^4 + 9^5 + 5^1 + 3^5 - 3^9$	$39662 := -3^6 - 9^4 - 6^3 + 6^6 + 2^9$
$39427 := -3^9 - 9^4 + 4^8 + 2^7 + 7^1$	$39534 := -3^2 + 9^5 - 5^5 + 3^1 - 4^7$	$39663 := -3^3 + 9^2 - 6^5 + 6^6 + 3^6$
$39428 := -3^9 - 9^4 + 4^8 + 2^7 + 8^1$	$39536 := -3^5 + 9^4 - 5^6 + 3^7 + 6^6$	$39664 := -3^2 + 9^3 - 6^5 + 6^6 + 4^3$
$39429 := -3^9 - 9^0 - 4^3 + 2^7 + 9^5$	$39538 := -3^2 + 9^4 - 5^2 + 3^5 + 8^5$	$39667 := -3^9 + 9^5 + 6^2 + 6^3 + 7^2$

$$\begin{aligned}
39668 &:= -3^9 + 9^5 - 6^3 + 6^1 + 8^3 & 39774 &:= -3^3 + 9^4 + 7^2 + 7^5 + 4^7 & 39887 &:= -3^1 + 9^4 + 8^3 + 8^5 + 7^2 \\
39669 &:= -3^9 + 9^2 + 6^1 + 6^3 + 9^5 & 39778 &:= -3^8 + 9^5 - 7^5 + 7^0 + 8^4 & 39933 &:= -3^4 - 9^2 + 9^3 + 3^9 + 3^9 \\
39670 &:= -3^4 - 9^4 + 6^6 - 7^3 - 0^0 & 39790 &:= -3^9 + 9^2 + 7^3 + 9^5 + 0^1 & 39936 &:= -3^4 - 9^2 - 9^4 + 3^1 + 6^6 \\
39672 &:= -3^4 - 9^4 + 6^6 - 7^3 + 2^0 & 39791 &:= -3^9 + 9^2 + 7^3 + 9^5 + 1^0 & 39956 &:= -3^5 - 9^4 + 9^3 - 5^4 + 6^6 \\
39674 &:= -3^9 + 9^5 - 6^2 + 7^3 + 4^0 & 39792 &:= -3^9 + 9^2 + 7^3 + 9^5 + 2^1 & 39965 &:= -3^2 + 9^5 + 9^5 + 6^0 - 5^7 \\
39685 &:= -3^5 + 9^1 + 6^5 + 8^5 - 5^4 & 39793 &:= -3^9 + 9^2 + 7^3 + 9^5 + 3^1 & 39972 &:= -3^7 - 9^2 + 9^5 - 7^5 - 2^1 \\
39687 &:= -3^8 - 9^0 + 6^6 - 8^2 - 7^3 & 39794 &:= -3^9 + 9^2 + 7^3 + 9^5 + 4^1 & 39973 &:= -3^4 - 9^0 + 9^5 - 7^5 - 3^7 \\
39702 &:= -3^9 + 9^5 + 7^3 + 0^0 - 2^3 & 39795 &:= -3^9 + 9^2 + 7^3 + 9^5 + 5^1 & 39974 &:= -3^9 + 9^1 + 9^5 + 7^3 + 4^4 \\
39705 &:= -3^9 + 9^5 + 7^3 + 0^0 - 5^1 & 39796 &:= -3^9 + 9^2 + 7^3 + 9^5 + 6^1 & 39975 &:= -3^7 - 9^2 + 9^5 - 7^5 + 5^0 \\
39708 &:= -3^9 + 9^5 + 7^3 + 0^1 - 8^0 & 39797 &:= -3^9 + 9^2 + 7^1 + 9^5 + 7^3 & 39978 &:= -3^4 + 9^3 + 9^4 + 7^0 + 8^5 \\
39709 &:= -3^9 - 9^0 + 7^3 + 0^0 + 9^5 & 39798 &:= -3^9 - 9^2 + 7^0 + 9^5 + 8^3 & 39986 &:= -3^3 - 9^2 - 9^4 - 8^0 + 6^6 \\
39710 &:= -3^9 + 9^5 + 7^3 + 1^0 + 0^1 & 39799 &:= -3^9 + 9^1 + 7^3 + 9^2 + 9^5 & 39996 &:= -3^2 - 9^1 - 9^2 - 9^4 + 6^6 \\
39711 &:= -3^9 + 9^5 + 7^3 + 1^0 + 1^0 & 39804 &:= -3^9 - 9^4 + 8^3 + 0^1 + 4^8 & & \\
39712 &:= -3^9 + 9^5 + 7^3 + 1^0 + 2^1 & 39806 &:= -3^2 - 9^3 + 8^5 + 0^1 + 6^5 & 40169 &:= -4^8 + 0^0 - 1^0 + 6^6 + 9^5 \\
39713 &:= -3^9 + 9^5 + 7^3 + 1^0 + 3^1 & 39822 &:= -3^1 + 9^4 + 8^5 + 2^9 - 2^4 & 40169 &:= -4^8 - 0^0 + 1^0 + 6^6 + 9^5 \\
39714 &:= -3^9 + 9^5 + 7^3 + 1^0 + 4^1 & 39823 &:= -3^2 - 9^1 + 8^5 + 2^9 + 3^8 & 40279 &:= -4^7 - 0^0 + 2^4 - 7^4 + 9^5 \\
39715 &:= -3^9 + 9^5 + 7^3 + 1^0 + 5^1 & 39824 &:= -3^4 + 9^4 + 8^5 + 2^9 + 4^3 & 40286 &:= -4^4 - 0^0 - 2^0 + 8^5 + 6^5 \\
39716 &:= -3^9 + 9^5 + 7^3 + 1^0 + 6^1 & 39826 &:= -3^2 + 9^4 + 8^5 + 2^9 - 6^1 & 40296 &:= -4^8 - 0^0 + 2^7 + 9^5 + 6^6 \\
39717 &:= -3^9 + 9^5 + 7^1 + 1^0 + 7^3 & 39829 &:= -3^1 - 9^1 + 8^5 + 2^9 + 9^4 & 40297 &:= -4^7 + 0^0 + 2^5 + 9^5 - 7^4 \\
39718 &:= -3^9 + 9^5 + 7^3 + 1^0 + 8^1 & 39842 &:= -3^1 + 9^4 + 8^5 + 4^1 + 2^9 & 40346 &:= -4^1 - 0^0 - 3^8 + 4^4 + 6^6 \\
39719 &:= -3^9 + 9^1 + 7^3 + 1^0 + 9^5 & 39845 &:= -3^5 + 9^4 + 8^5 + 4^7 - 5^6 & 40348 &:= -4^1 - 0^0 + 3^8 + 4^5 + 8^5 \\
39724 &:= -3^9 + 9^5 + 7^3 + 2^4 - 4^0 & 39846 &:= -3^8 - 9^0 + 8^1 - 4^4 + 6^6 & 40363 &:= -4^6 - 0^0 - 3^2 + 6^6 - 3^7 \\
39726 &:= -3^3 - 9^4 - 7^3 + 2^0 + 6^6 & 39847 &:= -3^4 + 9^4 + 8^5 + 4^4 + 7^3 & 40366 &:= -4^5 - 0^0 - 3^8 + 6^4 + 6^6 \\
39732 &:= -3^9 + 9^5 + 7^3 + 3^3 - 2^2 & 39848 &:= -3^2 + 9^4 + 8^3 + 4^2 + 8^5 & 40367 &:= -4^6 + 0^0 - 3^7 + 6^6 - 7^1 \\
39733 &:= -3^1 + 9^5 + 7^3 + 3^3 - 3^9 & 39856 &:= -3^5 - 9^4 - 8^0 + 5^1 + 6^6 & 40368 &:= -4^1 - 0^0 - 3^7 + 6^6 - 8^4 \\
39734 &:= -3^2 - 9^1 + 7^5 + 3^8 + 4^7 & 39860 &:= -3^5 - 9^4 + 8^1 + 6^6 + 0^1 & 40436 &:= -4^6 - 0^0 + 4^3 - 3^7 + 6^6 \\
39735 &:= -3^9 + 9^5 + 7^0 + 3^5 + 5^3 & 39861 &:= -3^5 - 9^4 + 8^1 + 6^6 + 1^0 & 40493 &:= -4^7 - 0^0 + 4^2 + 9^5 - 3^7 \\
39736 &:= -3^6 - 9^4 + 7^3 + 3^3 + 6^6 & 39862 &:= -3^4 - 9^3 + 8^5 + 6^5 + 2^7 & 40639 &:= -4^7 - 0^0 - 6^4 - 3^6 + 9^5 \\
39737 &:= -3^9 + 9^5 + 7^0 + 3^3 + 7^3 & 39863 &:= -3^5 - 9^4 + 8^1 + 6^6 + 3^1 & 40693 &:= -4^7 - 0^0 + 6^3 + 9^5 - 3^7 \\
39739 &:= -3^9 + 9^2 + 7^2 + 3^5 + 9^5 & 39864 &:= -3^5 - 9^4 + 8^1 + 6^6 + 4^1 & 40756 &:= -4^3 + 0^1 + 7^6 - 5^7 + 6^4 \\
39742 &:= -3^2 + 9^4 + 7^5 + 4^7 - 2^0 & 39865 &:= -3^5 - 9^4 + 8^1 + 6^6 + 5^1 & 40864 &:= -4^7 + 0^1 - 8^3 - 6^5 + 4^8 \\
39744 &:= -3^2 + 9^4 + 7^5 + 4^0 + 4^7 & 39866 &:= -3^5 - 9^4 + 8^1 + 6^1 + 6^6 & 41258 &:= -4^6 - 1^0 - 2^1 + 5^7 - 8^5 \\
39746 &:= -3^9 + 9^5 + 7^3 + 4^0 + 6^2 & 39867 &:= -3^5 - 9^4 + 8^1 + 6^6 + 7^1 & 41266 &:= -4^6 + 1^0 + 2^0 + 6^6 - 6^4 \\
39748 &:= -3^1 + 9^4 + 7^5 + 4^7 - 8^0 & 39868 &:= -3^2 + 9^4 + 8^3 + 6^2 + 8^5 & 41369 &:= -4^7 - 1^0 + 3^0 - 6^4 + 9^5 \\
39752 &:= -3^3 - 9^0 + 7^6 - 5^7 + 2^8 & 39869 &:= -3^2 - 9^3 + 8^3 + 6^6 - 9^4 & 41729 &:= -4^4 - 1^0 - 7^5 - 2^8 + 9^5 \\
39753 &:= -3^4 + 9^5 + 7^3 + 5^3 - 3^9 & 39878 &:= -3^9 + 9^5 - 8^0 + 7^0 + 8^3 & 41769 &:= -4^4 - 1^0 - 7^5 - 6^3 + 9^5 \\
39754 &:= -3^1 + 9^4 + 7^5 + 5^1 + 4^7 & 39880 &:= -3^9 + 9^5 + 8^0 + 8^3 + 0^0 & 41934 &:= -4^7 - 1^0 + 9^5 - 3^6 - 4^0 \\
39756 &:= -3^8 - 9^0 - 7^3 + 5^1 + 6^6 & 39882 &:= -3^9 + 9^5 + 8^1 + 8^3 - 2^2 & 41936 &:= -4^7 - 1^0 + 9^5 - 3^6 + 6^0 \\
39760 &:= -3^8 + 9^1 - 7^3 + 6^6 - 0^0 & 39883 &:= -3^1 + 9^5 + 8^1 + 8^3 - 3^9 & 41968 &:= -4^6 + 1^0 - 9^2 + 6^6 - 8^3 \\
39762 &:= -3^8 + 9^1 - 7^3 + 6^6 + 2^0 & 39885 &:= -3^4 + 9^4 + 8^3 + 8^5 + 5^3 & 42046 &:= -4^6 - 2^9 - 0^0 - 4^0 + 6^6 \\
39772 &:= -3^9 + 9^5 - 7^0 + 7^3 + 2^6 & 39886 &:= -3^4 - 9^4 - 8^2 - 8^2 + 6^6 & 42053 &:= -4^7 - 2^2 - 0^0 + 5^7 - 3^9
\end{aligned}$$

$42064 := -4^6 - 2^9 + 0^1 + 6^6 + 4^2$	$42399 := -4^7 - 2^5 - 3^5 + 9^1 + 9^5$	$42565 := -4^6 - 2^0 + 5^0 + 6^6 + 5^1$
$42089 := -4^7 - 2^6 + 0^1 - 8^3 + 9^5$	$42409 := -4^4 - 2^0 - 4^7 + 0^0 + 9^5$	$42566 := -4^6 + 2^0 - 5^0 + 6^1 + 6^6$
$42097 := -4^2 - 2^7 - 0^0 + 9^5 - 7^5$	$42426 := -4^1 - 2^1 - 4^6 - 2^7 + 6^6$	$42566 := -4^6 - 2^0 + 5^0 + 6^1 + 6^6$
$42159 := -4^7 - 2^9 + 1^0 + 5^1 + 9^5$	$42429 := -4^4 + 2^2 - 4^7 + 2^4 + 9^5$	$42567 := -4^6 + 2^0 - 5^0 + 6^6 + 7^1$
$42193 := -4^7 + 2^8 + 1^0 + 9^5 - 3^6$	$42436 := -4^6 - 2^7 + 4^0 + 3^1 + 6^6$	$42567 := -4^6 - 2^0 + 5^0 + 6^6 + 7^1$
$42249 := -4^4 - 2^5 - 2^7 - 4^7 + 9^5$	$42456 := -4^6 - 2^7 - 4^0 + 5^2 + 6^6$	$42568 := -4^2 - 2^0 + 5^2 + 6^6 - 8^4$
$42263 := -4^6 - 2^5 - 2^8 + 6^6 - 3^2$	$42462 := -4^3 - 2^1 - 4^6 + 6^6 - 2^5$	$42569 := -4^6 + 2^0 - 5^0 + 6^6 + 9^1$
$42264 := -4^4 - 2^3 - 2^5 + 6^6 - 4^6$	$42463 := -4^3 - 2^5 - 4^6 + 6^6 - 3^0$	$42569 := -4^6 - 2^0 + 5^0 + 6^6 + 9^1$
$42265 := -4^6 - 2^6 - 2^8 + 6^6 + 5^2$	$42464 := -4^2 - 2^4 - 4^3 + 6^6 - 4^6$	$42576 := -4^6 - 2^1 + 5^2 - 7^1 + 6^6$
$42266 := -4^6 - 2^1 - 2^8 - 6^2 + 6^6$	$42465 := -4^3 - 2^5 - 4^6 + 6^6 + 5^0$	$42579 := -4^4 - 2^5 + 5^4 - 7^5 + 9^5$
$42268 := -4^1 - 2^5 - 2^8 + 6^6 - 8^4$	$42468 := -4^3 - 2^5 + 4^1 + 6^6 - 8^4$	$42592 := -4^3 - 2^8 - 5^6 + 9^5 - 2^9$
$42279 := -4^7 - 2^0 + 2^6 + 7^6 - 9^5$	$42469 := -4^7 - 2^7 + 4^8 + 6^1 - 9^4$	$42593 := -4^7 + 2^2 + 5^1 + 9^5 - 3^4$
$42286 := -4^2 - 2^1 - 2^8 - 8^4 + 6^6$	$42486 := -4^3 - 2^1 - 4^6 - 8^1 + 6^6$	$42594 := -4^3 - 2^1 - 5^1 + 9^5 - 4^7$
$42289 := -4^7 - 2^7 - 2^8 + 8^1 + 9^5$	$42489 := -4^4 + 2^4 - 4^7 + 8^2 + 9^5$	$42595 := -4^7 - 2^6 - 5^0 + 9^5 - 5^1$
$42293 := -4^7 - 2^0 - 2^7 + 9^5 - 3^5$	$42496 := -4^3 - 2^0 - 4^6 + 9^0 + 6^6$	$42596 := -4^5 + 2^3 - 5^5 + 9^2 + 6^6$
$42295 := -4^7 - 2^0 + 2^8 + 9^5 - 5^4$	$42497 := -4^4 + 2^9 - 4^0 + 9^5 - 7^5$	$42597 := -4^7 + 2^3 - 5^3 + 9^5 + 7^2$
$42296 := -4^6 - 2^8 + 2^0 - 9^1 + 6^6$	$42506 := -4^5 - 2^0 - 5^5 + 0^1 + 6^6$	$42598 := -4^7 - 2^1 - 5^0 + 9^5 - 8^2$
$42306 := -4^6 - 2^8 + 3^0 + 0^0 + 6^6$	$42509 := -4^7 - 2^5 - 5^3 + 0^0 + 9^5$	$42599 := -4^3 - 2^5 - 5^6 - 9^3 + 9^5$
$42315 := -4^7 + 2^8 - 3^9 + 1^0 + 5^7$	$42516 := -4^5 + 2^3 - 5^5 + 1^0 + 6^6$	$42603 := -4^6 + 2^4 + 6^6 + 0^1 + 3^3$
$42316 := -4^6 - 2^1 - 3^5 + 1^0 + 6^6$	$42526 := -4^6 - 2^0 - 5^0 - 2^5 + 6^6$	$42607 := -4^6 - 2^0 + 6^6 - 0^0 + 7^2$
$42326 := -4^6 + 2^0 - 3^5 + 2^3 + 6^6$	$42529 := -4^5 + 2^0 - 5^6 + 2^7 + 9^5$	$42608 := -4^2 + 2^6 + 6^6 + 0^1 - 8^4$
$42329 := -4^7 - 2^8 - 3^4 + 2^0 + 9^5$	$42534 := -4^7 - 2^5 - 5^2 - 3^8 + 4^8$	$42609 := -4^6 - 2^5 + 6^6 + 0^1 + 9^2$
$42334 := -4^7 - 2^8 - 3^0 - 3^8 + 4^8$	$42536 := -4^5 + 2^1 - 5^5 + 3^3 + 6^6$	$42620 := -4^6 - 2^2 + 6^6 + 2^6 + 0^1$
$42336 := -4^6 - 2^3 + 3^3 - 3^5 + 6^6$	$42537 := -4^8 - 2^9 - 5^6 + 3^8 + 7^6$	$42621 := -4^6 - 2^1 + 6^6 + 2^6 - 1^0$
$42339 := -4^7 - 2^1 - 3^4 - 3^5 + 9^5$	$42538 := -4^7 - 2^5 + 5^7 - 3^9 + 8^3$	$42622 := -4^6 - 2^0 + 6^6 - 2^0 + 2^6$
$42349 := -4^7 + 2^0 - 3^5 + 4^8 - 9^4$	$42539 := -4^7 - 2^1 - 5^3 + 3^0 + 9^5$	$42623 := -4^6 - 2^1 + 6^6 - 2^4 + 3^4$
$42356 := -4^6 - 2^7 - 3^4 + 5^1 + 6^6$	$42546 := -4^6 - 2^3 - 5^1 - 4^0 + 6^6$	$42624 := -4^1 + 2^2 + 6^6 + 2^6 - 4^6$
$42358 := -4^3 - 2^5 + 3^8 + 5^5 + 8^5$	$42549 := -4^7 + 2^3 - 5^3 + 4^0 + 9^5$	$42625 := -4^6 + 2^1 + 6^6 + 2^6 - 5^0$
$42359 := -4^1 - 2^7 - 3^9 + 5^5 + 9^5$	$42553 := -4^4 - 2^3 - 5^6 + 5^7 - 3^9$	$42626 := -4^6 + 2^0 + 6^0 + 2^6 + 6^6$
$42367 := -4^6 + 2^0 - 3^5 + 6^6 + 7^2$	$42556 := -4^6 - 2^1 - 5^0 - 5^0 + 6^6$	$42627 := -4^6 + 2^1 + 6^6 + 2^4 + 7^2$
$42386 := -4^6 - 2^8 + 3^4 + 8^0 + 6^6$	$42559 := -4^7 - 2^8 + 5^2 + 5^3 + 9^5$	$42628 := -4^1 + 2^3 + 6^6 + 2^6 - 8^4$
$42389 := -4^7 - 2^5 - 3^5 - 8^0 + 9^5$	$42560 := -4^6 - 2^0 + 5^0 + 6^6 + 0^1$	$42629 := -4^6 - 2^2 + 6^6 - 2^3 + 9^2$
$42390 := -4^7 - 2^5 - 3^5 + 9^5 + 0^1$	$42561 := -4^6 + 2^0 + 5^0 + 6^6 - 1^0$	$42632 := -4^6 - 2^0 + 6^6 + 3^2 + 2^6$
$42391 := -4^7 - 2^5 - 3^5 + 9^5 + 1^0$	$42561 := -4^6 + 2^0 - 5^0 + 6^6 + 1^0$	$42633 := -4^6 + 2^0 + 6^6 + 3^4 - 3^2$
$42392 := -4^7 + 2^1 - 3^5 + 9^5 - 2^5$	$42561 := -4^6 - 2^0 + 5^0 + 6^6 + 1^0$	$42634 := -4^6 + 2^0 + 6^6 + 3^2 + 4^3$
$42393 := -4^7 - 2^1 - 3^3 + 9^5 - 3^5$	$42562 := -4^6 + 2^0 - 5^0 + 6^6 + 2^1$	$42635 := -4^6 - 2^0 + 6^6 + 3^4 - 5^1$
$42394 := -4^2 - 2^8 + 3^0 + 9^5 - 4^7$	$42562 := -4^6 - 2^0 + 5^0 + 6^6 + 2^1$	$42636 := -4^6 + 2^0 - 6^1 + 3^4 + 6^6$
$42395 := -4^3 - 2^5 - 3^9 + 9^5 + 5^5$	$42563 := -4^6 + 2^0 + 5^0 + 6^6 + 3^0$	$42637 := -4^6 + 2^0 + 6^6 + 3^3 + 7^2$
$42396 := -4^6 - 2^1 - 3^4 - 9^2 + 6^6$	$42564 := -4^6 + 2^0 - 5^0 + 6^6 + 4^1$	$42638 := -4^1 + 2^0 + 6^6 + 3^4 - 8^4$
$42397 := -4^7 - 2^5 - 3^5 + 9^5 + 7^1$	$42564 := -4^6 - 2^0 + 5^0 + 6^6 + 4^1$	$42639 := -4^6 - 2^0 + 6^6 - 3^0 + 9^2$
$42398 := -4^7 + 2^1 + 3^5 + 9^5 - 8^3$	$42565 := -4^6 + 2^0 - 5^0 + 6^6 + 5^1$	$42640 := -4^6 + 2^4 + 6^6 + 4^3 + 0^1$

$$\begin{aligned}
42641 &:= -4^6 + 2^4 + 6^6 + 4^3 + 1^0 & 42699 &:= -4^7 - 2^0 + 6^2 - 9^0 + 9^5 & 42922 &:= -4^7 - 2^0 + 9^5 + 2^1 + 2^8 \\
42642 &:= -4^6 + 2^1 + 6^6 + 4^2 + 2^6 & 42709 &:= -4^7 - 2^2 + 7^2 - 0^0 + 9^5 & 42923 &:= -4^7 - 2^0 + 9^5 + 2^4 + 3^5 \\
42643 &:= -4^6 + 2^0 + 6^6 + 4^0 + 3^4 & 42719 &:= -4^7 + 2^2 + 7^2 + 1^0 + 9^5 & 42924 &:= -4^7 + 2^0 + 9^5 + 2^1 + 4^4 \\
42644 &:= -4^6 + 2^2 + 6^6 + 4^2 + 4^3 & 42729 &:= -4^7 + 2^0 - 7^0 + 2^6 + 9^5 & 42925 &:= -4^7 - 2^0 + 9^5 + 2^8 + 5^1 \\
42645 &:= -4^6 - 2^2 + 6^6 + 4^3 + 5^2 & 42729 &:= -4^7 - 2^0 + 7^0 + 2^6 + 9^5 & 42926 &:= -4^7 - 2^0 + 9^5 + 2^8 + 6^1 \\
42646 &:= -4^6 + 2^4 + 6^1 + 4^3 + 6^6 & 42739 &:= -4^2 + 2^9 - 7^5 + 3^0 + 9^5 & 42927 &:= -4^7 - 2^0 + 9^5 + 2^8 + 7^1 \\
42647 &:= -4^6 + 2^4 + 6^6 + 4^3 + 7^1 & 42756 &:= -4^4 - 2^9 - 7^1 - 5^5 + 6^6 & 42928 &:= -4^7 - 2^0 + 9^5 + 2^8 + 8^1 \\
42648 &:= -4^6 + 2^3 + 6^6 + 4^2 + 8^2 & 42759 &:= -4^7 - 2^5 + 7^0 + 5^3 + 9^5 & 42929 &:= -4^7 - 2^0 + 9^1 + 2^8 + 9^5 \\
42649 &:= -4^2 - 2^0 + 6^0 - 4^7 + 9^5 & 42766 &:= -4^6 + 2^8 - 7^2 + 6^6 - 6^0 & 42930 &:= -4^7 + 2^8 + 9^5 + 3^2 + 0^1 \\
42650 &:= -4^6 + 2^6 + 6^6 + 5^2 + 0^0 & 42768 &:= -4^6 + 2^8 - 7^2 + 6^6 + 8^0 & 42931 &:= -4^7 + 2^8 + 9^5 + 3^2 + 1^0 \\
42652 &:= -4^6 - 2^0 + 6^6 + 5^3 - 2^5 & 42776 &:= -4^6 - 2^7 + 7^0 + 7^3 + 6^6 & 42932 &:= -4^7 + 2^1 + 9^5 + 3^2 + 2^8 \\
42654 &:= -4^6 - 2^5 + 6^6 + 5^3 + 4^0 & 42779 &:= -4^7 + 2^4 + 7^2 + 7^2 + 9^5 & 42933 &:= -4^7 - 2^1 + 9^5 + 3^3 + 3^5 \\
42659 &:= -4^7 - 2^0 - 6^1 + 5^0 + 9^5 & 42791 &:= -4^7 + 2^7 - 7^0 + 9^5 - 1^0 & 42934 &:= -4^2 - 2^9 + 9^5 - 3^9 + 4^6 \\
42660 &:= -4^6 + 2^6 + 6^2 + 6^6 + 0^1 & 42792 &:= -4^7 - 2^1 + 7^0 + 9^5 + 2^7 & 42935 &:= -4^1 - 2^9 + 9^5 + 3^3 - 5^6 \\
42661 &:= -4^6 + 2^6 + 6^2 + 6^6 + 1^0 & 42793 &:= -4^4 - 2^1 + 7^5 + 9^4 + 3^9 & 42936 &:= -4^7 - 2^3 + 9^5 + 3^5 + 6^2 \\
42662 &:= -4^6 + 2^1 + 6^2 + 6^6 + 2^6 & 42794 &:= -4^7 + 2^4 + 7^2 + 9^5 + 4^3 & 42937 &:= -4^7 - 2^3 - 9^5 + 3^6 + 7^6 \\
42663 &:= -4^6 + 2^4 + 6^1 + 6^6 + 3^4 & 42795 &:= -4^3 - 2^3 - 7^5 + 9^5 + 5^4 & 42938 &:= -4^7 + 2^7 + 9^5 + 3^4 + 8^2 \\
42664 &:= -4^6 + 2^2 + 6^2 + 6^6 + 4^3 & 42796 &:= -4^7 + 2^2 + 7^3 + 9^5 - 6^3 & 42939 &:= -4^7 + 2^5 - 9^0 + 3^5 + 9^5 \\
42665 &:= -4^6 + 2^4 - 6^2 + 6^6 + 5^3 & 42799 &:= -4^7 + 2^2 + 7^2 + 9^2 + 9^5 & 42945 &:= -4^7 - 2^0 + 9^5 + 4^4 + 5^2 \\
42666 &:= -4^6 + 2^6 + 6^1 + 6^2 + 6^6 & 42816 &:= -4^6 + 2^8 - 8^0 + 1^0 + 6^6 & 42946 &:= -4^7 + 2^0 + 9^5 + 4^3 + 6^3 \\
42667 &:= -4^6 + 2^6 - 6^1 + 6^6 + 7^2 & 42826 &:= -4^6 + 2^1 + 8^1 + 2^8 + 6^6 & 42953 &:= -4^7 + 2^8 + 9^5 + 5^1 + 3^3 \\
42668 &:= -4^6 + 2^3 + 6^2 + 6^6 + 8^2 & 42836 &:= -4^6 + 2^5 + 8^0 + 3^5 + 6^6 & 42954 &:= -4^7 + 2^3 + 9^5 + 5^2 + 4^4 \\
42669 &:= -4^6 - 2^3 + 6^2 + 6^6 + 9^2 & 42843 &:= -4^1 + 2^8 + 8^5 + 4^7 - 3^8 & 42956 &:= -4^3 - 2^9 + 9^0 - 5^5 + 6^6 \\
42672 &:= -4^6 - 2^0 + 6^6 + 7^2 + 2^6 & 42849 &:= -4^3 - 2^9 + 8^5 + 4^6 + 9^4 & 42957 &:= -4^1 - 2^9 + 9^5 - 5^6 + 7^2 \\
42674 &:= -4^6 + 2^0 + 6^6 + 7^2 + 4^3 & 42863 &:= -4^1 + 2^6 - 8^4 + 6^6 + 3^5 & 42959 &:= -4^4 - 2^7 - 9^2 - 5^6 + 9^5 \\
42679 &:= -4^7 + 2^0 + 6^1 + 7^1 + 9^5 & 42864 &:= -4^2 + 2^6 - 8^4 + 6^6 + 4^4 & 42963 &:= -4^7 + 2^0 + 9^5 + 6^3 + 3^4 \\
42682 &:= -4^1 - 2^1 + 6^6 - 8^4 + 2^7 & 42865 &:= -4^3 - 2^8 - 8^4 + 6^6 + 5^4 & 42965 &:= -4^4 + 2^0 - 9^4 + 6^6 + 5^5 \\
42683 &:= -4^2 - 2^5 + 6^5 + 8^5 + 3^7 & 42867 &:= -4^1 - 2^5 - 8^4 + 6^6 + 7^3 & 42970 &:= -4^7 + 2^8 + 9^5 + 7^2 + 0^1 \\
42684 &:= -4^1 + 2^6 + 6^6 + 8^2 - 4^6 & 42869 &:= -4^7 - 2^2 - 8^1 + 6^3 + 9^5 & 42971 &:= -4^7 + 2^8 + 9^5 + 7^2 + 1^0 \\
42685 &:= -4^6 - 2^0 + 6^6 + 8^0 + 5^3 & 42879 &:= -4^7 - 2^7 - 8^0 + 7^3 + 9^5 & 42972 &:= -4^7 + 2^1 + 9^5 + 7^2 + 2^8 \\
42687 &:= -4^4 - 2^1 + 6^5 + 8^5 + 7^4 & 42893 &:= -4^7 - 2^4 + 8^0 + 9^5 + 3^5 & 42973 &:= -4^7 - 2^3 + 9^5 + 7^3 - 3^3 \\
42688 &:= -4^3 + 2^7 + 6^6 + 8^2 - 8^4 & 42895 &:= -4^2 - 2^0 - 8^3 + 9^5 - 5^6 & 42974 &:= -4^7 + 2^2 + 9^5 + 7^2 + 4^4 \\
42689 &:= -4^6 - 2^4 + 6^6 + 8^2 + 9^2 & 42896 &:= -4^6 + 2^8 - 8^0 + 9^2 + 6^6 & 42975 &:= -4^1 + 2^2 - 9^5 + 7^6 - 5^6 \\
42690 &:= -4^6 + 2^7 + 6^6 + 9^0 + 0^0 & 42903 &:= -4^7 - 2^2 + 9^5 - 0^0 + 3^5 & 42976 &:= -4^5 - 2^8 + 9^0 - 7^4 + 6^6 \\
42692 &:= -4^7 + 2^0 - 6^1 + 9^5 + 2^5 & 42904 &:= -4^7 - 2^4 + 9^5 - 0^0 + 4^4 & 42977 &:= -4^7 - 2^5 + 9^5 + 7^0 + 7^3 \\
42693 &:= -4^7 + 2^0 + 6^2 + 9^5 - 3^2 & 42912 &:= -4^7 - 2^3 + 9^5 - 1^0 + 2^8 & 42978 &:= -4^1 - 2^5 - 9^4 + 7^5 + 8^5 \\
42694 &:= -4^1 + 2^5 + 6^0 + 9^5 - 4^7 & 42913 &:= -4^7 + 2^2 + 9^5 + 1^0 + 3^5 & 42979 &:= -4^7 + 2^8 + 9^1 + 7^2 + 9^5 \\
42695 &:= -4^6 + 2^0 + 6^6 + 9^1 + 5^3 & 42914 &:= -4^7 - 2^3 + 9^5 + 1^0 + 4^4 & 42984 &:= -4^7 - 2^0 + 9^5 + 8^2 + 4^4 \\
42696 &:= -4^6 + 2^7 - 6^0 + 9^1 + 6^6 & 42916 &:= -4^7 + 2^8 + 9^5 + 1^0 - 6^1 & 42986 &:= -4^7 + 2^8 + 9^5 + 8^2 + 6^0 \\
42697 &:= -4^7 - 2^4 - 6^0 + 9^5 + 7^2 & 42920 &:= -4^7 - 2^0 + 9^5 + 2^8 + 0^1 & 42993 &:= -4^7 + 2^2 + 9^2 + 9^5 + 3^5 \\
42698 &:= -4^6 + 2^7 + 6^6 + 9^1 + 8^0 & 42921 &:= -4^7 - 2^0 + 9^5 + 2^8 + 1^0 & 42994 &:= -4^7 - 2^3 + 9^2 + 9^5 + 4^4
\end{aligned}$$

$$\begin{aligned}
42996 &:= -4^7 + 2^8 + 9^2 + 9^5 - 6^1 & 43394 &:= -4^7 - 3^0 + 3^6 + 9^5 + 4^0 & 43662 &:= -4^5 - 3^7 + 6^3 + 6^6 + 2^0 \\
42997 &:= -4^7 - 2^1 - 9^1 + 9^5 + 7^3 & 43396 &:= -4^7 + 3^0 + 3^6 + 9^5 + 6^0 & 43664 &:= -4^6 + 3^4 - 6^0 + 6^6 + 4^5 \\
43062 &:= -4^6 - 3^2 - 0^0 + 6^6 + 2^9 & 43398 &:= -4^7 + 3^1 + 3^6 + 9^5 + 8^0 & 43672 &:= -4^8 - 3^6 - 6^5 + 7^6 + 2^6 \\
43068 &:= -4^6 - 3^1 - 0^0 + 6^6 + 8^3 & 43432 &:= -4^6 - 3^9 + 4^8 + 3^7 - 2^9 & 43678 &:= -4^3 - 3^0 + 6^6 - 7^4 - 8^3 \\
43162 &:= -4^6 + 3^6 + 1^0 + 6^6 - 2^7 & 43435 &:= -4^4 - 3^7 + 4^8 - 3^9 + 5^2 & 43689 &:= -4^5 - 3^8 - 6^5 + 8^0 + 9^5 \\
43165 &:= -4^6 + 3^6 + 1^0 + 6^6 - 5^3 & 43437 &:= -4^2 - 3^9 + 4^8 + 3^0 - 7^4 & 43692 &:= -4^2 - 3^7 + 6^6 - 9^3 - 2^5 \\
43168 &:= -4^5 - 3^8 + 1^0 + 6^6 + 8^4 & 43438 &:= -4^2 + 3^9 + 4^6 + 3^9 - 8^1 & 43694 &:= -4^7 - 3^0 + 6^1 + 9^5 + 4^5 \\
43226 &:= -4^6 + 3^6 - 2^6 + 2^0 + 6^6 & 43447 &:= -4^1 - 3^9 - 4^0 + 4^8 - 7^4 & 43695 &:= -4^5 - 3^0 + 6^4 + 9^5 - 5^6 \\
43236 &:= -4^5 - 3^4 - 2^7 - 3^7 + 6^6 & 43453 &:= -4^1 - 3^9 + 4^8 - 5^5 + 3^6 & 43726 &:= -4^2 - 3^0 - 7^4 - 2^9 + 6^6 \\
43237 &:= -4^8 - 3^7 - 2^7 - 3^8 + 7^6 & 43456 &:= -4^3 - 3^3 + 4^2 - 5^5 + 6^6 & 43762 &:= -4^2 - 3^9 + 7^5 + 6^6 - 2^1 \\
43238 &:= -4^4 + 3^9 + 2^5 + 3^9 + 8^4 & 43459 &:= -4^1 - 3^9 + 4^6 + 5^0 + 9^5 & 43763 &:= -4^2 - 3^0 + 7^5 + 6^6 - 3^9 \\
43239 &:= -4^7 - 3^3 - 2^7 + 3^6 + 9^5 & 43460 &:= -4^5 - 3^7 + 4^2 + 6^6 - 0^0 & 43765 &:= -4^2 + 3^5 + 7^1 + 6^6 - 5^5 \\
43254 &:= -4^3 - 3^8 - 2^5 - 5^6 + 4^8 & 43462 &:= -4^5 - 3^7 + 4^0 + 6^6 + 2^4 & 43767 &:= -4^2 - 3^7 - 7^3 + 6^6 - 7^3 \\
43256 &:= -4^2 - 3^1 - 2^8 - 5^5 + 6^6 & 43465 &:= -4^3 - 3^0 - 4^0 + 6^6 - 5^5 & 43768 &:= -4^1 - 3^9 + 7^5 + 6^6 - 8^1 \\
43258 &:= -4^8 - 3^9 - 2^2 + 5^8 - 8^6 & 43475 &:= -4^3 - 3^4 + 4^6 + 7^6 - 5^7 & 43769 &:= -4^7 - 3^0 + 7^4 - 6^4 + 9^5 \\
43259 &:= -4^7 + 3^0 - 2^5 + 5^4 + 9^5 & 43506 &:= -4^2 - 3^2 - 5^5 + 0^1 + 6^6 & 43784 &:= -4^3 + 3^8 + 7^5 + 8^4 + 4^7 \\
43263 &:= -4^6 - 3^3 + 2^0 + 6^6 + 3^6 & 43526 &:= -4^1 - 3^1 - 5^5 + 2^1 + 6^6 & 43789 &:= -4^2 - 3^9 + 7^3 + 8^4 + 9^5 \\
43265 &:= -4^4 - 3^2 - 2^0 + 6^6 - 5^5 & 43542 &:= -4^3 - 3^8 - 5^6 + 4^8 + 2^8 & 43835 &:= -4^3 - 3^6 - 8^5 - 3^6 + 5^7 \\
43276 &:= -4^5 - 3^7 - 2^9 + 7^3 + 6^6 & 43546 &:= -4^1 + 3^1 - 5^5 + 4^2 + 6^6 & 43866 &:= -4^6 + 3^2 + 8^0 + 6^4 + 6^6 \\
43286 &:= -4^6 + 3^6 - 2^2 + 8^0 + 6^6 & 43547 &:= -4^3 - 3^2 - 5^7 + 4^6 + 7^6 & 43895 &:= -4^1 - 3^6 - 8^5 - 9^3 + 5^7 \\
43292 &:= -4^7 + 3^5 + 2^7 + 9^5 + 2^8 & 43549 &:= -4^7 + 3^1 + 5^4 + 4^4 + 9^5 & 43896 &:= -4^5 - 3^8 + 8^4 + 9^3 + 6^6 \\
43293 &:= -4^7 + 3^3 - 2^7 + 9^5 + 3^6 & 43562 &:= -4^1 + 3^1 - 5^5 + 6^6 + 2^5 & 43898 &:= -4^4 + 3^6 + 8^4 + 9^4 + 8^5 \\
43295 &:= -4^1 + 3^1 - 2^7 + 9^5 - 5^6 & 43563 &:= -4^1 + 3^2 - 5^5 + 6^6 + 3^3 & 43922 &:= -4^7 + 3^6 + 9^5 + 2^4 + 2^9 \\
43296 &:= -4^6 - 3^0 + 2^3 + 9^3 + 6^6 & 43564 &:= -4^1 - 3^3 - 5^5 + 6^6 + 4^3 & 43926 &:= -4^7 - 3^1 + 9^5 - 2^5 + 6^4 \\
43298 &:= -4^7 + 3^6 - 2^5 + 9^5 - 8^2 & 43565 &:= -4^3 - 3^3 + 5^3 + 6^6 - 5^5 & 43942 &:= -4^7 - 3^1 + 9^5 + 4^5 + 2^8 \\
43324 &:= -4^7 + 3^6 - 3^8 + 2^2 + 4^8 & 43566 &:= -4^1 + 3^1 - 5^5 + 6^2 + 6^6 & 43943 &:= -4^6 + 3^7 - 9^0 + 4^8 - 3^9 \\
43326 &:= -4^5 - 3^7 + 3^2 - 2^7 + 6^6 & 43567 &:= -4^1 - 3^2 - 5^5 + 6^6 + 7^2 & 43944 &:= -4^7 - 3^0 + 9^5 + 4^4 + 4^5 \\
43329 &:= -4^7 - 3^0 + 3^6 - 2^6 + 9^5 & 43568 &:= -4^5 - 3^6 + 5^7 - 6^2 - 8^5 & 43945 &:= -4^7 + 3^6 - 9^4 + 4^8 + 5^4 \\
43345 &:= -4^1 - 3^0 - 3^8 + 4^8 - 5^6 & 43569 &:= -4^2 - 3^3 - 5^5 + 6^6 + 9^2 & 43960 &:= -4^7 - 3^0 + 9^5 + 6^4 + 0^1 \\
43362 &:= -4^5 - 3^4 - 3^7 + 6^6 - 2^1 & 43583 &:= -4^1 + 3^9 + 5^3 + 8^4 + 3^9 & 43961 &:= -4^7 - 3^0 + 9^5 + 6^4 + 1^0 \\
43363 &:= -4^5 - 3^0 - 3^4 + 6^6 - 3^7 & 43584 &:= -4^4 - 3^7 - 5^5 + 8^5 + 4^7 & 43962 &:= -4^1 - 3^7 + 9^1 + 6^6 - 2^9 \\
43365 &:= -4^1 - 3^4 - 3^4 + 6^6 - 5^5 & 43606 &:= -4^5 - 3^6 - 6^4 - 0^0 + 6^6 & 43963 &:= -4^7 + 3^0 + 9^5 + 6^4 + 3^0 \\
43369 &:= -4^6 - 3^0 + 3^4 + 6^6 + 9^3 & 43607 &:= -4^8 - 3^6 - 6^5 - 0^0 + 7^6 & 43964 &:= -4^7 - 3^0 + 9^5 + 6^4 + 4^1 \\
43382 &:= -4^2 + 3^9 + 3^9 + 8^4 - 2^6 & 43635 &:= -4^1 + 3^3 + 6^6 + 3^4 - 5^5 & 43965 &:= -4^5 + 3^6 + 9^3 + 6^6 - 5^5 \\
43384 &:= -4^1 - 3^8 - 3^9 + 8^4 + 4^8 & 43649 &:= -4^7 + 3^6 - 6^0 + 4^4 + 9^5 & 43966 &:= -4^7 - 3^0 + 9^5 + 6^1 + 6^4 \\
43386 &:= -4^7 - 3^8 + 3^9 - 8^1 + 6^6 & 43652 &:= -4^1 - 3^1 + 6^6 - 5^5 + 2^7 & 43967 &:= -4^7 - 3^0 + 9^5 + 6^4 + 7^1 \\
43388 &:= -4^3 + 3^3 + 3^8 + 8^4 + 8^5 & 43655 &:= -4^1 + 3^1 + 6^6 + 5^3 - 5^5 & 43968 &:= -4^7 - 3^0 + 9^5 + 6^4 + 8^1 \\
43389 &:= -4^3 - 3^2 - 3^9 + 8^4 + 9^5 & 43656 &:= -4^3 - 3^3 + 6^3 - 5^5 + 6^6 & 43969 &:= -4^7 - 3^0 + 9^1 + 6^4 + 9^5 \\
43390 &:= -4^7 - 3^1 + 3^6 + 9^5 - 0^0 & 43657 &:= -4^6 + 3^6 + 6^6 + 5^2 + 7^3 & 44176 &:= -4^2 - 4^3 + 1^0 - 7^4 + 6^6 \\
43392 &:= -4^7 - 3^0 + 3^6 + 9^5 - 2^0 & 43658 &:= -4^4 + 3^6 + 6^6 + 5^4 - 8^4 & 44236 &:= -4^6 + 4^0 - 2^9 + 3^7 + 6^6 \\
43394 &:= -4^7 + 3^0 + 3^6 + 9^5 - 4^0 & 43660 &:= -4^5 - 3^7 + 6^3 + 6^6 - 0^0 & 44267 &:= -4^1 - 4^2 + 2^5 + 6^6 - 7^4
\end{aligned}$$

$44269 := -4^8 + 4^6 + 2^2 + 6^6 + 9^5$	$44657 := -4^6 + 4^8 - 6^0 + 5^2 - 7^5$	$45234 := -4^7 - 5^5 - 2^6 - 3^6 + 4^8$
$44285 := -4^1 - 4^6 - 2^3 + 8^5 + 5^6$	$44665 := -4^7 + 4^3 - 6^4 + 6^6 + 5^6$	$45236 := -4^3 - 5^4 - 2^1 - 3^6 + 6^6$
$44288 := -4^4 + 4^7 - 2^9 + 8^5 - 8^4$	$44677 := -4^7 - 4^0 + 6^6 - 7^4 + 7^5$	$45238 := -4^3 + 5^7 - 2^6 + 3^2 - 8^5$
$44318 := -4^5 + 4^8 - 3^9 + 1^0 - 8^3$	$44687 := -4^2 - 4^3 + 6^6 + 8^3 - 7^4$	$45239 := -4^7 - 5^3 + 2^9 + 3^7 + 9^5$
$44328 := -4^6 + 4^7 - 3^6 + 2^0 + 8^5$	$44688 := -4^2 + 4^3 + 6^5 + 8^4 + 8^5$	$45246 := -4^5 + 5^3 - 2^9 + 4^0 + 6^6$
$44355 := -4^8 + 4^7 - 3^5 + 5^6 + 5^7$	$44690 := -4^5 - 4^5 + 6^6 + 9^2 + 0^0$	$45254 := -4^6 - 5^4 + 2^6 - 5^6 + 4^8$
$44358 := -4^5 + 4^2 + 3^2 + 5^7 - 8^5$	$44706 := -4^4 - 4^6 + 7^4 + 0^0 + 6^6$	$45256 := -4^5 - 5^3 - 2^8 + 5^1 + 6^6$
$44364 := -4^5 - 4^0 - 3^5 + 6^6 - 4^5$	$44714 := -4^6 - 4^7 - 7^3 + 1^0 + 4^8$	$45258 := -4^4 + 5^3 + 2^5 + 5^7 - 8^5$
$44366 := -4^5 - 4^5 - 3^5 + 6^0 + 6^6$	$44736 := -4^1 - 4^6 - 7^1 + 3^7 + 6^6$	$45259 := -4^7 - 5^6 - 2^7 + 5^7 - 9^3$
$44374 := -4^2 - 4^6 - 3^5 - 7^5 + 4^8$	$44739 := -4^3 - 4^7 - 7^2 + 3^7 + 9^5$	$45262 := -4^4 - 5^4 - 2^0 + 6^6 - 2^9$
$44395 := -4^7 + 4^5 + 3^4 + 9^5 + 5^4$	$44752 := -4^6 + 4^7 + 7^5 + 5^6 + 2^5$	$45263 := -4^5 - 5^3 - 2^0 + 6^6 - 3^5$
$44397 := -4^2 - 4^2 + 3^7 + 9^5 - 7^5$	$44754 := -4^1 - 4^6 - 7^5 + 5^3 + 4^8$	$45264 := -4^4 - 5^4 - 2^9 + 6^6 + 4^0$
$44398 := -4^5 + 4^8 - 3^9 + 9^2 - 8^3$	$44756 := -4^6 + 4^7 + 7^5 + 5^6 + 6^2$	$45276 := -4^5 - 5^1 - 2^3 - 7^3 + 6^6$
$44425 := -4^6 + 4^7 + 4^7 + 2^7 + 5^6$	$44757 := -4^6 + 4^8 - 7^0 + 5^3 - 7^5$	$45278 := -4^2 + 5^7 - 2^6 + 7^0 - 8^5$
$44436 := -4^2 - 4^0 - 4^2 - 3^7 + 6^6$	$44758 := -4^4 - 4^8 - 7^3 + 5^7 + 8^5$	$45279 := -4^7 + 5^5 - 2^9 + 7^0 + 9^5$
$44463 := -4^1 - 4^0 - 4^0 + 6^6 - 3^7$	$44759 := -4^4 - 4^7 - 7^5 + 5^7 + 9^2$	$45294 := -4^6 - 5^6 - 2^9 - 9^1 + 4^8$
$44465 := -4^6 + 4^4 + 4^5 + 6^6 + 5^4$	$44762 := -4^1 - 4^0 - 7^4 + 6^6 + 2^9$	$45296 := -4^1 - 5^4 - 2^1 - 9^3 + 6^6$
$44556 := -4^1 + 4^5 - 5^5 + 5^1 + 6^6$	$44794 := -4^2 - 4^4 + 7^4 + 9^5 - 4^7$	$45297 := -4^2 - 5^6 - 2^9 + 9^5 + 7^4$
$44558 := -4^6 + 4^4 + 5^1 + 5^6 + 8^5$	$44823 := -4^5 + 4^8 - 8^1 + 2^1 - 3^9$	$45298 := -4^1 + 5^7 - 2^6 + 9^1 - 8^5$
$44574 := -4^3 - 4^6 + 5^1 - 7^5 + 4^8$	$44825 := -4^1 - 4^2 - 8^5 - 2^9 + 5^7$	$45299 := -4^6 - 5^5 + 2^5 - 9^4 + 9^5$
$44576 := -4^5 - 4^5 - 5^2 - 7^1 + 6^6$	$44833 := -4^5 + 4^8 + 8^0 + 3^1 - 3^9$	$45324 := -4^2 - 5^0 - 3^9 - 2^9 + 4^8$
$44579 := -4^7 - 4^7 + 5^7 - 7^2 - 9^3$	$44845 := -4^4 - 4^4 + 8^5 - 4^8 + 5^7$	$45326 := -4^3 - 5^2 - 3^6 - 2^9 + 6^6$
$44588 := -4^4 - 4^0 + 5^7 - 8^3 - 8^5$	$44853 := -4^5 + 4^8 - 8^0 + 5^2 - 3^9$	$45328 := -4^1 + 5^7 - 3^3 + 2^1 - 8^5$
$44597 := -4^4 - 4^7 + 5^7 - 9^2 - 7^5$	$44862 := -4^4 - 4^5 - 8^3 + 6^6 - 2^1$	$45342 := -4^1 + 5^1 - 3^9 + 4^8 - 2^9$
$44598 := -4^5 + 4^4 + 5^7 + 9^1 - 8^5$	$44863 := -4^4 - 4^5 - 8^3 + 6^6 - 3^0$	$45346 := -4^1 + 5^4 - 3^7 + 4^4 + 6^6$
$44604 := -4^1 - 4^5 + 6^6 + 0^1 - 4^5$	$44864 := -4^4 - 4^5 + 8^3 + 6^6 - 4^5$	$45347 := -4^4 - 5^5 - 3^0 + 4^8 - 7^5$
$44606 := -4^5 - 4^5 - 6^0 - 0^0 + 6^6$	$44865 := -4^4 - 4^5 - 8^3 + 6^6 + 5^0$	$45348 := -4^1 + 5^7 - 3^2 + 4^1 - 8^5$
$44607 := -4^5 - 4^5 + 6^6 + 0^1 - 7^0$	$44887 := -4^6 + 4^7 - 8^3 + 8^5 + 7^3$	$45362 := -4^1 - 5^4 - 3^6 + 6^6 + 2^6$
$44608 := -4^5 - 4^5 + 6^6 + 0^0 - 8^0$	$44932 := -4^7 + 4^2 + 9^5 + 3^7 + 2^6$	$45363 := -4^5 + 5^0 - 3^3 + 6^6 - 3^5$
$44609 := -4^5 - 4^5 + 6^6 + 0^1 + 9^0$	$44953 := -4^5 + 4^8 - 9^0 + 5^3 - 3^9$	$45364 := -4^1 - 5^3 - 3^7 + 6^6 + 4^5$
$44610 := -4^5 - 4^5 + 6^6 + 1^0 + 0^0$	$44966 := -4^5 + 4^3 - 9^3 + 6^6 - 6^0$	$45365 := -4^5 + 5^0 - 3^5 + 6^6 - 5^2$
$44622 := -4^5 - 4^5 + 6^6 - 2^1 + 2^4$	$44967 := -4^2 - 4^0 + 9^3 + 6^6 - 7^4$	$45366 := -4^1 + 5^0 + 3^2 + 6^6 - 6^4$
$44623 := -4^5 - 4^5 + 6^6 + 2^4 - 3^0$	$44968 := -4^5 + 4^0 - 9^3 + 6^6 + 8^2$	$45368 := -4^1 + 5^4 + 3^7 + 6^6 - 8^4$
$44624 := -4^2 - 4^5 + 6^6 + 2^5 - 4^5$	$44974 := -4^6 - 4^7 - 9^2 - 7^0 + 4^8$	$45382 := -4^8 + 5^7 + 3^2 + 8^5 + 2^4$
$44625 := -4^2 - 4^8 - 6^7 - 2^9 + 5^8$	$44976 := -4^1 - 4^1 + 9^3 - 7^4 + 6^6$	$45383 := -4^8 + 5^7 - 3^0 + 8^5 + 3^3$
$44628 := -4^2 + 4^6 + 6^5 + 2^2 + 8^5$	$44977 := -4^6 + 4^8 + 9^0 + 7^3 - 7^5$	$45384 := -4^6 - 5^6 + 3^4 - 8^3 + 4^8$
$44634 := -4^5 - 4^0 + 6^6 + 3^3 - 4^5$	$44986 := -4^7 + 4^5 + 9^5 + 8^0 + 6^4$	$45385 := -4^8 + 5^0 + 3^3 + 8^5 + 5^7$
$44636 := -4^5 - 4^5 + 6^0 + 3^3 + 6^6$	$45006 := -4^5 - 5^4 - 0^0 + 0^1 + 6^6$	$45386 := -4^1 - 5^2 - 3^6 - 8^3 + 6^6$
$44637 := -4^6 + 4^8 + 6^0 + 3^1 - 7^5$	$45169 := -4^7 + 5^6 + 1^0 + 6^6 - 9^3$	$45388 := -4^1 + 5^7 + 3^3 + 8^1 - 8^5$
$44643 := -4^1 - 4^4 + 6^6 - 4^5 - 3^6$	$45183 := -4^5 + 5^6 + 1^0 + 8^5 - 3^7$	$45389 := -4^7 + 5^2 + 3^7 + 8^3 + 9^5$
$44645 := -4^2 - 4^5 + 6^6 - 4^6 + 5^5$	$45228 := -4^4 + 5^7 - 2^0 + 2^7 - 8^5$	$45407 := -4^7 + 5^7 - 4^7 + 0^0 + 7^2$

$$\begin{aligned}
45418 &:= -4^1 + 5^7 + 4^3 + 1^0 - 8^5 & 45604 &:= -4^1 - 5^2 + 6^6 + 0^0 - 4^5 & 45654 &:= -4^1 + 5^0 + 6^6 + 5^2 - 4^5 \\
45420 &:= -4^7 + 5^7 - 4^7 + 2^6 - 0^0 & 45605 &:= -4^5 - 5^0 + 6^6 - 0^0 - 5^2 & 45655 &:= -4^4 - 5^3 + 6^6 + 5^1 - 5^4 \\
45422 &:= -4^7 + 5^7 - 4^7 + 2^0 + 2^6 & 45606 &:= -4^5 - 5^2 - 6^0 + 0^1 + 6^6 & 45656 &:= -4^4 - 5^3 + 6^1 - 5^4 + 6^6 \\
45433 &:= -4^5 - 5^3 + 4^8 + 3^6 - 3^9 & 45607 &:= -4^5 - 5^2 + 6^6 - 0^0 + 7^0 & 45657 &:= -4^4 - 5^3 + 6^6 - 5^4 + 7^1 \\
45434 &:= -4^1 + 5^7 - 4^7 + 3^4 - 4^7 & 45608 &:= -4^5 - 5^2 + 6^6 + 0^1 + 8^0 & 45658 &:= -4^4 - 5^3 + 6^6 - 5^4 + 8^1 \\
45436 &:= -4^1 - 5^5 + 4^6 - 3^7 + 6^6 & 45609 &:= -4^5 - 5^2 + 6^6 + 0^0 + 9^0 & 45659 &:= -4^4 - 5^3 + 6^6 - 5^4 + 9^1 \\
45437 &:= -4^7 + 5^7 - 4^7 + 3^4 - 7^0 & 45612 &:= -4^5 - 5^1 + 6^6 + 1^0 - 2^4 & 45662 &:= -4^5 - 5^0 - 6^0 + 6^6 + 2^5 \\
45438 &:= -4^1 + 5^7 + 4^1 + 3^4 - 8^5 & 45614 &:= -4^2 - 5^0 + 6^6 - 1^0 - 4^5 & 45663 &:= -4^5 + 5^1 - 6^0 + 6^6 + 3^3 \\
45439 &:= -4^5 - 5^7 + 4^8 + 3^1 + 9^5 & 45618 &:= -4^5 - 5^1 + 6^6 - 1^0 - 8^1 & 45664 &:= -4^5 - 5^1 + 6^2 + 6^6 + 4^0 \\
45453 &:= -4^5 - 5^0 + 4^8 + 5^4 - 3^9 & 45619 &:= -4^5 - 5^1 + 6^6 + 1^0 - 9^1 & 45666 &:= -4^5 - 5^0 - 6^0 + 6^2 + 6^6 \\
45463 &:= -4^4 - 5^5 + 4^0 + 6^6 + 3^7 & 45620 &:= -4^5 - 5^1 + 6^6 - 2^3 + 0^0 & 45668 &:= -4^2 + 5^5 - 6^0 + 6^6 - 8^4 \\
45471 &:= -4^6 - 5^6 + 4^8 - 7^3 - 1^0 & 45622 &:= -4^5 - 5^0 + 6^6 - 2^0 - 2^3 & 45669 &:= -4^4 - 5^0 - 6^0 + 6^6 - 9^3 \\
45472 &:= -4^1 - 5^5 + 4^8 - 7^5 - 2^7 & 45623 &:= -4^5 - 5^0 + 6^6 + 2^0 - 3^2 & 45671 &:= -4^2 - 5^4 + 6^6 - 7^3 - 1^0 \\
45473 &:= -4^4 - 5^3 + 4^8 + 7^0 - 3^9 & 45624 &:= -4^1 - 5^1 + 6^6 + 2^0 - 4^5 & 45672 &:= -4^1 - 5^3 + 6^6 - 7^3 - 2^9 \\
45474 &:= -4^6 - 5^1 + 4^7 + 7^5 + 4^7 & 45625 &:= -4^5 - 5^0 + 6^6 - 2^0 - 5^1 & 45673 &:= -4^2 - 5^4 + 6^6 - 7^3 + 3^0 \\
45475 &:= -4^1 - 5^3 + 4^8 - 7^5 - 5^5 & 45626 &:= -4^5 - 5^0 - 6^0 - 2^2 + 6^6 & 45674 &:= -4^5 + 5^2 + 6^6 + 7^0 + 4^2 \\
45478 &:= -4^6 - 5^0 + 4^8 + 7^5 - 8^5 & 45627 &:= -4^5 + 5^0 + 6^6 + 2^0 - 7^1 & 45675 &:= -4^4 - 5^0 + 6^6 + 7^4 - 5^5 \\
45493 &:= -4^7 + 5^4 + 4^2 + 9^5 + 3^7 & 45628 &:= -4^5 - 5^0 + 6^6 - 2^1 - 8^0 & 45676 &:= -4^5 + 5^0 - 6^1 + 7^2 + 6^6 \\
45498 &:= -4^1 + 5^7 + 4^3 + 9^2 - 8^5 & 45629 &:= -4^5 - 5^0 + 6^6 - 2^0 - 9^0 & 45677 &:= -4^1 - 5^4 + 6^6 - 7^1 - 7^3 \\
45506 &:= -4^5 - 5^0 - 5^3 + 0^1 + 6^6 & 45630 &:= -4^5 - 5^0 + 6^6 - 3^0 + 0^1 & 45678 &:= -4^2 + 5^7 - 6^1 + 7^3 - 8^5 \\
45523 &:= -4^7 - 5^6 + 5^7 - 2^9 - 3^4 & 45631 &:= -4^5 - 5^0 + 6^6 - 3^0 + 1^0 & 45679 &:= -4^4 + 5^0 + 6^6 + 7^1 - 9^3 \\
45529 &:= -4^5 + 5^5 - 5^6 + 2^2 + 9^5 & 45632 &:= -4^5 - 5^0 + 6^6 - 3^0 + 2^1 & 45682 &:= -4^6 + 5^5 + 6^6 + 8^0 - 2^2 \\
45546 &:= -4^5 - 5^2 - 5^3 + 4^3 + 6^6 & 45633 &:= -4^1 - 5^5 + 6^6 - 3^4 + 3^7 & 45683 &:= -4^6 + 5^5 + 6^6 + 8^0 - 3^1 \\
45548 &:= -4^3 - 5^0 + 5^7 + 4^4 - 8^5 & 45634 &:= -4^1 + 5^1 + 6^6 + 3^0 - 4^5 & 45685 &:= -4^6 - 5^0 + 6^6 + 8^0 + 5^5 \\
45560 &:= -4^6 - 5^3 + 5^5 + 6^6 + 0^1 & 45635 &:= -4^5 + 5^0 + 6^6 + 3^0 + 5^0 & 45687 &:= -4^5 + 5^1 + 6^6 + 8^0 + 7^2 \\
45561 &:= -4^6 - 5^3 + 5^5 + 6^6 + 1^0 & 45636 &:= -4^1 - 5^3 + 6^4 - 3^7 + 6^6 & 45689 &:= -4^5 - 5^2 + 6^6 + 8^0 + 9^2 \\
45562 &:= -4^5 - 5^0 - 5^1 + 6^6 - 2^6 & 45637 &:= -4^5 - 5^0 + 6^6 - 3^0 + 7^1 & 45692 &:= -4^4 - 5^4 + 6^6 - 9^2 - 2^1 \\
45563 &:= -4^5 - 5^2 - 5^3 + 6^6 + 3^4 & 45638 &:= -4^2 - 5^5 + 6^6 + 3^7 - 8^2 & 45693 &:= -4^2 - 5^5 + 6^6 - 9^1 + 3^7 \\
45564 &:= -4^3 + 5^0 - 5^1 + 6^6 - 4^5 & 45639 &:= -4^4 - 5^1 + 6^6 - 3^3 - 9^3 & 45694 &:= -4^3 + 5^3 + 6^6 + 9^0 - 4^5 \\
45565 &:= -4^6 + 5^1 - 5^3 + 6^6 + 5^5 & 45640 &:= -4^5 + 5^1 + 6^6 + 4^1 - 0^0 & 45695 &:= -4^4 - 5^0 + 6^6 - 9^3 + 5^2 \\
45566 &:= -4^5 - 5^1 - 5^2 - 6^2 + 6^6 & 45642 &:= -4^5 + 5^0 + 6^6 + 4^0 + 2^3 & 45697 &:= -4^7 + 5^4 + 6^1 + 9^5 + 7^4 \\
45567 &:= -4^6 - 5^3 + 5^5 + 6^6 + 7^1 & 45643 &:= -4^5 + 5^0 + 6^6 + 4^0 + 3^2 & 45698 &:= -4^5 + 5^0 + 6^6 + 9^0 + 8^2 \\
45568 &:= -4^1 - 5^0 + 5^7 + 6^3 - 8^5 & 45644 &:= -4^5 - 5^1 + 6^6 + 4^0 + 4^2 & 45699 &:= -4^5 - 5^1 + 6^6 - 9^1 + 9^2 \\
45569 &:= -4^4 - 5^3 - 5^4 + 6^6 - 9^2 & 45646 &:= -4^5 - 5^0 - 6^0 + 4^2 + 6^6 & 45706 &:= -4^5 + 5^2 + 7^2 + 0^1 + 6^6 \\
45583 &:= -4^2 - 5^0 + 5^7 - 8^5 + 3^5 & 45648 &:= -4^5 + 5^0 + 6^6 + 4^2 - 8^0 & 45726 &:= -4^1 + 5^6 - 7^5 + 2^8 + 6^6 \\
45584 &:= -4^1 - 5^2 + 5^7 - 8^5 + 4^4 & 45648 &:= -4^5 - 5^0 + 6^6 + 4^2 + 8^0 & 45728 &:= -4^1 + 5^7 + 7^3 + 2^5 - 8^5 \\
45586 &:= -4^4 - 5^3 - 5^4 - 8^2 + 6^6 & 45649 &:= -4^5 + 5^2 + 6^6 + 4^0 - 9^1 & 45729 &:= -4^3 - 5^6 + 7^4 - 2^5 + 9^5 \\
45588 &:= -4^4 - 5^2 + 5^7 + 8^3 - 8^5 & 45650 &:= -4^4 - 5^3 + 6^6 - 5^4 + 0^1 & 45743 &:= -4^3 - 5^7 + 7^6 + 4^6 + 3^7 \\
45589 &:= -4^5 + 5^5 - 5^6 + 8^2 + 9^5 & 45651 &:= -4^4 - 5^3 + 6^6 - 5^4 + 1^0 & 45744 &:= -4^3 - 5^6 - 7^1 - 4^6 + 4^8 \\
45602 &:= -4^5 + 5^0 + 6^6 + 0^0 - 2^5 & 45652 &:= -4^4 - 5^3 + 6^6 - 5^4 + 2^1 & 45745 &:= -4^7 - 5^4 + 7^3 + 4^8 - 5^5 \\
45603 &:= -4^5 - 5^0 + 6^6 - 0^0 - 3^3 & 45653 &:= -4^3 - 5^0 + 6^6 - 5^5 + 3^7 & 45746 &:= -4^5 + 5^0 + 7^2 + 4^3 + 6^6
\end{aligned}$$

$$\begin{aligned}
45748 &:= -4^2 + 5^7 + 7^3 + 4^3 - 8^5 & 45893 &:= -4^7 - 5^4 + 8^4 + 9^5 - 3^5 & 46176 &:= -4^4 - 6^3 - 1^0 - 7^1 + 6^6 \\
45762 &:= -4^3 + 5^2 - 7^3 + 6^6 - 2^9 & 45894 &:= -4^4 + 5^7 - 8^5 + 9^3 + 4^3 & 46178 &:= -4^2 + 6^6 + 1^0 + 7^2 - 8^3 \\
45763 &:= -4^1 - 5^5 + 7^2 + 6^6 + 3^7 & 45896 &:= -4^4 - 5^0 - 8^3 + 9^1 + 6^6 & 46186 &:= -4^4 - 6^3 + 1^0 + 8^0 + 6^6 \\
45764 &:= -4^1 - 5^4 - 7^1 + 6^6 - 4^4 & 45899 &:= -4^2 + 5^2 + 8^5 + 9^4 + 9^4 & 46204 &:= -4^1 + 6^6 - 2^9 + 0^1 + 4^3 \\
45765 &:= -4^5 + 5^0 + 7^1 + 6^6 + 5^3 & 45906 &:= -4^2 - 5^1 - 9^3 + 0^1 + 6^6 & 46205 &:= -4^3 + 6^6 - 2^9 + 0^1 + 5^3 \\
45767 &:= -4^4 - 5^4 - 7^0 + 6^6 - 7^1 & 45922 &:= -4^7 + 5^5 + 9^5 + 2^2 + 2^7 & 46208 &:= -4^3 + 6^6 + 2^7 + 0^1 - 8^3 \\
45768 &:= -4^4 - 5^4 + 7^0 + 6^6 - 8^1 & 45926 &:= -4^1 + 5^0 - 9^3 + 2^1 + 6^6 & 46209 &:= -4^2 + 6^6 - 2^9 + 0^1 + 9^2 \\
45769 &:= -4^4 - 5^4 - 7^1 + 6^6 + 9^0 & 45942 &:= -4^6 - 5^6 - 9^0 + 4^8 + 2^7 & 46223 &:= -4^1 + 6^6 - 2^9 + 2^1 + 3^4 \\
45786 &:= -4^5 - 5^3 + 7^3 - 8^2 + 6^6 & 45943 &:= -4^2 + 5^2 + 9^2 + 4^8 - 3^9 & 46224 &:= -4^2 + 6^6 - 2^9 + 2^5 + 4^3 \\
45788 &:= -4^7 + 5^7 + 7^5 + 8^1 - 8^5 & 45945 &:= -4^7 - 5^0 - 9^2 + 4^8 - 5^5 & 46225 &:= -4^3 + 6^6 + 2^1 + 2^8 - 5^4 \\
45790 &:= -4^7 + 5^5 + 7^0 + 9^5 - 0^0 & 45946 &:= -4^8 + 5^8 + 9^3 + 4^3 - 6^7 & 46227 &:= -4^4 + 6^6 - 2^7 + 2^2 - 7^2 \\
45790 &:= -4^7 + 5^5 - 7^0 + 9^5 + 0^0 & 45947 &:= -4^3 - 5^7 - 9^5 + 4^8 + 7^6 & 46229 &:= -4^1 + 6^6 - 2^9 + 2^3 + 9^2 \\
45792 &:= -4^7 + 5^5 + 7^0 + 9^5 + 2^0 & 45948 &:= -4^5 - 5^7 + 9^5 + 4^8 + 8^3 & 46232 &:= -4^5 + 6^6 - 2^0 + 3^6 - 2^7 \\
45796 &:= -4^7 + 5^5 + 7^1 + 9^5 - 6^0 & 45962 &:= -4^1 - 5^2 - 9^3 + 6^6 + 2^6 & 46234 &:= -4^5 + 6^6 - 2^7 + 3^6 + 4^0 \\
45798 &:= -4^7 + 5^5 + 7^1 + 9^5 + 8^0 & 45963 &:= -4^2 + 5^2 - 9^3 + 6^6 + 3^3 & 46235 &:= -4^5 + 6^6 - 2^0 + 3^6 - 5^3 \\
45824 &:= -4^6 - 5^6 + 8^0 + 2^3 + 4^8 & 45964 &:= -4^1 + 5^2 - 9^3 + 6^6 + 4^2 & 46243 &:= -4^1 + 6^6 + 2^6 + 4^4 - 3^6 \\
45830 &:= -4^4 + 5^7 - 8^5 + 3^6 + 0^1 & 45965 &:= -4^3 - 5^0 - 9^0 + 6^6 - 5^4 & 46245 &:= -4^5 + 6^6 - 2^4 + 4^1 + 5^4 \\
45831 &:= -4^4 + 5^7 - 8^5 + 3^6 + 1^0 & 45967 &:= -4^1 - 5^1 - 9^3 + 6^6 + 7^2 & 46246 &:= -4^4 - 6^3 - 2^1 + 4^3 + 6^6 \\
45832 &:= -4^3 + 5^7 - 8^5 + 3^3 + 2^9 & 45968 &:= -4^3 - 5^4 + 9^1 + 6^6 - 8^1 & 46247 &:= -4^4 + 6^6 - 2^9 + 4^2 + 7^3 \\
45833 &:= -4^4 + 5^7 - 8^5 + 3^1 + 3^6 & 45969 &:= -4^3 + 5^2 + 9^2 + 6^6 - 9^3 & 46249 &:= -4^5 + 6^6 - 2^7 + 4^2 + 9^3 \\
45834 &:= -4^4 + 5^7 - 8^5 + 3^6 + 4^1 & 45982 &:= -4^7 + 5^5 + 9^5 + 8^2 + 2^7 & 46250 &:= -4^5 + 6^6 - 2^3 + 5^4 + 0^0 \\
45835 &:= -4^4 + 5^1 - 8^5 + 3^6 + 5^7 & 45984 &:= -4^5 - 5^6 + 9^5 - 8^3 + 4^6 & 46252 &:= -4^2 + 6^6 - 2^0 + 5^3 - 2^9 \\
45836 &:= -4^2 - 5^4 + 8^2 - 3^5 + 6^6 & 45986 &:= -4^1 - 5^0 - 9^3 + 8^2 + 6^6 & 46253 &:= -4^5 + 6^6 - 2^0 + 5^4 - 3^1 \\
45837 &:= -4^4 - 5^7 + 8^1 + 3^8 + 7^6 & 45987 &:= -4^1 + 5^6 - 9^0 + 8^5 - 7^4 & 46254 &:= -4^1 + 6^6 + 2^0 + 5^4 - 4^5 \\
45838 &:= -4^4 + 5^7 + 8^1 + 3^6 - 8^5 & 46015 &:= -4^2 + 6^6 - 0^0 + 1^0 - 5^4 & 46255 &:= -4^5 + 6^6 - 2^0 + 5^4 - 5^0 \\
45839 &:= -4^4 + 5^7 - 8^5 + 3^2 + 9^3 & 46025 &:= -4^7 + 6^6 + 0^1 + 2^7 + 5^6 & 46256 &:= -4^5 + 6^0 - 2^1 + 5^4 + 6^6 \\
45843 &:= -4^1 - 5^1 - 8^0 + 4^8 - 3^9 & 46035 &:= -4^1 + 6^6 - 0^0 + 3^2 - 5^4 & 46257 &:= -4^5 + 6^6 + 2^0 + 5^4 - 7^0 \\
45852 &:= -4^2 - 5^0 - 8^5 + 5^7 + 2^9 & 46057 &:= -4^4 + 6^6 - 0^0 + 5^0 - 7^3 & 46257 &:= -4^5 + 6^6 - 2^0 + 5^4 + 7^0 \\
45854 &:= -4^3 + 5^4 - 8^5 + 5^7 - 4^3 & 46075 &:= -4^1 + 6^6 - 0^0 + 7^2 - 5^4 & 46258 &:= -4^5 + 6^6 + 2^1 + 5^4 - 8^0 \\
45858 &:= -4^2 + 5^1 + 8^3 + 5^7 - 8^5 & 46082 &:= -4^3 + 6^6 + 0^0 + 8^0 - 2^9 & 46259 &:= -4^5 + 6^6 + 2^0 + 5^4 + 9^0 \\
45859 &:= -4^7 + 5^1 + 8^2 + 5^5 + 9^5 & 46088 &:= -4^3 + 6^6 + 0^1 + 8^1 - 8^3 & 46262 &:= -4^1 - 6^1 - 2^7 + 6^6 - 2^8 \\
45862 &:= -4^4 - 5^2 - 8^0 + 6^6 - 2^9 & 46095 &:= -4^2 + 6^6 - 0^0 + 9^2 - 5^4 & 46263 &:= -4^2 - 6^1 - 2^7 + 6^6 - 3^5 \\
45863 &:= -4^3 + 5^0 - 8^0 + 6^6 - 3^6 & 46126 &:= -4^2 - 6^0 - 1^0 - 2^9 + 6^6 & 46264 &:= -4^3 - 6^3 - 2^7 + 6^6 + 4^2 \\
45863 &:= -4^3 - 5^0 + 8^0 + 6^6 - 3^6 & 46128 &:= -4^2 + 6^6 - 1^0 + 2^0 - 8^3 & 46265 &:= -4^1 - 6^1 - 2^8 + 6^6 - 5^3 \\
45864 &:= -4^4 - 5^2 - 8^3 + 6^6 + 4^0 & 46132 &:= -4^2 + 6^6 + 1^0 + 3^1 - 2^9 & 46267 &:= -4^1 - 6^3 - 2^9 + 6^6 + 7^3 \\
45867 &:= -4^3 - 5^5 - 8^0 + 6^6 + 7^4 & 46137 &:= -4^4 + 6^6 - 1^0 + 3^4 - 7^3 & 46268 &:= -4^4 - 6^2 - 2^5 + 6^6 - 8^2 \\
45869 &:= -4^3 + 5^1 + 8^0 + 6^6 - 9^3 & 46138 &:= -4^2 + 6^6 + 1^0 + 3^2 - 8^3 & 46269 &:= -4^4 + 6^1 - 2^7 + 6^6 - 9^1 \\
45872 &:= -4^1 + 5^7 - 8^5 + 7^1 + 2^9 & 46142 &:= -4^1 + 6^6 + 1^0 + 4^0 - 2^9 & 46272 &:= -4^4 + 6^6 - 2^0 + 7^0 - 2^7 \\
45876 &:= -4^3 - 5^5 + 8^1 + 7^4 + 6^6 & 46144 &:= -4^4 + 6^6 - 1^0 + 4^0 - 4^4 & 46274 &:= -4^4 + 6^6 - 2^7 + 7^0 + 4^0 \\
45879 &:= -4^4 + 5^7 - 8^5 + 7^2 + 9^3 & 46152 &:= -4^2 + 6^6 - 1^0 + 5^2 - 2^9 & 46275 &:= -4^4 + 6^6 - 2^0 + 7^0 - 5^3 \\
45886 &:= -4^4 - 5^0 - 8^0 - 8^3 + 6^6 & 46154 &:= -4^7 + 6^6 + 1^0 + 5^6 + 4^4 & 46276 &:= -4^1 - 6^0 - 2^5 - 7^3 + 6^6
\end{aligned}$$

$46278 := -4^4 + 6^6 - 2^7 + 7^1 - 8^0$	$46351 := -4^3 + 6^6 - 3^5 + 5^0 + 1^0$	$46398 := -4^2 + 6^6 - 3^5 + 9^1 - 8^1$
$46280 := -4^4 + 6^6 - 2^7 + 8^1 + 0^1$	$46352 := -4^3 + 6^6 - 3^2 + 5^2 - 2^8$	$46399 := -4^2 + 6^6 - 3^5 + 9^0 + 9^0$
$46281 := -4^4 + 6^6 - 2^7 + 8^1 + 1^0$	$46353 := -4^1 + 6^6 - 3^4 + 5^2 - 3^5$	$46400 := -4^4 + 6^6 - 4^0 + 0^0 + 0^1$
$46282 := -4^4 + 6^6 + 2^1 + 8^1 - 2^7$	$46354 := -4^3 + 6^6 - 3^5 + 5^0 + 4^1$	$46401 := -4^4 + 6^6 - 4^0 + 0^0 + 1^0$
$46283 := -4^4 + 6^6 - 2^7 + 8^1 + 3^1$	$46355 := -4^3 + 6^6 - 3^5 + 5^0 + 5^1$	$46402 := -4^4 + 6^6 - 4^0 + 0^0 + 2^1$
$46284 := -4^4 + 6^6 - 2^7 + 8^1 + 4^1$	$46356 := -4^1 - 6^3 - 3^4 + 5^0 + 6^6$	$46403 := -4^4 + 6^6 + 4^0 + 0^0 + 3^0$
$46285 := -4^4 + 6^6 + 2^1 + 8^1 - 5^3$	$46357 := -4^3 + 6^6 - 3^5 + 5^0 + 7^1$	$46404 := -4^4 + 6^6 - 4^0 + 0^0 + 4^1$
$46286 := -4^4 + 6^1 - 2^7 + 8^1 + 6^6$	$46358 := -4^2 + 6^6 - 3^5 + 5^2 - 8^2$	$46405 := -4^4 + 6^6 - 4^0 + 0^0 + 5^1$
$46287 := -4^4 + 6^6 - 2^7 + 8^1 + 7^1$	$46359 := -4^3 + 6^6 - 3^5 + 5^0 + 9^1$	$46406 := -4^4 + 6^0 + 4^1 + 0^0 + 6^6$
$46288 := -4^4 + 6^6 - 2^7 + 8^1 + 8^1$	$46360 := -4^2 - 6^2 - 3^5 + 6^6 - 0^0$	$46407 := -4^4 + 6^6 - 4^0 + 0^0 + 7^1$
$46289 := -4^4 + 6^6 - 2^7 + 8^1 + 9^1$	$46361 := -4^5 + 6^0 + 3^6 + 6^6 - 1^0$	$46408 := -4^4 + 6^6 - 4^0 + 0^0 + 8^1$
$46296 := -4^3 - 6^3 + 2^0 - 9^2 + 6^6$	$46361 := -4^5 - 6^0 + 3^6 + 6^6 + 1^0$	$46409 := -4^4 + 6^6 - 4^0 + 0^0 + 9^1$
$46297 := -4^2 + 6^6 - 2^0 + 9^0 - 7^3$	$46362 := -4^2 - 6^2 - 3^5 + 6^6 + 2^0$	$46416 := -4^4 - 6^0 + 4^2 + 1^0 + 6^6$
$46298 := -4^5 + 6^6 + 2^0 + 9^3 - 8^2$	$46363 := -4^4 - 6^0 - 3^2 + 6^6 - 3^3$	$46418 := -4^4 + 6^6 + 4^2 + 1^0 + 8^0$
$46304 := -4^2 + 6^6 - 3^4 + 0^0 - 4^4$	$46364 := -4^3 + 6^0 + 3^3 + 6^6 - 4^4$	$46420 := -4^4 + 6^6 + 4^1 + 2^4 + 0^1$
$46307 := -4^1 + 6^6 - 3^1 + 0^0 - 7^3$	$46365 := -4^4 - 6^0 - 3^2 + 6^6 - 5^2$	$46421 := -4^4 + 6^6 + 4^1 + 2^4 + 1^0$
$46312 := -4^4 + 6^6 - 3^4 + 1^0 - 2^3$	$46366 := -4^3 - 6^0 - 3^2 - 6^3 + 6^6$	$46422 := -4^4 + 6^6 + 4^1 + 2^1 + 2^4$
$46315 := -4^4 + 6^6 - 3^4 + 1^0 - 5^1$	$46367 := -4^4 + 6^0 - 3^3 + 6^6 - 7^1$	$46423 := -4^2 + 6^6 + 4^4 + 2^8 - 3^6$
$46319 := -4^4 + 6^6 - 3^0 + 1^0 - 9^2$	$46368 := -4^3 - 6^3 - 3^2 + 6^6 + 8^0$	$46424 := -4^1 + 6^6 - 4^1 + 2^5 - 4^4$
$46320 := -4^4 + 6^6 - 3^4 + 2^0 + 0^1$	$46369 := -4^5 - 6^0 + 3^2 + 6^6 + 9^3$	$46425 := -4^1 + 6^6 - 4^4 + 2^2 + 5^2$
$46321 := -4^4 + 6^6 - 3^4 + 2^0 + 1^0$	$46372 := -4^2 + 6^6 + 3^5 + 7^0 - 2^9$	$46426 := -4^2 - 6^3 + 4^0 + 2^0 + 6^6$
$46322 := -4^4 + 6^6 - 3^4 + 2^0 + 2^1$	$46373 := -4^4 + 6^6 - 3^0 + 7^0 - 3^3$	$46427 := -4^1 + 6^6 - 4^4 + 2^5 - 7^0$
$46323 := -4^3 + 6^6 - 3^3 + 2^0 - 3^5$	$46375 := -4^3 + 6^6 - 3^5 + 7^0 + 5^2$	$46428 := -4^1 + 6^6 + 4^4 + 2^5 - 8^3$
$46324 := -4^4 + 6^6 - 3^4 + 2^0 + 4^1$	$46376 := -4^2 - 6^3 + 3^0 - 7^2 + 6^6$	$46429 := -4^1 + 6^6 - 4^4 + 2^5 + 9^0$
$46325 := -4^3 + 6^6 - 3^5 + 2^0 - 5^2$	$46378 := -4^2 + 6^6 + 3^5 + 7^1 - 8^3$	$46430 := -4^4 + 6^6 + 4^1 + 3^3 - 0^0$
$46326 := -4^3 - 6^0 - 3^2 - 2^8 + 6^6$	$46379 := -4^4 + 6^6 - 3^3 + 7^1 - 9^0$	$46432 := -4^4 + 6^6 - 4^0 + 3^0 + 2^5$
$46327 := -4^4 + 6^6 - 3^4 + 2^0 + 7^1$	$46380 := -4^4 + 6^6 - 3^3 + 8^1 - 0^0$	$46435 := -4^4 + 6^6 + 4^0 + 3^2 + 5^2$
$46328 := -4^4 + 6^6 - 3^2 + 2^0 - 8^2$	$46382 := -4^2 + 6^6 - 3^1 + 8^0 - 2^8$	$46436 := -4^1 - 6^3 + 4^0 - 3^0 + 6^6$
$46329 := -4^1 + 6^6 - 3^5 + 2^0 - 9^2$	$46383 := -4^1 + 6^6 - 3^3 + 8^0 - 3^5$	$46436 := -4^1 - 6^3 - 4^0 + 3^0 + 6^6$
$46332 := -4^3 + 6^6 + 3^2 + 3^5 - 2^9$	$46384 := -4^2 + 6^6 - 3^0 + 8^0 - 4^4$	$46437 := -4^1 + 6^6 - 4^0 + 3^7 - 7^4$
$46333 := -4^5 + 6^6 - 3^0 + 3^6 - 3^3$	$46385 := -4^1 + 6^6 - 3^5 + 8^0 - 5^2$	$46444 := -4^1 + 6^6 - 4^2 + 4^3 - 4^4$
$46334 := -4^2 + 6^6 - 3^5 + 3^0 - 4^3$	$46386 := -4^3 + 6^2 - 3^5 + 8^0 + 6^6$	$46445 := -4^4 + 6^6 + 4^1 + 4^2 + 5^2$
$46335 := -4^5 + 6^6 - 3^0 + 3^6 - 5^2$	$46388 := -4^5 + 6^6 + 3^5 + 8^0 + 8^3$	$46447 := -4^2 + 6^6 - 4^4 + 4^3 - 7^0$
$46336 := -4^4 - 6^2 - 3^0 - 3^3 + 6^6$	$46389 := -4^2 + 6^6 - 3^5 + 8^0 - 9^1$	$46448 := -4^2 + 6^6 + 4^3 + 4^4 - 8^3$
$46337 := -4^1 + 6^6 + 3^0 + 3^3 - 7^3$	$46391 := -4^4 + 6^6 - 3^2 + 9^0 - 1^0$	$46449 := -4^2 + 6^6 - 4^4 + 4^3 + 9^0$
$46338 := -4^4 + 6^6 + 3^0 + 3^0 - 8^2$	$46392 := -4^1 + 6^6 + 3^5 + 9^1 - 2^9$	$46453 := -4^4 + 6^6 + 4^0 + 5^2 + 3^3$
$46342 := -4^3 + 6^6 - 3^5 + 4^0 - 2^3$	$46393 := -4^4 + 6^6 + 3^0 + 9^0 - 3^2$	$46462 := -4^3 - 6^0 - 4^0 + 6^6 - 2^7$
$46345 := -4^3 + 6^6 - 3^5 + 4^0 - 5^1$	$46394 := -4^1 + 6^6 - 3^1 + 9^0 - 4^4$	$46464 := -4^4 + 6^0 - 4^0 + 6^6 + 4^3$
$46348 := -4^2 - 6^0 - 3^9 + 4^8 + 8^3$	$46395 := -4^3 + 6^6 - 3^4 + 9^1 - 5^3$	$46464 := -4^4 - 6^0 + 4^0 + 6^6 + 4^3$
$46349 := -4^3 + 6^6 - 3^5 + 4^0 - 9^0$	$46396 := -4^2 - 6^3 - 3^3 - 9^0 + 6^6$	$46465 := -4^1 - 6^3 + 4^1 + 6^6 + 5^2$
$46350 := -4^3 + 6^6 - 3^5 + 5^0 + 0^1$	$46397 := -4^2 + 6^6 - 3^5 + 9^0 - 7^0$	$46466 := -4^4 + 6^0 + 4^3 + 6^0 + 6^6$

$$\begin{aligned}
46469 &:= -4^4 + 6^1 + 4^3 + 6^6 - 9^0 & 46536 &:= -4^1 + 6^1 - 5^3 + 3^1 + 6^6 & 46592 &:= -4^1 + 6^6 - 5^1 + 9^1 - 2^6 \\
46470 &:= -4^4 + 6^6 + 4^3 + 7^1 - 0^0 & 46537 &:= -4^1 + 6^6 - 5^3 + 3^1 + 7^1 & 46593 &:= -4^2 + 6^6 + 5^2 + 9^1 - 3^4 \\
46472 &:= -4^2 + 6^6 + 4^0 + 7^3 - 2^9 & 46538 &:= -4^1 + 6^6 - 5^3 + 3^1 + 8^1 & 46594 &:= -4^1 + 6^6 + 5^1 + 9^0 - 4^3 \\
46475 &:= -4^3 + 6^6 + 4^0 + 7^1 - 5^3 & 46539 &:= -4^1 + 6^6 - 5^3 + 3^1 + 9^1 & 46595 &:= -4^2 + 6^6 - 5^0 + 9^2 - 5^3 \\
46480 &:= -4^4 + 6^6 + 4^2 + 8^2 + 0^1 & 46540 &:= -4^4 + 6^6 + 5^3 + 4^2 - 0^0 & 46596 &:= -4^2 - 6^2 + 5^0 - 9^1 + 6^6 \\
46481 &:= -4^4 + 6^6 + 4^2 + 8^2 + 1^0 & 46542 &:= -4^1 + 6^6 - 5^3 + 4^2 - 2^0 & 46597 &:= -4^2 + 6^6 + 5^1 + 9^0 - 7^2 \\
46482 &:= -4^4 + 6^6 + 4^2 + 8^2 + 2^1 & 46543 &:= -4^2 + 6^6 - 5^3 + 4^0 + 3^3 & 46598 &:= -4^1 + 6^6 + 5^0 + 9^1 - 8^2 \\
46483 &:= -4^4 + 6^6 + 4^0 + 8^0 + 3^4 & 46544 &:= -4^1 + 6^6 - 5^3 + 4^0 + 4^2 & 46599 &:= -4^1 + 6^6 - 5^3 + 9^2 - 9^1 \\
46484 &:= -4^4 + 6^6 + 4^1 + 8^2 + 4^2 & 46549 &:= -4^1 + 6^6 + 5^4 + 4^0 - 9^3 & 46600 &:= -4^3 + 6^1 + 6^6 + 0^0 + 0^0 \\
46485 &:= -4^1 + 6^6 - 4^4 + 8^2 + 5^2 & 46550 &:= -4^4 + 6^6 + 5^2 + 5^3 + 0^1 & 46602 &:= -4^2 - 6^1 + 6^6 + 0^1 - 2^5 \\
46486 &:= -4^4 + 6^1 + 4^2 + 8^2 + 6^6 & 46551 &:= -4^1 + 6^6 - 5^3 + 5^2 - 1^0 & 46603 &:= -4^2 - 6^2 + 6^6 + 0^1 - 3^0 \\
46487 &:= -4^3 + 6^6 - 4^3 + 8^1 - 7^2 & 46552 &:= -4^2 + 6^6 - 5^2 + 5^0 - 2^6 & 46604 &:= -4^2 - 6^2 + 6^6 - 0^0 + 4^0 \\
46488 &:= -4^4 + 6^6 + 4^2 + 8^1 + 8^2 & 46553 &:= -4^1 + 6^6 + 5^1 + 5^4 - 3^6 & 46605 &:= -4^2 - 6^2 + 6^6 + 0^1 + 5^0 \\
46489 &:= -4^4 + 6^6 + 4^2 + 8^2 + 9^1 & 46554 &:= -4^2 - 6^3 - 5^5 - 5^6 + 4^8 & 46606 &:= -4^2 + 6^0 - 6^2 + 0^0 + 6^6 \\
46495 &:= -4^5 - 6^0 + 4^6 + 9^5 - 5^6 & 46555 &:= -4^4 + 6^6 + 5^1 + 5^2 + 5^3 & 46608 &:= -4^1 - 6^2 + 6^6 + 0^1 - 8^1 \\
46496 &:= -4^4 - 6^0 + 4^2 + 9^2 + 6^6 & 46556 &:= -4^1 - 6^3 - 5^1 + 5^3 + 6^6 & 46613 &:= -4^2 - 6^0 + 6^6 + 1^0 - 3^3 \\
46498 &:= -4^4 + 6^6 + 4^2 + 9^2 + 8^0 & 46557 &:= -4^4 + 6^6 + 5^2 + 5^3 + 7^1 & 46614 &:= -4^1 - 6^2 + 6^6 - 1^0 - 4^0 \\
46504 &:= -4^3 + 6^6 - 5^2 + 0^0 - 4^3 & 46558 &:= -4^3 + 6^6 + 5^1 + 5^2 - 8^2 & 46615 &:= -4^2 - 6^0 + 6^6 + 1^0 - 5^2 \\
46508 &:= -4^2 + 6^6 - 5^3 + 0^0 - 8^1 & 46559 &:= -4^2 + 6^6 - 5^0 + 5^0 - 9^2 & 46616 &:= -4^1 - 6^0 - 6^2 + 1^0 + 6^6 \\
46512 &:= -4^1 + 6^6 - 5^3 + 1^0 - 2^4 & 46560 &:= -4^1 - 6^3 + 5^3 + 6^6 - 0^0 & 46618 &:= -4^1 - 6^2 + 6^6 + 1^0 + 8^0 \\
46513 &:= -4^2 + 6^6 - 5^3 + 1^0 - 3^1 & 46562 &:= -4^1 - 6^0 - 5^2 + 6^6 - 2^6 & 46620 &:= -4^1 - 6^0 + 6^6 - 2^5 + 0^0 \\
46514 &:= -4^5 + 6^6 + 5^4 + 1^0 + 4^4 & 46563 &:= -4^2 - 6^0 + 5^1 + 6^6 - 3^4 & 46621 &:= -4^1 - 6^2 + 6^6 + 2^2 + 1^0 \\
46515 &:= -4^2 + 6^6 - 5^0 + 1^0 - 5^3 & 46564 &:= -4^1 + 6^0 - 5^2 + 6^6 - 4^3 & 46622 &:= -4^1 + 6^0 + 6^6 + 2^0 - 2^5 \\
46517 &:= -4^2 + 6^6 - 5^3 + 1^0 + 7^0 & 46565 &:= -4^3 - 6^0 - 5^0 + 6^6 - 5^2 & 46623 &:= -4^1 - 6^0 + 6^6 - 2^0 - 3^3 \\
46518 &:= -4^4 + 6^6 + 5^3 + 1^0 - 8^1 & 46567 &:= -4^2 + 6^0 - 5^2 + 6^6 - 7^2 & 46624 &:= -4^1 - 6^2 + 6^6 + 2^2 + 4^1 \\
46519 &:= -4^1 + 6^6 - 5^3 + 1^0 - 9^1 & 46569 &:= -4^1 - 6^0 - 5^0 + 6^6 - 9^2 & 46625 &:= -4^1 - 6^0 + 6^6 - 2^0 - 5^2 \\
46520 &:= -4^2 + 6^6 - 5^3 + 2^2 + 0^0 & 46572 &:= -4^1 + 6^6 - 5^0 + 7^2 - 2^7 & 46626 &:= -4^1 + 6^1 - 6^2 + 2^2 + 6^6 \\
46522 &:= -4^1 + 6^6 + 5^3 + 2^0 - 2^8 & 46573 &:= -4^1 + 6^6 + 5^0 + 7^0 - 3^4 & 46627 &:= -4^1 - 6^2 + 6^6 + 2^2 + 7^1 \\
46523 &:= -4^2 + 6^6 + 5^3 + 2^0 - 3^5 & 46575 &:= -4^1 + 6^6 - 5^0 + 7^2 - 5^3 & 46628 &:= -4^1 - 6^2 + 6^6 + 2^2 + 8^1 \\
46524 &:= -4^1 + 6^6 - 5^3 + 2^0 - 4^1 & 46577 &:= -4^1 + 6^6 - 5^3 + 7^0 + 7^2 & 46629 &:= -4^1 - 6^1 + 6^6 - 2^3 - 9^1 \\
46525 &:= -4^4 + 6^6 - 5^0 + 2^0 + 5^3 & 46578 &:= -4^2 + 6^6 + 5^0 + 7^0 - 8^2 & 46630 &:= -4^2 - 6^0 + 6^6 - 3^2 + 0^1 \\
46526 &:= -4^2 - 6^0 - 5^4 + 2^9 + 6^6 & 46579 &:= -4^1 + 6^6 + 5^0 + 7^1 - 9^2 & 46631 &:= -4^2 - 6^0 + 6^6 - 3^2 + 1^0 \\
46527 &:= -4^1 + 6^6 - 5^3 + 2^0 - 7^0 & 46580 &:= -4^2 + 6^6 - 5^3 + 8^2 + 0^0 & 46632 &:= -4^1 - 6^0 + 6^6 - 3^1 - 2^4 \\
46528 &:= -4^1 + 6^6 - 5^3 + 2^1 - 8^0 & 46582 &:= -4^2 + 6^6 + 5^1 + 8^0 - 2^6 & 46633 &:= -4^1 - 6^0 + 6^6 - 3^2 - 3^2 \\
46529 &:= -4^1 + 6^6 - 5^3 + 2^0 + 9^0 & 46583 &:= -4^3 + 6^6 - 5^0 + 8^0 - 3^2 & 46634 &:= -4^1 - 6^0 + 6^6 - 3^0 - 4^2 \\
46530 &:= -4^1 + 6^6 - 5^3 + 3^1 + 0^1 & 46584 &:= -4^1 + 6^6 - 5^1 + 8^0 - 4^3 & 46635 &:= -4^1 - 6^0 + 6^6 + 3^2 - 5^2 \\
46531 &:= -4^1 + 6^6 - 5^3 + 3^1 + 1^0 & 46586 &:= -4^1 - 6^0 - 5^0 - 8^2 + 6^6 & 46636 &:= -4^1 - 6^0 - 6^1 - 3^2 + 6^6 \\
46532 &:= -4^1 + 6^6 - 5^0 + 3^2 - 2^7 & 46587 &:= -4^2 + 6^6 - 5^1 + 8^0 - 7^2 & 46637 &:= -4^2 - 6^0 + 6^6 - 3^0 - 7^0 \\
46533 &:= -4^1 + 6^6 - 5^3 + 3^1 + 3^1 & 46588 &:= -4^1 + 6^6 - 5^0 + 8^0 - 8^2 & 46638 &:= -4^1 - 6^1 + 6^6 - 3^2 + 8^0 \\
46534 &:= -4^1 + 6^6 - 5^3 + 3^1 + 4^1 & 46589 &:= -4^3 + 6^6 - 5^1 + 8^0 + 9^0 & 46639 &:= -4^1 - 6^0 + 6^6 - 3^1 - 9^1 \\
46535 &:= -4^1 + 6^6 - 5^0 + 3^2 - 5^3 & 46591 &:= -4^3 + 6^6 - 5^0 + 9^0 - 1^0 & 46640 &:= -4^2 - 6^0 + 6^6 + 4^0 + 0^1
\end{aligned}$$

$46641 := -4^1 - 6^1 + 6^6 - 4^1 - 1^0$	$46689 := -4^1 - 6^2 + 6^6 - 8^1 + 9^2$	$46749 := -4^7 - 6^0 - 7^4 + 4^8 - 9^0$
$46642 := -4^1 - 6^0 + 6^6 - 4^0 - 2^3$	$46690 := -4^1 + 6^2 + 6^6 + 9^0 + 0^0$	$46752 := -4^1 + 6^6 + 7^1 + 5^3 - 2^5$
$46643 := -4^1 - 6^0 + 6^6 + 4^0 - 3^2$	$46692 := -4^1 - 6^0 + 6^6 + 9^1 + 2^5$	$46753 := -4^1 + 6^6 + 7^2 + 5^2 + 3^3$
$46644 := -4^1 - 6^1 + 6^6 - 4^0 - 4^0$	$46693 := -4^2 - 6^0 + 6^6 + 9^2 - 3^3$	$46754 := -4^1 + 6^6 - 7^1 + 5^3 - 4^2$
$46645 := -4^1 - 6^0 + 6^6 - 4^0 - 5^1$	$46694 := -4^2 - 6^0 + 6^6 - 9^1 + 4^3$	$46757 := -4^2 + 6^6 - 7^0 + 5^3 - 7^1$
$46646 := -4^1 - 6^0 - 6^0 - 4^1 + 6^6$	$46695 := -4^1 - 6^0 + 6^6 - 9^2 + 5^3$	$46758 := -4^1 + 6^6 - 7^1 + 5^4 - 8^3$
$46647 := -4^1 + 6^0 + 6^6 + 4^0 - 7^1$	$46696 := -4^1 - 6^0 + 6^2 + 9^1 + 6^6$	$46759 := -4^1 + 6^6 + 7^0 + 5^2 + 9^2$
$46648 := -4^1 - 6^0 + 6^6 - 4^1 + 8^0$	$46697 := -4^2 - 6^0 + 6^6 + 9^1 + 7^2$	$46760 := -4^3 + 6^3 - 7^2 + 6^6 + 0^0$
$46649 := -4^1 - 6^0 + 6^6 - 4^0 - 9^0$	$46698 := -4^1 + 6^2 + 6^6 + 9^1 + 8^0$	$46762 := -4^2 + 6^0 - 7^1 + 6^6 + 2^7$
$46650 := -4^1 - 6^0 + 6^6 - 5^0 + 0^1$	$46700 := -4^1 + 6^6 + 7^2 + 0^1 - 0^0$	$46764 := -4^1 - 6^0 + 7^2 + 6^6 + 4^3$
$46651 := -4^1 - 6^0 + 6^6 - 5^0 + 1^0$	$46701 := -4^1 + 6^6 + 7^2 + 0^0 - 1^0$	$46765 := -4^2 + 6^0 - 7^0 + 6^6 + 5^3$
$46652 := -4^1 - 6^0 + 6^6 - 5^0 + 2^1$	$46702 := -4^1 + 6^6 + 7^2 + 0^1 + 2^0$	$46765 := -4^2 - 6^0 + 7^0 + 6^6 + 5^3$
$46653 := -4^1 - 6^0 + 6^6 + 5^0 + 3^0$	$46703 := -4^1 + 6^6 + 7^2 + 0^0 + 3^0$	$46766 := -4^2 - 6^0 + 7^3 - 6^3 + 6^6$
$46654 := -4^1 - 6^0 + 6^6 - 5^0 + 4^1$	$46704 := -4^2 + 6^6 - 7^0 + 0^0 + 4^3$	$46768 := -4^2 - 6^3 + 7^3 + 6^6 + 8^0$
$46655 := -4^1 + 6^0 + 6^6 + 5^0 + 5^0$	$46706 := -4^4 - 6^2 + 7^3 - 0^0 + 6^6$	$46769 := -4^2 - 6^0 + 7^2 + 6^6 + 9^2$
$46656 := -4^1 - 6^0 + 6^1 - 5^0 + 6^6$	$46712 := -4^2 + 6^6 + 7^1 + 1^0 + 2^6$	$46772 := -4^1 + 6^6 + 7^1 + 7^2 + 2^6$
$46657 := -4^1 - 6^0 + 6^6 - 5^0 + 7^1$	$46714 := -4^7 - 6^2 - 7^4 - 1^0 + 4^8$	$46774 := -4^4 + 6^6 - 7^2 + 7^5 - 4^7$
$46658 := -4^1 - 6^0 + 6^6 - 5^0 + 8^1$	$46715 := -4^2 + 6^6 + 7^2 + 1^0 + 5^2$	$46775 := -4^1 + 6^6 + 7^2 + 7^2 + 5^2$
$46659 := -4^1 - 6^0 + 6^6 - 5^0 + 9^1$	$46718 := -4^1 + 6^6 + 7^0 + 1^0 + 8^2$	$46782 := -4^1 + 6^6 + 7^0 + 8^0 + 2^7$
$46660 := -4^1 + 6^0 + 6^1 + 6^6 + 0^0$	$46720 := -4^2 + 6^6 + 7^2 + 2^5 - 0^0$	$46783 := -4^1 + 6^6 + 7^2 + 8^0 + 3^4$
$46662 := -4^1 + 6^0 + 6^0 + 6^6 + 2^3$	$46722 := -4^1 + 6^6 + 7^1 + 2^6 - 2^0$	$46785 := -4^1 + 6^6 + 7^1 + 8^0 + 5^3$
$46663 := -4^1 + 6^0 + 6^0 + 6^6 + 3^2$	$46723 := -4^2 + 6^6 + 7^0 + 2^0 + 3^4$	$46792 := -4^2 + 6^6 + 7^1 + 9^2 + 2^6$
$46665 := -4^1 + 6^1 + 6^1 + 6^6 + 5^0$	$46724 := -4^1 + 6^6 + 7^1 + 2^0 + 4^3$	$46795 := -4^2 + 6^6 + 7^2 + 9^2 + 5^2$
$46668 := -4^3 + 6^1 + 6^1 + 6^6 + 8^2$	$46725 := -4^3 + 6^6 + 7^1 + 2^0 + 5^3$	$46798 := -4^1 + 6^6 + 7^0 + 9^2 + 8^2$
$46669 := -4^2 - 6^1 + 6^2 + 6^6 - 9^0$	$46726 := -4^2 - 6^0 + 7^3 - 2^8 + 6^6$	$46807 := -4^4 + 6^6 + 8^2 + 0^1 + 7^3$
$46672 := -4^2 - 6^0 + 6^6 + 7^0 + 2^5$	$46728 := -4^3 + 6^6 + 7^1 + 2^7 + 8^0$	$46809 := -4^3 + 6^6 - 8^3 + 0^1 + 9^3$
$46673 := -4^1 - 6^0 + 6^6 + 7^2 - 3^3$	$46729 := -4^2 + 6^6 + 7^1 + 2^0 + 9^2$	$46823 := -4^2 + 6^6 + 8^1 + 2^8 - 3^4$
$46674 := -4^1 - 6^0 + 6^6 + 7^1 + 4^2$	$46731 := -4^1 + 6^6 - 7^0 + 3^4 - 1^0$	$46824 := -4^2 + 6^6 - 8^1 + 2^7 + 4^3$
$46675 := -4^1 - 6^0 + 6^6 - 7^0 + 5^2$	$46732 := -4^1 + 6^6 + 7^0 + 3^4 - 2^1$	$46825 := -4^2 - 6^4 + 8^5 - 2^8 + 5^6$
$46676 := -4^2 - 6^0 + 6^2 + 7^0 + 6^6$	$46733 := -4^1 + 6^6 - 7^0 + 3^0 + 3^4$	$46826 := -4^2 - 6^1 + 8^2 + 2^7 + 6^6$
$46678 := -4^2 + 6^2 + 6^6 + 7^0 + 8^0$	$46735 := -4^1 + 6^6 + 7^0 + 3^4 + 5^0$	$46829 := -4^1 + 6^6 + 8^2 + 2^5 + 9^2$
$46679 := -4^2 - 6^0 + 6^6 + 7^2 - 9^1$	$46736 := -4^4 - 6^1 + 7^3 - 3^0 + 6^6$	$46830 := -4^1 + 6^6 - 8^2 + 3^5 - 0^0$
$46680 := -4^1 - 6^2 + 6^6 + 8^2 + 0^1$	$46737 := -4^3 + 6^6 - 7^2 + 3^5 - 7^2$	$46832 := -4^1 + 6^6 + 8^0 + 3^5 - 2^6$
$46681 := -4^1 - 6^2 + 6^6 + 8^2 + 1^0$	$46738 := -4^2 + 6^6 + 7^1 + 3^3 + 8^2$	$46833 := -4^3 + 6^6 - 8^0 + 3^5 - 3^0$
$46682 := -4^1 - 6^0 + 6^6 - 8^0 + 2^5$	$46739 := -4^1 + 6^6 + 7^1 + 3^4 - 9^0$	$46835 := -4^3 + 6^6 + 8^0 + 3^5 - 5^0$
$46683 := -4^1 - 6^1 + 6^6 + 8^2 - 3^3$	$46742 := -4^4 + 6^6 + 7^3 + 4^0 - 2^1$	$46835 := -4^3 + 6^6 - 8^0 + 3^5 + 5^0$
$46684 := -4^1 - 6^2 + 6^6 + 8^2 + 4^1$	$46743 := -4^4 + 6^6 + 7^3 + 4^0 - 3^0$	$46836 := -4^3 + 6^3 + 8^0 + 3^3 + 6^6$
$46685 := -4^1 - 6^1 + 6^6 + 8^2 - 5^2$	$46744 := -4^7 - 6^1 - 7^4 - 4^0 + 4^8$	$46837 := -4^3 + 6^6 + 8^0 + 3^5 + 7^0$
$46686 := -4^1 - 6^0 + 6^2 - 8^0 + 6^6$	$46745 := -4^4 + 6^6 + 7^3 + 4^0 + 5^0$	$46840 := -4^3 + 6^6 - 8^1 + 4^4 + 0^1$
$46687 := -4^1 - 6^1 + 6^6 - 8^1 + 7^2$	$46746 := -4^4 - 6^0 + 7^3 + 4^1 + 6^6$	$46841 := -4^3 + 6^6 - 8^1 + 4^4 + 1^0$
$46688 := -4^1 + 6^2 + 6^6 + 8^0 - 8^0$	$46748 := -4^1 + 6^0 - 7^4 + 4^7 + 8^5$	$46842 := -4^1 + 6^6 - 8^2 + 4^4 - 2^1$

$$\begin{aligned}
46843 &:= -4^1 + 6^6 - 8^2 + 4^4 - 3^0 & 46945 &:= -4^4 + 6^6 - 9^2 + 4^0 + 5^4 & 47346 &:= -4^2 - 7^1 + 3^6 - 4^2 + 6^6 \\
46844 &:= -4^1 + 6^6 + 8^2 + 4^3 + 4^3 & 46946 &:= -4^1 - 6^0 - 9^3 + 4^5 + 6^6 & 47361 &:= -4^2 - 7^1 + 3^6 + 6^6 - 1^0 \\
46845 &:= -4^1 + 6^6 + 8^2 + 4^1 + 5^3 & 46948 &:= -4^1 + 6^6 - 9^3 + 4^5 + 8^0 & 47362 &:= -4^2 + 7^0 + 3^6 + 6^6 - 2^3 \\
46846 &:= -4^3 - 6^0 - 8^0 + 4^4 + 6^6 & 46952 &:= -4^1 + 6^6 - 9^2 + 5^3 + 2^8 & 47363 &:= -4^2 - 7^1 + 3^0 + 6^6 + 3^6 \\
46847 &:= -4^3 + 6^6 - 8^1 + 4^4 + 7^1 & 46953 &:= -4^1 + 6^6 - 9^2 + 5^4 - 3^5 & 47364 &:= -4^1 - 7^0 + 3^6 + 6^6 - 4^2 \\
46848 &:= -4^3 + 6^6 + 8^0 + 4^4 - 8^0 & 46954 &:= -4^3 + 6^6 + 9^2 + 5^2 + 4^4 & 47365 &:= -4^1 + 7^1 + 3^4 + 6^6 + 5^4 \\
46848 &:= -4^3 + 6^6 - 8^0 + 4^4 + 8^0 & 46956 &:= -4^6 - 6^3 + 9^5 - 5^1 - 6^5 & 47367 &:= -4^1 - 7^1 + 3^6 + 6^6 - 7^1 \\
46849 &:= -4^2 + 6^6 + 8^2 + 4^3 + 9^2 & 46960 &:= -4^6 - 6^3 + 9^5 - 6^5 - 0^0 & 47368 &:= -4^2 + 7^1 + 3^6 + 6^6 - 8^1 \\
46852 &:= -4^3 + 6^6 - 8^0 + 5^1 + 2^8 & 46962 &:= -4^6 - 6^3 + 9^5 - 6^5 + 2^0 & 47369 &:= -4^2 + 7^0 - 3^0 + 6^6 + 9^3 \\
46854 &:= -4^3 + 6^6 + 8^0 + 5^1 + 4^4 & 46963 &:= -4^2 - 6^0 + 9^2 + 6^6 + 3^5 & 47369 &:= -4^2 - 7^0 + 3^0 + 6^6 + 9^3 \\
46856 &:= -4^2 + 6^3 - 8^0 + 5^0 + 6^6 & 46966 &:= -4^4 - 6^0 - 9^3 + 6^4 + 6^6 & 47382 &:= -4^1 + 7^5 - 3^7 + 8^5 - 2^1 \\
46858 &:= -4^5 + 6^0 - 8^3 + 5^6 + 8^5 & 46968 &:= -4^4 + 6^4 - 9^3 + 6^6 + 8^0 & 47383 &:= -4^1 + 7^5 - 3^0 + 8^5 - 3^7 \\
46859 &:= -4^1 + 6^6 + 8^0 + 5^3 + 9^2 & 46972 &:= -4^1 + 6^6 + 9^1 + 7^3 - 2^5 & 47385 &:= -4^1 + 7^5 - 3^7 + 8^5 + 5^0 \\
46860 &:= -4^1 + 6^3 - 8^1 + 6^6 + 0^1 & 46973 &:= -4^2 + 6^6 - 9^0 + 7^3 - 3^2 & 47386 &:= -4^3 + 7^0 + 3^6 + 8^2 + 6^6 \\
46861 &:= -4^1 + 6^3 - 8^1 + 6^6 + 1^0 & 46975 &:= -4^2 + 6^6 - 9^1 + 7^3 + 5^0 & 47388 &:= -4^3 + 7^5 - 3^7 + 8^2 + 8^5 \\
46862 &:= -4^1 + 6^3 - 8^1 + 6^6 + 2^1 & 46976 &:= -4^2 - 6^1 - 9^0 + 7^3 + 6^6 & 47416 &:= -4^2 - 7^5 + 4^8 - 1^0 - 6^4 \\
46863 &:= -4^1 - 6^1 - 8^3 + 6^6 + 3^6 & 46977 &:= -4^2 + 6^6 + 9^0 + 7^3 - 7^1 & 47426 &:= -4^4 + 7^0 + 4^5 + 2^0 + 6^6 \\
46864 &:= -4^1 - 6^2 - 8^1 + 6^6 + 4^4 & 46978 &:= -4^1 + 6^6 - 9^1 + 7^3 - 8^1 & 47445 &:= -4^3 - 7^4 - 4^0 + 4^8 - 5^6 \\
46865 &:= -4^1 + 6^3 - 8^1 + 6^6 + 5^1 & 46987 &:= -4^1 + 6^6 - 9^1 + 8^0 + 7^3 & 47448 &:= -4^4 - 7^5 - 4^5 + 4^8 - 8^0 \\
46866 &:= -4^1 - 6^0 - 8^0 + 6^3 + 6^6 & 46992 &:= -4^4 + 6^6 - 9^0 + 9^2 + 2^9 & 47452 &:= -4^5 - 7^5 + 4^8 - 5^3 - 2^7 \\
46867 &:= -4^1 + 6^3 - 8^1 + 6^6 + 7^1 & 46995 &:= -4^4 + 6^6 - 9^1 + 9^3 - 5^3 & 47454 &:= -4^4 - 7^5 - 4^5 + 5^1 + 4^8 \\
46868 &:= -4^1 + 6^3 + 8^0 + 6^6 - 8^0 & 46997 &:= -4^1 + 6^6 + 9^0 + 9^0 + 7^3 & 47455 &:= -4^5 - 7^5 + 4^8 - 5^3 - 5^3 \\
46868 &:= -4^1 + 6^3 - 8^0 + 6^6 + 8^0 & 47026 &:= -4^1 + 7^3 - 0^0 + 2^5 + 6^6 & 47456 &:= -4^3 + 7^5 + 4^7 + 5^6 - 6^4 \\
46869 &:= -4^1 + 6^3 - 8^1 + 6^6 + 9^1 & 47046 &:= -4^2 + 7^3 - 0^0 + 4^3 + 6^6 & 47457 &:= -4^1 - 7^2 + 4^8 - 5^6 - 7^4 \\
46870 &:= -4^3 + 6^6 - 8^2 + 7^3 - 0^0 & 47062 &:= -4^3 + 7^3 - 0^0 + 6^6 + 2^7 & 47458 &:= -4^6 + 7^4 + 4^7 + 5^0 + 8^5 \\
46872 &:= -4^3 + 6^6 + 8^0 + 7^3 - 2^6 & 47063 &:= -4^2 + 7^3 - 0^0 + 6^6 + 3^4 & 47463 &:= -4^5 - 7^5 + 4^8 + 6^0 - 3^5 \\
46876 &:= -4^1 + 6^3 + 8^0 + 7^1 + 6^6 & 47064 &:= -4^2 + 7^5 + 0^0 + 6^6 - 4^7 & 47473 &:= -4^7 - 7^1 + 4^8 - 7^4 + 3^6 \\
46883 &:= -4^2 + 6^6 - 8^0 + 8^0 + 3^5 & 47069 &:= -4^7 + 7^5 - 0^0 + 6^6 - 9^1 & 47475 &:= -4^7 - 7^4 + 4^8 - 7^4 + 5^5 \\
46893 &:= -4^2 + 6^6 + 8^0 + 9^1 + 3^5 & 47086 &:= -4^7 + 7^5 - 0^0 + 8^1 + 6^6 & 47478 &:= -4^5 - 7^2 - 4^5 + 7^5 + 8^5 \\
46912 &:= -4^4 + 6^6 - 9^0 + 1^0 + 2^9 & 47162 &:= -4^1 - 7^0 - 1^0 + 6^6 + 2^9 & 47479 &:= -4^7 - 7^0 + 4^8 - 7^4 + 9^3 \\
46920 &:= -4^4 + 6^6 + 9^1 + 2^9 - 0^0 & 47169 &:= -4^6 - 7^1 - 1^0 - 6^5 + 9^5 & 47495 &:= -4^2 - 7^4 + 4^8 + 9^0 - 5^6 \\
46922 &:= -4^4 + 6^6 + 9^1 + 2^0 + 2^9 & 47236 &:= -4^1 + 7^3 - 2^1 + 3^5 + 6^6 & 47526 &:= -4^1 - 7^1 + 5^4 + 2^8 + 6^6 \\
46927 &:= -4^3 + 6^6 - 9^1 + 2^0 + 7^3 & 47256 &:= -4^1 + 7^3 + 2^8 + 5^1 + 6^6 & 47543 &:= -4^7 - 7^0 + 5^7 - 4^7 + 3^7 \\
46928 &:= -4^3 + 6^6 + 9^2 + 2^8 - 8^0 & 47264 &:= -4^7 - 7^4 + 2^9 + 6^0 + 4^8 & 47546 &:= -4^2 + 7^1 - 5^3 + 4^5 + 6^6 \\
46932 &:= -4^2 + 6^6 + 9^1 + 3^3 + 2^8 & 47265 &:= -4^2 + 7^0 - 2^0 + 6^6 + 5^4 & 47560 &:= -4^3 + 7^3 + 5^4 + 6^6 + 0^1 \\
46933 &:= -4^6 - 6^5 + 9^5 - 3^0 - 3^5 & 47265 &:= -4^2 - 7^0 + 2^0 + 6^6 + 5^4 & 47561 &:= -4^3 + 7^3 + 5^4 + 6^6 + 1^0 \\
46934 &:= -4^1 + 6^6 - 9^0 + 3^3 + 4^4 & 47276 &:= -4^3 + 7^3 - 2^1 + 7^3 + 6^6 & 47562 &:= -4^3 + 7^3 + 5^4 + 6^6 + 2^1 \\
46935 &:= -4^6 - 6^5 + 9^5 - 3^5 + 5^0 & 47296 &:= -4^3 + 7^1 - 2^5 + 9^3 + 6^6 & 47563 &:= -4^3 + 7^3 + 5^4 + 6^6 + 3^1 \\
46936 &:= -4^2 + 6^3 - 9^0 + 3^4 + 6^6 & 47324 &:= -4^7 + 7^3 - 3^7 + 2^4 + 4^8 & 47564 &:= -4^3 + 7^0 - 5^5 + 6^6 + 4^6 \\
46937 &:= -4^3 + 6^6 + 9^0 + 3^0 + 7^3 & 47326 &:= -4^3 + 7^0 + 3^6 + 2^2 + 6^6 & 47565 &:= -4^3 + 7^3 + 5^1 + 6^6 + 5^4 \\
46938 &:= -4^2 + 6^6 - 9^1 + 3^5 + 8^2 & 47328 &:= -4^3 + 7^5 - 3^7 + 2^2 + 8^5 & 47566 &:= -4^3 + 7^3 + 5^4 + 6^1 + 6^6
\end{aligned}$$

$$\begin{aligned}
47567 &:= -4^3 + 7^1 + 5^4 + 6^6 + 7^3 & 47968 &:= -4^5 + 7^4 - 9^0 + 6^6 - 8^2 & 48357 &:= -4^1 + 8^5 - 3^4 + 5^6 + 7^2 \\
47568 &:= -4^3 + 7^3 + 5^4 + 6^6 + 8^1 & 47985 &:= -4^3 - 7^3 - 9^0 + 8^5 + 5^6 & 48358 &:= -4^2 + 8^1 - 3^3 + 5^6 + 8^5 \\
47569 &:= -4^3 + 7^3 + 5^4 + 6^6 + 9^1 & 48017 &:= -4^8 - 8^4 + 0^0 - 1^0 + 7^6 & 48359 &:= -4^2 + 8^5 - 3^2 + 5^6 - 9^1 \\
47583 &:= -4^5 + 7^4 + 5^6 + 8^5 - 3^7 & 48017 &:= -4^8 - 8^4 - 0^0 + 1^0 + 7^6 & 48360 &:= -4^6 + 8^5 + 3^9 + 6^1 - 0^0 \\
47585 &:= -4^7 - 7^2 + 5^6 + 8^5 + 5^6 & 48096 &:= -4^5 - 8^4 - 0^0 + 9^4 + 6^6 & 48362 &:= -4^6 + 8^5 + 3^9 + 6^1 + 2^0 \\
47586 &:= -4^4 + 7^2 + 5^4 + 8^3 + 6^6 & 48097 &:= -4^8 - 8^4 - 0^0 + 9^2 + 7^6 & 48372 &:= -4^5 + 8^5 - 3^5 + 7^5 + 2^6 \\
47606 &:= -4^1 - 7^3 + 6^4 + 0^0 + 6^6 & 48152 &:= -4^4 + 8^5 - 1^0 + 5^6 + 2^4 & 48375 &:= -4^2 + 8^5 - 3^1 + 7^0 + 5^6 \\
47614 &:= -4^2 - 7^2 + 6^6 - 1^0 + 4^5 & 48154 &:= -4^4 + 8^5 + 1^0 + 5^6 + 4^2 & 48376 &:= -4^1 - 8^3 + 3^7 + 7^2 + 6^6 \\
47624 &:= -4^3 + 7^1 + 6^6 + 2^0 + 4^5 & 48224 &:= -4^5 + 8^5 + 2^5 + 2^6 + 4^7 & 48378 &:= -4^8 - 8^5 + 3^7 - 7^6 + 8^6 \\
47632 &:= -4^2 + 7^1 + 6^6 + 3^6 + 2^8 & 48243 &:= -4^5 + 8^5 - 2^7 + 4^7 + 3^5 & 48383 &:= -4^6 + 8^0 + 3^3 + 8^5 + 3^9 \\
47635 &:= -4^2 + 7^3 + 6^6 + 3^3 + 5^4 & 48245 &:= -4^5 + 8^5 - 2^3 + 4^7 + 5^3 & 48385 &:= -4^1 - 8^0 - 3^1 + 8^5 + 5^6 \\
47642 &:= -4^5 - 7^5 + 6^0 + 4^8 - 2^6 & 48248 &:= -4^5 - 8^1 + 2^7 + 4^7 + 8^5 & 48389 &:= -4^1 - 8^4 - 3^8 + 8^0 + 9^5 \\
47646 &:= -4^4 - 7^2 + 6^4 - 4^0 + 6^6 & 48250 &:= -4^2 + 8^5 - 2^7 + 5^6 + 0^0 & 48390 &:= -4^6 - 8^0 - 3^8 + 9^5 - 0^0 \\
47652 &:= -4^1 + 7^3 + 6^6 + 5^4 + 2^5 & 48254 &:= -4^5 + 8^5 + 2^0 + 5^3 + 4^7 & 48392 &:= -4^1 - 8^4 - 3^8 + 9^5 + 2^2 \\
47656 &:= -4^1 + 7^3 + 6^2 + 5^4 + 6^6 & 48263 &:= -4^1 - 8^2 - 2^9 + 6^6 + 3^7 & 48393 &:= -4^6 - 8^1 + 3^2 + 9^5 - 3^8 \\
47657 &:= -4^2 + 7^2 + 6^6 + 5^4 + 7^3 & 48267 &:= -4^8 - 8^4 + 2^8 - 6^1 + 7^6 & 48394 &:= -4^6 + 8^0 - 3^8 + 9^5 + 4^0 \\
47658 &:= -4^3 + 7^4 - 6^2 + 5^7 - 8^5 & 48272 &:= -4^8 - 8^4 - 2^0 + 7^6 + 2^8 & 48395 &:= -4^1 + 8^5 - 3^1 + 9^1 + 5^6 \\
47663 &:= -4^3 + 7^3 - 6^0 + 6^6 + 3^6 & 48274 &:= -4^6 + 8^0 + 2^8 + 7^6 - 4^8 & 48396 &:= -4^2 - 8^3 + 3^7 + 9^2 + 6^6 \\
47664 &:= -4^2 + 7^0 - 6^0 + 6^6 + 4^5 & 48276 &:= -4^1 + 8^5 + 2^0 + 7^5 - 6^4 & 48399 &:= -4^6 + 8^1 - 3^0 + 9^5 - 9^4 \\
47664 &:= -4^2 - 7^0 + 6^0 + 6^6 + 4^5 & 48283 &:= -4^3 - 8^4 - 2^3 + 8^5 + 3^9 & 48405 &:= -4^1 + 8^5 + 4^2 + 0^1 + 5^6 \\
47674 &:= -4^1 - 7^0 + 6^6 - 7^0 + 4^5 & 48287 &:= -4^5 - 8^1 - 2^8 + 8^5 + 7^5 & 48423 &:= -4^1 + 8^5 + 4^7 + 2^2 - 3^6 \\
47684 &:= -4^1 + 7^1 + 6^6 + 8^0 + 4^5 & 48294 &:= -4^7 - 8^0 - 2^7 - 9^3 + 4^8 & 48425 &:= -4^1 + 8^5 + 4^1 + 2^5 + 5^6 \\
47692 &:= -4^1 + 7^3 + 6^6 + 9^3 - 2^5 & 48307 &:= -4^6 + 8^5 + 3^9 + 0^0 - 7^2 & 48426 &:= -4^7 - 8^3 + 4^8 + 2^1 - 6^3 \\
47696 &:= -4^4 - 7^0 + 6^4 + 9^0 + 6^6 & 48316 &:= -4^2 - 8^3 + 3^7 + 1^0 + 6^6 & 48433 &:= -4^7 + 8^0 + 4^8 + 3^2 - 3^6 \\
47697 &:= -4^7 - 7^3 + 6^5 + 9^5 - 7^4 & 48326 &:= -4^1 - 8^0 + 3^7 - 2^9 + 6^6 & 48445 &:= -4^2 + 8^5 + 4^1 + 4^3 + 5^6 \\
47704 &:= -4^5 - 7^0 - 7^5 + 0^1 + 4^8 & 48329 &:= -4^3 - 8^4 - 3^8 + 2^0 + 9^5 & 48448 &:= -4^4 + 8^2 - 4^7 + 4^8 - 8^3 \\
47743 &:= -4^4 - 7^0 - 7^5 + 4^8 - 3^6 & 48332 &:= -4^6 + 8^5 + 3^2 + 3^9 - 2^5 & 48452 &:= -4^1 + 8^5 - 4^0 + 5^6 + 2^6 \\
47745 &:= -4^2 - 7^3 - 7^5 + 4^8 - 5^4 & 48334 &:= -4^7 - 8^1 - 3^4 - 3^6 + 4^8 & 48454 &:= -4^1 + 8^5 + 4^0 + 5^6 + 4^3 \\
47747 &:= -4^5 - 7^1 + 7^2 + 4^8 - 7^5 & 48335 &:= -4^1 + 8^5 - 3^4 + 3^3 + 5^6 & 48455 &:= -4^3 + 8^5 + 4^0 + 5^3 + 5^6 \\
47763 &:= -4^5 - 7^1 - 7^2 + 6^6 + 3^7 & 48336 &:= -4^1 - 8^3 + 3^2 + 3^7 + 6^6 & 48459 &:= -4^2 + 8^5 + 4^0 + 5^6 + 9^2 \\
47784 &:= -4^5 - 7^0 - 7^3 + 8^5 + 4^7 & 48338 &:= -4^2 - 8^4 - 3^0 + 3^9 + 8^5 & 48465 &:= -4^5 - 8^5 + 4^6 + 6^2 + 5^7 \\
47823 &:= -4^5 + 7^5 + 8^5 + 2^0 - 3^6 & 48343 &:= -4^7 + 8^0 - 3^4 + 4^8 - 3^6 & 48469 &:= -4^1 + 8^2 + 4^5 + 6^6 + 9^3 \\
47835 &:= -4^1 + 7^4 - 8^5 + 3^4 + 5^7 & 48346 &:= -4^3 + 8^0 + 3^6 + 4^5 + 6^6 & 48470 &:= -4^5 + 8^5 + 4^7 + 7^3 - 0^0 \\
47855 &:= -4^4 + 7^3 + 8^5 + 5^6 - 5^4 & 48348 &:= -4^6 - 8^1 + 3^9 + 4^0 + 8^5 & 48471 &:= -4^4 - 8^0 + 4^8 - 7^5 - 1^0 \\
47858 &:= -4^2 - 7^1 - 8^3 + 5^6 + 8^5 & 48350 &:= -4^2 + 8^5 - 3^3 + 5^6 + 0^1 & 48472 &:= -4^5 + 8^5 + 4^7 + 7^3 + 2^0 \\
47872 &:= -4^6 + 7^4 + 8^5 + 7^5 - 2^3 & 48351 &:= -4^2 + 8^5 - 3^3 + 5^6 + 1^0 & 48473 &:= -4^4 - 8^0 + 4^8 - 7^5 + 3^0 \\
47874 &:= -4^5 - 7^3 + 8^3 - 7^5 + 4^8 & 48352 &:= -4^1 + 8^5 + 3^3 + 5^6 - 2^6 & 48475 &:= -4^8 - 8^3 - 4^0 + 7^6 - 5^5 \\
47875 &:= -4^6 + 7^4 + 8^5 + 7^5 - 5^1 & 48353 &:= -4^1 + 8^5 - 3^2 + 5^6 - 3^3 & 48483 &:= -4^1 + 8^2 + 4^7 + 8^5 - 3^6 \\
47879 &:= -4^6 + 7^4 + 8^5 + 7^5 - 9^0 & 48354 &:= -4^2 + 8^5 - 3^3 + 5^6 + 4^1 & 48485 &:= -4^6 - 8^7 - 4^8 + 8^6 + 5^9 \\
47947 &:= -4^1 - 7^2 - 9^3 + 4^8 - 7^5 & 48355 &:= -4^1 + 8^5 - 3^2 + 5^6 - 5^2 & 48487 &:= -4^5 - 8^2 + 4^8 - 8^5 + 7^5 \\
47965 &:= -4^3 + 7^6 + 9^3 + 6^5 - 5^7 & 48356 &:= -4^1 + 8^5 + 3^1 + 5^6 - 6^2 & 48514 &:= -4^7 - 8^3 - 5^3 - 1^0 + 4^8
\end{aligned}$$

$48515 := -4^1 + 8^5 + 5^3 + 1^0 + 5^6$	$48647 := -4^7 - 8^3 + 6^1 + 4^8 + 7^0$	$48865 := -4^4 + 8^3 + 8^5 + 6^3 + 5^6$
$48524 := -4^1 + 8^5 - 5^4 + 2^0 + 4^7$	$48649 := -4^7 + 8^2 - 6^4 + 4^8 + 9^3$	$48883 := -4^7 - 8^3 + 8^5 + 8^5 + 3^5$
$48527 := -4^5 + 8^5 - 5^2 + 2^0 + 7^5$	$48653 := -4^3 - 8^0 + 6^6 - 5^3 + 3^7$	$48894 := -4^4 - 8^0 + 8^5 - 9^0 + 4^7$
$48528 := -4^7 + 8^5 - 5^4 + 2^0 + 8^5$	$48657 := -4^5 - 8^0 + 6^6 + 5^4 + 7^4$	$48932 := -4^7 + 8^4 + 9^5 + 3^7 - 2^4$
$48532 := -4^2 + 8^5 + 5^6 + 3^3 + 2^7$	$48663 := -4^3 + 8^4 - 6^4 + 6^6 - 3^6$	$48939 := -4^7 + 8^4 - 9^1 + 3^7 + 9^5$
$48533 := -4^3 + 8^5 - 5^5 + 3^9 - 3^6$	$48669 := -4^1 - 8^1 + 6^4 + 6^6 + 9^3$	$48942 := -4^7 - 8^0 - 9^2 + 4^8 - 2^7$
$48534 := -4^1 + 8^5 + 5^6 + 3^4 + 4^3$	$48672 := -4^4 - 8^0 + 6^6 + 7^4 - 2^7$	$48945 := -4^7 - 8^0 - 9^2 + 4^8 - 5^3$
$48535 := -4^3 + 8^5 + 5^3 + 3^4 + 5^6$	$48675 := -4^4 - 8^0 + 6^6 + 7^4 - 5^3$	$48946 := -4^7 + 8^0 + 9^1 + 4^8 - 6^3$
$48536 := -4^1 - 8^3 + 5^5 - 3^6 + 6^6$	$48684 := -4^7 - 8^3 + 6^2 + 8^1 + 4^8$	$48953 := -4^3 - 8^4 + 9^5 + 5^4 - 3^8$
$48539 := -4^2 + 8^5 + 5^6 + 3^4 + 9^2$	$48685 := -4^1 + 8^3 - 6^3 + 8^5 + 5^6$	$48954 := -4^7 - 8^2 - 9^1 - 5^3 + 4^8$
$48542 := -4^7 - 8^0 - 5^4 + 4^8 + 2^4$	$48687 := -4^7 - 8^5 - 6^6 + 8^6 - 7^6$	$48955 := -4^3 + 8^5 + 9^0 + 5^4 + 5^6$
$48544 := -4^7 + 8^0 - 5^4 + 4^2 + 4^8$	$48704 := -4^2 - 8^1 - 7^5 - 0^0 + 4^8$	$48956 := -4^1 + 8^5 - 9^3 + 5^6 + 6^4$
$48546 := -4^3 + 8^5 + 5^6 + 4^0 + 6^3$	$48733 := -4^7 - 8^5 + 7^6 - 3^4 - 3^9$	$48974 := -4^7 - 8^3 - 9^1 + 7^3 + 4^8$
$48547 := -4^5 + 8^5 - 5^1 + 4^0 + 7^5$	$48734 := -4^1 + 8^1 - 7^5 + 3^0 + 4^8$	$48976 := -4^2 - 8^2 - 9^0 + 7^4 + 6^6$
$48549 := -4^7 + 8^0 + 5^3 + 4^8 - 9^3$	$48735 := -4^1 + 8^5 + 7^3 + 3^1 + 5^6$	$48977 := -4^4 + 8^5 + 9^0 + 7^5 - 7^3$
$48554 := -4^5 - 8^5 + 5^3 + 5^7 + 4^6$	$48736 := -4^4 - 8^2 + 7^4 - 3^0 + 6^6$	$48978 := -4^1 - 8^3 - 9^2 + 7^5 + 8^5$
$48557 := -4^5 + 8^5 + 5^0 + 5^1 + 7^5$	$48738 := -4^8 - 8^1 + 7^6 + 3^6 - 8^4$	$48995 := -4^1 - 8^5 - 9^5 + 9^6 - 5^8$
$48559 := -4^1 - 8^5 + 5^5 + 5^7 + 9^2$	$48742 := -4^1 + 8^0 - 7^5 + 4^8 + 2^4$	$48999 := -4^5 + 8^4 - 9^4 + 9^5 - 9^4$
$48563 := -4^4 + 8^0 - 5^2 + 6^6 + 3^7$	$48744 := -4^3 - 8^0 - 7^3 - 4^7 + 4^8$	$49024 := -4^7 - 9^0 + 0^0 - 2^7 + 4^8$
$48564 := -4^7 + 8^0 - 5^4 + 6^2 + 4^8$	$48746 := -4^3 + 8^5 - 7^3 + 4^7 + 6^0$	$49043 := -4^7 - 9^2 - 0^0 + 4^8 - 3^3$
$48572 := -4^5 + 8^5 + 5^1 + 7^5 + 2^4$	$48752 := -4^2 + 8^5 + 7^3 + 5^6 + 2^5$	$49045 := -4^7 - 9^2 - 0^0 + 4^8 - 5^2$
$48573 := -4^3 + 8^5 - 5^5 + 7^5 + 3^7$	$48753 := -4^3 + 8^5 + 7^3 + 5^6 + 3^4$	$49046 := -4^6 - 9^5 - 0^0 + 4^8 + 6^6$
$48575 := -4^5 + 8^5 - 5^0 + 7^5 + 5^2$	$48754 := -4^3 + 8^2 - 7^5 + 5^2 + 4^8$	$49058 := -4^3 + 9^3 + 0^1 + 5^6 + 8^5$
$48577 := -4^5 + 8^5 + 5^2 + 7^0 + 7^5$	$48755 := -4^4 + 8^5 - 7^1 + 5^4 + 5^6$	$49064 := -4^7 - 9^2 - 0^0 - 6^1 + 4^8$
$48578 := -4^8 - 8^2 + 5^4 + 7^6 - 8^4$	$48756 := -4^2 + 8^5 + 7^3 + 5^6 + 6^2$	$49083 := -4^6 + 9^3 - 0^0 + 8^5 + 3^9$
$48584 := -4^3 - 8^0 + 5^6 + 8^5 + 4^4$	$48763 := -4^5 + 8^0 + 7^4 + 6^6 + 3^6$	$49126 := -4^6 + 9^4 + 1^0 + 2^2 + 6^6$
$48593 := -4^7 - 8^1 - 5^4 + 9^5 + 3^8$	$48765 := -4^5 + 8^0 + 7^1 + 6^6 + 5^5$	$49141 := -4^7 - 9^1 - 1^0 + 4^8 - 1^0$
$48594 := -4^3 + 8^5 + 5^6 + 9^1 + 4^4$	$48766 := -4^4 + 8^0 + 7^4 + 6^6 - 6^2$	$49142 := -4^7 - 9^0 - 1^0 + 4^8 - 2^3$
$48595 := -4^1 + 8^5 + 5^3 + 9^2 + 5^6$	$48768 := -4^5 + 8^0 + 7^5 + 6^3 + 8^5$	$49143 := -4^7 + 9^0 - 1^0 + 4^8 - 3^2$
$48596 := -4^3 + 8^3 - 5^5 + 9^5 - 6^5$	$48776 := -4^8 + 8^4 + 7^3 + 7^6 - 6^5$	$49143 := -4^7 - 9^0 + 1^0 + 4^8 - 3^2$
$48604 := -4^7 - 8^3 - 6^2 + 0^1 + 4^8$	$48783 := -4^3 + 8^0 + 7^5 + 8^5 - 3^6$	$49144 := -4^2 + 9^1 - 1^0 + 4^8 - 4^7$
$48605 := -4^1 + 8^5 + 6^3 + 0^1 + 5^6$	$48794 := -4^2 + 8^5 - 7^3 + 9^0 + 4^7$	$49145 := -4^7 - 9^0 - 1^0 + 4^8 - 5^1$
$48609 := -4^6 - 8^3 + 6^6 + 0^1 + 9^4$	$48798 := -4^4 - 8^3 + 7^5 - 9^1 + 8^5$	$49146 := -4^7 + 9^0 - 1^0 + 4^8 - 6^1$
$48624 := -4^7 + 8^3 - 6^4 + 2^8 + 4^8$	$48799 := -4^6 + 8^2 + 7^3 + 9^5 - 9^4$	$49146 := -4^7 - 9^0 + 1^0 + 4^8 - 6^1$
$48625 := -4^2 + 8^5 + 6^3 + 2^5 + 5^6$	$48807 := -4^4 - 8^3 + 8^5 + 0^1 + 7^5$	$49147 := -4^7 + 9^0 + 1^0 + 4^8 - 7^1$
$48637 := -4^4 + 8^0 + 6^6 + 3^7 + 7^2$	$48824 := -4^3 - 8^1 + 8^5 - 2^8 + 4^7$	$49148 := -4^1 + 9^0 - 1^0 + 4^7 + 8^5$
$48640 := -4^7 - 8^3 + 6^0 + 4^8 - 0^0$	$48825 := -4^2 - 8^2 + 8^5 + 2^9 + 5^6$	$49148 := -4^1 - 9^0 + 1^0 + 4^7 + 8^5$
$48640 := -4^7 - 8^3 - 6^0 + 4^8 + 0^0$	$48836 := -4^2 + 8^0 + 8^1 + 3^7 + 6^6$	$49149 := -4^7 - 9^0 - 1^0 + 4^8 - 9^0$
$48642 := -4^1 + 8^5 + 6^1 + 4^7 - 2^9$	$48845 := -4^3 + 8^3 + 8^5 + 4^1 + 5^6$	$49186 := -4^6 + 9^4 + 1^0 + 8^2 + 6^6$
$48643 := -4^4 - 8^1 + 6^6 + 4^3 + 3^7$	$48849 := -4^5 - 8^1 + 8^5 + 4^7 + 9^3$	$49214 := -4^7 - 9^0 + 2^6 - 1^0 + 4^8$
$48645 := -4^5 - 8^5 + 6^3 + 4^6 + 5^7$	$48864 := -4^3 - 8^1 + 8^5 - 6^3 + 4^7$	$49219 := -4^7 + 9^4 - 2^3 + 1^0 + 9^5$

$$\begin{aligned}
49223 &:= -4^7 + 9^5 - 2^2 + 2^0 + 3^8 & 49342 &:= -4^7 + 9^3 - 3^3 + 4^8 - 2^9 & 49658 &:= -4^6 + 9^4 + 6^6 + 5^2 + 8^3 \\
49224 &:= -4^7 + 9^1 - 2^0 + 2^6 + 4^8 & 49347 &:= -4^7 + 9^0 + 3^5 + 4^8 - 7^2 & 49672 &:= -4^5 - 9^5 - 6^5 + 7^6 - 2^7 \\
49229 &:= -4^7 + 9^4 + 2^0 + 2^1 + 9^5 & 49350 &:= -4^7 + 9^5 + 3^8 + 5^3 - 0^0 & 49675 &:= -4^2 + 9^1 + 6^6 + 7^4 + 5^4 \\
49230 &:= -4^7 + 9^5 + 2^2 + 3^8 + 0^1 & 49352 &:= -4^7 + 9^5 + 3^8 + 5^3 + 2^0 & 49677 &:= -4^8 + 9^0 - 6^2 + 7^6 - 7^4 \\
49231 &:= -4^7 + 9^5 + 2^2 + 3^8 + 1^0 & 49362 &:= -4^6 + 9^4 + 3^5 + 6^6 - 2^1 & 49678 &:= -4^5 - 9^0 + 6^6 - 7^2 + 8^4 \\
49232 &:= -4^7 + 9^5 + 2^1 + 3^8 + 2^2 & 49363 &:= -4^6 - 9^0 + 3^5 + 6^6 + 3^8 & 49685 &:= -4^2 - 9^2 + 6^6 + 8^0 + 5^5 \\
49233 &:= -4^7 + 9^5 - 2^1 + 3^2 + 3^8 & 49364 &:= -4^7 - 9^0 - 3^1 + 6^3 + 4^8 & 49689 &:= -4^6 - 9^4 + 6^4 + 8^0 + 9^5 \\
49234 &:= -4^7 - 9^0 + 2^1 + 3^4 + 4^8 & 49365 &:= -4^1 + 9^5 - 3^8 + 6^1 - 5^5 & 49692 &:= -4^6 - 9^4 + 6^4 + 9^5 + 2^2 \\
49235 &:= -4^7 + 9^5 + 2^2 + 3^8 + 5^1 & 49434 &:= -4^7 - 9^0 + 4^4 + 3^3 + 4^8 & 49695 &:= -4^1 - 9^0 + 6^6 - 9^2 + 5^5 \\
49236 &:= -4^6 + 9^4 - 2^7 + 3^5 + 6^6 & 49446 &:= -4^7 - 9^3 + 4^5 + 4^8 - 6^0 & 49725 &:= -4^8 + 9^3 + 7^6 + 2^3 - 5^5 \\
49237 &:= -4^7 + 9^5 + 2^2 + 3^8 + 7^1 & 49448 &:= -4^7 - 9^3 + 4^5 + 4^8 + 8^0 & 49726 &:= -4^3 + 9^3 + 7^4 + 2^2 + 6^6 \\
49238 &:= -4^7 + 9^5 + 2^2 + 3^8 + 8^1 & 49452 &:= -4^7 - 9^2 + 4^8 + 5^3 + 2^8 & 49727 &:= -4^8 - 9^0 - 7^4 + 2^4 + 7^6 \\
49239 &:= -4^7 + 9^1 + 2^2 + 3^8 + 9^5 & 49453 &:= -4^7 - 9^2 + 4^8 + 5^4 - 3^5 & 49742 &:= -4^7 - 9^1 + 7^3 + 4^8 + 2^8 \\
49240 &:= -4^7 + 9^2 + 2^3 + 4^8 - 0^0 & 49454 &:= -4^7 + 9^0 + 4^6 + 5^7 - 4^7 & 49745 &:= -4^7 - 9^2 + 7^2 + 4^8 + 5^4 \\
49242 &:= -4^7 + 9^2 + 2^0 + 4^8 + 2^3 & 49458 &:= -4^1 + 9^1 + 4^6 + 5^7 - 8^5 & 49761 &:= -4^4 + 9^5 - 7^5 + 6^5 - 1^0 \\
49243 &:= -4^7 + 9^1 + 2^0 + 4^8 + 3^4 & 49472 &:= -4^7 + 9^1 + 4^8 + 7^3 - 2^5 & 49762 &:= -4^2 + 9^3 + 7^4 + 6^6 - 2^3 \\
49248 &:= -4^7 + 9^2 + 2^4 + 4^8 - 8^0 & 49478 &:= -4^2 - 9^0 + 4^7 + 7^3 + 8^5 & 49763 &:= -4^4 + 9^5 - 7^5 + 6^5 + 3^0 \\
49253 &:= -4^7 + 9^5 + 2^1 + 5^2 + 3^8 & 49483 &:= -4^7 + 9^5 + 4^4 + 8^0 + 3^8 & 49765 &:= -4^2 + 9^0 - 7^0 + 6^6 + 5^5 \\
49254 &:= -4^3 - 9^2 - 2^9 - 5^6 + 4^8 & 49487 &:= -4^7 - 9^1 + 4^8 + 8^0 + 7^3 & 49765 &:= -4^2 - 9^0 + 7^0 + 6^6 + 5^5 \\
49256 &:= -4^1 - 9^1 - 2^9 + 5^5 + 6^6 & 49497 &:= -4^7 + 9^0 + 4^8 + 9^0 + 7^3 & 49768 &:= -4^4 - 9^3 + 7^0 + 6^6 + 8^4 \\
49259 &:= -4^7 + 9^4 + 2^3 + 5^2 + 9^5 & 49524 &:= -4^7 - 9^1 + 5^3 + 2^8 + 4^8 & 49769 &:= -4^2 - 9^0 + 7^4 + 6^6 + 9^3 \\
49263 &:= -4^7 + 9^5 + 2^0 + 6^2 + 3^8 & 49526 &:= -4^4 - 9^0 + 5^5 + 2^1 + 6^6 & 49786 &:= -4^1 - 9^0 + 7^5 + 8^5 + 6^3 \\
49273 &:= -4^7 + 9^5 - 2^1 + 7^2 + 3^8 & 49529 &:= -4^6 - 9^4 + 5^4 + 2^9 + 9^5 & 49788 &:= -4^1 + 9^3 + 7^5 + 8^5 - 8^3 \\
49274 &:= -4^7 + 9^1 + 2^6 + 7^2 + 4^8 & 49542 &:= -4^4 - 9^2 - 5^6 + 4^8 - 2^5 & 49834 &:= -4^5 + 9^5 - 8^4 + 3^0 - 4^6 \\
49278 &:= -4^4 - 9^1 - 2^5 + 7^5 + 8^5 & 49543 &:= -4^7 + 9^1 + 5^4 + 4^8 - 3^5 & 49835 &:= -4^2 + 9^3 + 8^5 + 3^6 + 5^6 \\
49279 &:= -4^7 + 9^4 + 2^2 + 7^2 + 9^5 & 49548 &:= -4^7 + 9^1 - 5^3 + 4^8 + 8^3 & 49836 &:= -4^5 + 9^2 + 8^4 + 3^3 + 6^6 \\
49289 &:= -4^7 + 9^4 - 2^0 + 8^2 + 9^5 & 49563 &:= -4^1 + 9^3 - 5^1 + 6^6 + 3^7 & 49837 &:= -4^8 - 9^2 - 8^1 - 3^7 + 7^6 \\
49290 &:= -4^7 + 9^4 + 2^6 + 9^5 + 0^1 & 49584 &:= -4^7 - 9^2 + 5^0 + 8^3 + 4^8 & 49845 &:= -4^3 - 9^0 - 8^0 + 4^8 - 5^6 \\
49291 &:= -4^7 + 9^4 + 2^6 + 9^5 + 1^0 & 49587 &:= -4^1 - 9^1 + 5^2 + 8^5 + 7^5 & 49846 &:= -4^7 + 9^3 + 8^0 + 4^8 - 6^2 \\
49292 &:= -4^7 + 9^4 + 2^1 + 9^5 + 2^6 & 49606 &:= -4^6 - 9^3 + 6^5 - 0^0 + 6^6 & 49854 &:= -4^1 + 9^2 + 8^5 + 5^4 + 4^7 \\
49293 &:= -4^5 - 9^4 + 2^4 + 9^5 - 3^7 & 49625 &:= -4^5 + 9^5 - 6^5 + 2^0 - 5^4 & 49856 &:= -4^9 - 9^3 + 8^5 + 5^2 + 6^7 \\
49294 &:= -4^7 + 9^4 + 2^2 + 9^5 + 4^3 & 49632 &:= -4^1 + 9^3 + 6^6 + 3^7 + 2^6 & 49858 &:= -4^5 + 9^5 - 8^4 + 5^2 - 8^4 \\
49295 &:= -4^1 - 9^4 - 2^6 + 9^5 - 5^5 & 49635 &:= -4^3 - 9^0 + 6^6 - 3^4 + 5^5 & 49859 &:= -4^2 - 9^4 + 8^3 - 5^5 + 9^5 \\
49296 &:= -4^6 - 9^2 + 2^8 + 9^4 + 6^6 & 49638 &:= -4^5 - 9^1 + 6^6 - 3^4 + 8^4 & 49874 &:= -4^7 + 9^3 - 8^1 + 7^0 + 4^8 \\
49297 &:= -4^7 + 9^4 + 2^6 + 9^5 + 7^1 & 49645 &:= -4^4 - 9^1 - 6^0 + 4^8 - 5^6 & 49880 &:= -4^7 + 9^3 + 8^5 + 8^5 - 0^0 \\
49298 &:= -4^7 + 9^4 + 2^3 + 9^5 + 8^2 & 49646 &:= -4^5 - 9^2 - 6^0 + 4^6 + 6^6 & 49882 &:= -4^7 + 9^3 + 8^5 + 8^5 + 2^0 \\
49299 &:= -4^7 + 9^1 + 2^6 + 9^4 + 9^5 & 49647 &:= -4^8 - 9^4 - 6^0 + 4^6 + 7^6 & 49885 &:= -4^7 + 9^5 - 8^0 + 8^4 + 5^5 \\
49322 &:= -4^7 + 9^5 + 3^8 + 2^5 + 2^6 & 49648 &:= -4^5 - 9^2 + 6^6 + 4^0 + 8^4 & 49895 &:= -4^7 + 9^1 + 8^4 + 9^5 + 5^5 \\
49323 &:= -4^7 + 9^5 + 3^4 + 2^4 + 3^8 & 49652 &:= -4^2 - 9^2 + 6^6 + 5^5 - 2^5 & 49925 &:= -4^3 + 9^4 + 9^5 + 2^2 - 5^6 \\
49324 &:= -4^7 - 9^2 - 3^1 + 2^8 + 4^8 & 49654 &:= -4^3 + 9^0 + 6^6 + 5^5 - 4^3 & 49944 &:= -4^7 - 9^0 + 9^3 + 4^3 + 4^8 \\
49326 &:= -4^2 + 9^5 - 3^7 + 2^8 - 6^5 & 49657 &:= -4^2 - 9^1 + 6^6 + 5^4 + 7^4 & 49963 &:= -4^7 - 9^0 + 9^1 + 6^6 + 3^9
\end{aligned}$$

$$49968 := -4^3 + 9^1 - 9^3 + 6^6 + 8^4$$

$$49985 := -4^3 + 9^4 + 9^5 + 8^2 - 5^6$$

$$50247 := -5^6 + 0^0 - 2^3 + 4^8 + 7^3$$

$$50249 := -5^6 + 0^0 + 2^8 + 4^8 + 9^2$$

$$50336 := -5^5 + 0^0 + 3^5 + 3^8 + 6^6$$

$$50342 := -5^6 + 0^1 - 3^4 + 4^8 + 2^9$$

$$50354 := -5^7 - 0^0 - 3^0 + 5^8 - 4^9$$

$$50358 := -5^7 + 0^0 + 3^0 + 5^8 - 8^6$$

$$50421 := -5^6 - 0^0 + 4^8 + 2^9 - 1^0$$

$$50422 := -5^6 - 0^0 + 4^8 + 2^8 + 2^8$$

$$50423 := -5^6 + 0^0 + 4^8 + 2^9 - 3^0$$

$$50424 := -5^6 + 0^0 + 4^4 + 2^8 + 4^8$$

$$50425 := -5^6 + 0^0 + 4^8 + 2^9 + 5^0$$

$$50428 := -5^6 + 0^0 + 4^8 + 2^2 + 8^3$$

$$50432 := -5^6 + 0^1 + 4^8 + 3^2 + 2^9$$

$$50472 := -5^6 + 0^1 + 4^8 + 7^2 + 2^9$$

$$50488 := -5^6 + 0^0 + 4^8 + 8^2 + 8^3$$

$$50534 := -5^6 - 0^0 + 5^4 - 3^0 + 4^8$$

$$50548 := -5^6 + 0^1 + 5^3 + 4^8 + 8^3$$

$$50624 := -5^3 - 0^0 + 6^6 - 2^1 + 4^6$$

$$50628 := -5^3 - 0^0 + 6^6 + 2^1 + 8^4$$

$$50633 := -5^6 + 0^1 + 6^6 - 3^4 + 3^9$$

$$50634 := -5^6 + 0^1 - 6^1 + 3^6 + 4^8$$

$$50639 := -5^4 + 0^1 - 6^5 - 3^2 + 9^5$$

$$50642 := -5^3 - 0^0 + 6^6 + 4^6 + 2^4$$

$$50644 := -5^3 + 0^0 + 6^6 + 4^2 + 4^6$$

$$50649 := -5^4 + 0^1 - 6^5 + 4^0 + 9^5$$

$$50664 := -5^3 + 0^0 + 6^2 + 6^6 + 4^6$$

$$50678 := -5^2 + 0^1 + 6^6 - 7^2 + 8^4$$

$$50682 := -5^1 - 0^0 + 6^6 + 8^4 - 2^6$$

$$50684 := -5^1 + 0^0 + 6^6 + 8^4 - 4^3$$

$$50697 := -5^4 + 0^1 - 6^5 + 9^5 + 7^2$$

$$50745 := -5^6 + 0^1 - 7^6 + 4^9 - 5^7$$

$$50746 := -5^1 + 0^1 - 7^0 + 4^6 + 6^6$$

$$50763 := -5^6 + 0^1 + 7^2 + 6^6 + 3^9$$

$$50867 := -5^1 + 0^0 + 8^5 + 6^4 + 7^5$$

$$50944 := -5^6 + 0^1 + 9^1 + 4^5 + 4^8$$

$$51269 := -5^1 - 1^0 + 2^1 - 6^5 + 9^5$$

$$51448 := -5^6 + 1^0 + 4^5 + 4^8 + 8^3$$

$$51462 := -5^6 - 1^0 + 4^8 + 6^4 + 2^8$$

$$51464 := -5^6 + 1^0 + 4^4 + 6^4 + 4^8$$

$$51738 := -5^2 + 1^0 + 7^5 + 3^7 + 8^5$$

$$51823 := -5^4 - 1^0 + 8^5 - 2^1 + 3^9$$

$$51829 := -5^5 - 1^0 - 8^4 + 2^1 + 9^5$$

$$51843 := -5^4 + 1^0 + 8^5 + 4^2 + 3^9$$

$$51863 := -5^4 + 1^0 + 8^5 + 6^2 + 3^9$$

$$51954 := -5^5 + 1^0 + 9^5 + 5^3 - 4^6$$

$$51992 := -5^4 + 1^0 - 9^4 + 9^5 + 2^7$$

$$51996 := -5^1 - 1^0 + 9^3 + 9^5 - 6^5$$

$$52034 := -5^6 - 2^6 + 0^1 + 3^7 + 4^8$$

$$52083 := -5^4 + 2^8 + 0^0 + 8^5 + 3^9$$

$$52234 := -5^6 + 2^3 + 2^7 + 3^7 + 4^8$$

$$52239 := -5^2 - 2^8 + 2^5 - 3^8 + 9^5$$

$$52247 := -5^6 - 2^0 - 2^6 + 4^8 + 7^4$$

$$52295 := -5^5 + 2^3 - 2^9 + 9^5 - 5^5$$

$$52299 := -5^3 - 2^5 - 2^5 - 9^4 + 9^5$$

$$52328 := -5^3 + 2^0 + 3^9 + 2^0 + 8^5$$

$$52329 := -5^3 - 2^1 - 3^8 - 2^5 + 9^5$$

$$52343 := -5^6 + 2^1 + 3^5 + 4^8 + 3^7$$

$$52344 := -5^6 - 2^5 + 3^8 - 4^6 + 4^8$$

$$52346 := -5^4 + 2^5 + 3^7 + 4^6 + 6^6$$

$$52347 := -5^1 - 2^2 + 3^5 - 4^8 + 7^6$$

$$52363 := -5^4 - 2^8 + 3^3 + 6^6 + 3^8$$

$$52368 := -5^2 - 2^6 + 3^9 + 6^1 + 8^5$$

$$52381 := -5^1 - 2^6 + 3^9 + 8^5 - 1^0$$

$$52382 := -5^1 - 2^5 + 3^9 + 8^5 - 2^5$$

$$52383 := -5^1 - 2^6 + 3^0 + 8^5 + 3^9$$

$$52384 := -5^1 + 2^1 + 3^9 + 8^5 - 4^3$$

$$52385 := -5^1 + 2^6 + 3^9 + 8^5 - 5^3$$

$$52386 := -5^2 - 2^2 + 3^9 + 8^5 - 6^2$$

$$52387 := -5^2 - 2^5 + 3^9 + 8^5 - 7^1$$

$$52388 := -5^3 - 2^1 + 3^9 + 8^2 + 8^5$$

$$52389 := -5^3 + 2^6 + 3^9 + 8^5 - 9^0$$

$$52394 := -5^3 + 2^5 - 3^8 + 9^5 - 4^0$$

$$52396 := -5^3 + 2^5 - 3^8 + 9^5 + 6^0$$

$$52398 := -5^2 - 2^0 - 3^8 + 9^5 - 8^2$$

$$52434 := -5^2 + 2^3 + 4^7 + 3^9 + 4^7$$

$$52437 := -5^6 - 2^2 + 4^8 + 3^7 + 7^3$$

$$52438 := -5^1 - 2^2 - 4^1 + 3^9 + 8^5$$

$$52439 := -5^2 - 2^3 - 4^2 - 3^8 + 9^5$$

$$52457 := -5^2 - 2^8 - 4^8 + 5^4 + 7^6$$

$$52463 := -5^4 - 2^7 - 4^0 + 6^6 + 3^8$$

$$52472 := -5^2 + 2^7 - 4^8 + 7^6 + 2^8$$

$$52473 := -5^3 + 2^9 - 4^8 + 7^6 - 3^3$$

$$52475 := -5^2 + 2^9 - 4^8 + 7^6 - 5^3$$

$$52476 := -5^6 + 2^7 + 4^8 + 7^4 + 6^2$$

$$52485 := -5^1 + 2^0 + 4^6 + 8^5 + 5^6$$

$$52493 := -5^5 - 2^6 - 4^6 + 9^5 + 3^6$$

$$52496 := -5^4 - 2^5 - 4^3 + 9^4 + 6^6$$

$$52497 := -5^5 - 2^1 - 4^5 + 9^5 - 7^4$$

$$52499 := -5^1 + 2^5 - 4^2 + 9^5 - 9^4$$

$$52524 := -5^6 - 2^8 + 5^5 - 2^8 + 4^8$$

$$52536 := -5^6 - 2^0 + 5^7 - 3^7 - 6^5$$

$$52548 := -5^1 + 2^6 + 5^6 + 4^6 + 8^5$$

$$52549 := -5^6 - 2^7 + 5^7 - 4^7 + 9^4$$

$$52563 := -5^2 - 2^2 - 5^4 + 6^6 + 3^8$$

$$52564 := -5^6 - 2^8 + 5^5 - 6^3 + 4^8$$

$$52569 := -5^2 + 2^1 - 5^4 + 6^6 + 9^4$$

$$52583 := -5^2 + 2^5 + 5^3 + 8^5 + 3^9$$

$$52587 := -5^4 + 2^9 + 5^5 + 8^5 + 7^5$$

$$52596 := -5^4 - 2^0 + 5^1 + 9^4 + 6^6$$

$$52609 := -5^4 + 2^4 + 6^6 + 0^0 + 9^4$$

$$52623 := -5^4 - 2^0 + 6^6 + 2^5 + 3^8$$

$$52632 := -5^4 + 2^3 + 6^6 + 3^8 + 2^5$$

$$52633 := -5^4 + 2^5 + 6^6 + 3^2 + 3^8$$

$$52636 := -5^4 + 2^3 + 6^2 + 3^8 + 6^6$$

$$52637 := -5^4 - 2^2 + 6^6 + 3^8 + 7^2$$

$$52638 := -5^2 - 2^2 + 6^3 + 3^9 + 8^5$$

$$52639 := -5^4 + 2^7 + 6^6 + 3^8 - 9^2$$

$$52653 := -5^4 - 2^6 + 6^6 + 5^3 + 3^8$$

$$52659 := -5^5 + 2^6 + 6^6 + 5^6 - 9^4$$

$$52673 := -5^2 - 2^9 + 6^6 - 7^1 + 3^8$$

$$52679 := -5^2 - 2^9 + 6^6 - 7^0 + 9^4$$

$$52683 := -5^2 + 2^8 + 6^0 + 8^5 + 3^9$$

$$52692 := -5^1 - 2^3 + 6^6 + 9^4 - 2^9$$

$$52693 := -5^2 - 2^8 + 6^6 + 9^4 - 3^5$$

$$52695 := -5^1 - 2^9 + 6^6 + 9^4 - 5^1$$

$$52698 := -5^1 - 2^1 + 6^6 + 9^4 - 8^3$$

$$52699 := -5^1 - 2^9 + 6^6 - 9^0 + 9^4$$

$$52743 := -5^6 + 2^9 + 7^4 + 4^8 - 3^4$$

$$52744 := -5^6 - 2^7 + 7^6 + 4^7 - 4^8$$

$$52746 := -5^5 + 2^9 - 7^4 + 4^8 - 6^5$$

$52758 := -5^7 + 2^0 + 7^4 + 5^8 - 8^6$	$53396 := -5^6 + 3^2 + 3^7 + 9^5 + 6^5$	$53776 := -5^5 - 3^8 - 7^0 + 7^5 + 6^6$
$52769 := -5^4 + 2^7 + 7^2 + 6^6 + 9^4$	$53397 := -5^5 + 3^1 - 3^7 + 9^5 - 7^3$	$53779 := -5^5 - 3^7 - 7^1 + 7^2 + 9^5$
$52784 := -5^2 - 2^4 - 7^5 + 8^4 + 4^8$	$53398 := -5^2 + 3^5 + 3^9 + 9^3 + 8^5$	$53792 := -5^5 - 3^5 - 7^4 + 9^5 + 2^9$
$52793 := -5^5 - 2^0 - 7^4 + 9^5 - 3^6$	$53426 := -5^2 + 3^7 + 4^6 + 2^9 + 6^6$	$53793 := -5^5 + 3^3 - 7^4 + 9^5 + 3^5$
$52834 := -5^3 + 2^9 + 8^5 + 3^9 - 4^1$	$53436 := -5^2 + 3^5 + 4^0 + 3^8 + 6^6$	$53794 := -5^5 - 3^7 - 7^1 + 9^5 + 4^3$
$52836 := -5^3 + 2^8 - 8^3 + 3^8 + 6^6$	$53464 := -5^1 + 3^8 - 4^1 + 6^6 + 4^4$	$53795 := -5^6 - 3^8 + 7^5 + 9^5 + 5^3$
$52837 := -5^3 + 2^9 + 8^5 + 3^9 - 7^0$	$53467 := -5^1 + 3^8 + 4^4 + 6^6 - 7^0$	$53798 := -5^4 - 3^4 + 7^6 - 9^5 - 8^4$
$52839 := -5^3 + 2^9 + 8^5 + 3^9 + 9^0$	$53468 := -5^1 + 3^8 - 4^4 + 6^6 + 8^3$	$53829 := -5^4 - 3^5 - 8^4 - 2^8 + 9^5$
$52859 := -5^5 - 2^2 + 8^2 - 5^5 + 9^5$	$53469 := -5^1 + 3^0 + 4^4 + 6^6 + 9^4$	$53869 := -5^4 - 3^5 - 8^4 - 6^3 + 9^5$
$52874 := -5^6 + 2^1 - 8^5 + 7^6 - 4^7$	$53482 := -5^2 + 3^9 + 4^5 + 8^5 + 2^5$	$53934 := -5^5 - 3^4 + 9^5 + 3^7 - 4^6$
$52895 := -5^5 + 2^5 + 8^2 + 9^5 - 5^5$	$53486 := -5^1 + 3^9 - 4^4 + 8^5 + 6^4$	$53973 := -5^5 - 3^7 + 9^5 - 7^1 + 3^5$
$52925 := -5^5 - 2^1 + 9^5 + 2^7 - 5^5$	$53489 := -5^5 - 3^7 - 4^4 + 8^1 + 9^5$	$53992 := -5^5 - 3^7 - 9^0 + 9^5 + 2^8$
$52944 := -5^7 - 2^1 - 9^0 + 4^8 + 4^8$	$53493 := -5^5 - 3^5 - 4^0 + 9^5 - 3^7$	$53994 := -5^5 - 3^7 + 9^0 + 9^5 + 4^4$
$52947 := -5^5 - 2^9 + 9^5 - 4^3 - 7^4$	$53497 := -5^5 - 3^3 + 4^0 + 9^5 - 7^4$	$54008 := -5^6 + 4^8 + 0^0 + 0^1 + 8^4$
$52954 := -5^6 - 2^0 - 9^2 + 5^5 + 4^8$	$53529 := -5^5 + 3^6 - 5^5 + 2^0 + 9^5$	$54024 := -5^6 + 4^6 + 0^0 + 2^4 + 4^8$
$52962 := -5^3 - 2^1 + 9^4 + 6^6 - 2^7$	$53536 := -5^6 - 3^7 + 5^7 - 3^8 - 6^3$	$54034 := -5^6 + 4^6 + 0^1 + 3^3 + 4^8$
$52963 := -5^2 - 2^8 + 9^4 + 6^6 + 3^3$	$53537 := -5^6 - 3^0 + 5^7 - 3^8 - 7^4$	$54089 := -5^6 + 4^8 + 0^0 + 8^4 + 9^2$
$52964 := -5^1 + 2^3 + 9^4 + 6^6 - 4^4$	$53574 := -5^5 - 3^8 + 5^3 - 7^4 + 4^8$	$54099 := -5^3 - 4^6 + 0^1 - 9^3 + 9^5$
$52965 := -5^3 - 2^1 + 9^4 + 6^6 - 5^3$	$53592 := -5^5 + 3^6 - 5^5 + 9^5 + 2^6$	$54234 := -5^6 + 4^6 - 2^4 + 3^5 + 4^8$
$52967 := -5^4 + 2^5 + 9^4 + 6^6 + 7^3$	$53594 := -5^1 - 3^6 - 5^4 + 9^5 - 4^6$	$54239 := -5^4 - 4^6 - 2^3 - 3^4 + 9^5$
$52968 := -5^4 - 2^6 + 9^5 - 6^4 - 8^4$	$53596 := -5^6 - 3^6 + 5^5 + 9^5 + 6^5$	$54253 := -5^3 - 4^6 + 2^5 + 5^7 - 3^9$
$52983 := -5^2 + 2^3 + 9^5 + 8^3 - 3^8$	$53598 := -5^4 - 3^6 - 5^0 + 9^5 - 8^4$	$54259 := -5^1 - 4^6 - 2^6 - 5^4 + 9^5$
$52994 := -5^1 + 2^9 - 9^4 + 9^5 - 4^0$	$53604 := -5^2 - 3^9 + 6^5 + 0^1 + 4^8$	$54264 := -5^6 + 4^6 + 2^8 + 6^0 + 4^8$
$52996 := -5^1 + 2^9 - 9^4 + 9^5 + 6^0$	$53623 := -5^2 - 3^4 + 6^6 + 2^9 + 3^8$	$54273 := -5^2 - 4^8 - 2^1 + 7^6 + 3^7$
$53045 := -5^6 + 3^2 + 0^1 + 4^8 + 5^5$	$53624 := -5^4 + 3^8 + 6^6 + 2^3 + 4^5$	$54292 := -5^4 - 4^6 - 2^2 + 9^5 - 2^5$
$53093 := -5^3 + 3^6 + 0^0 + 9^5 - 3^8$	$53627 := -5^6 + 3^9 + 6^6 + 2^9 + 7^4$	$54293 := -5^4 - 4^6 - 2^3 + 9^5 - 3^3$
$53096 := -5^3 + 3^1 + 0^0 + 9^4 + 6^6$	$53643 := -5^2 + 3^6 + 6^6 + 4^6 + 3^7$	$54295 := -5^2 - 4^6 - 2^3 + 9^5 - 5^4$
$53193 := -5^2 + 3^6 + 1^0 + 9^5 - 3^8$	$53648 := -5^2 + 3^2 - 6^5 + 4^8 - 8^4$	$54296 := -5^4 - 4^6 + 2^2 + 9^5 - 6^2$
$53196 := -5^2 + 3^1 + 1^0 + 9^4 + 6^6$	$53649 := -5^1 - 3^1 - 6^4 - 4^6 + 9^5$	$54297 := -5^4 - 4^6 - 2^5 + 9^5 + 7^0$
$53226 := -5^1 + 3^8 - 2^1 + 2^4 + 6^6$	$53662 := -5^2 - 3^6 + 6^5 + 6^6 - 2^4$	$54299 := -5^5 - 4^5 + 2^7 - 9^3 + 9^5$
$53229 := -5^5 - 3^7 + 2^2 - 2^9 + 9^5$	$53664 := -5^2 + 3^8 + 6^3 + 6^6 + 4^4$	$54325 := -5^1 - 4^6 - 3^9 - 2^4 + 5^7$
$53245 := -5^6 + 3^4 + 2^7 + 4^8 + 5^5$	$53668 := -5^2 + 3^8 - 6^2 + 6^6 + 8^3$	$54327 := -5^1 - 4^8 + 3^7 + 2^5 + 7^6$
$53249 := -5^6 - 3^8 + 2^1 + 4^7 + 9^5$	$53669 := -5^2 - 3^2 + 6^5 + 6^6 - 9^3$	$54329 := -5^3 - 4^6 - 3^5 - 2^8 + 9^5$
$53264 := -5^2 + 3^8 + 2^3 + 6^6 + 4^3$	$53674 := -5^4 + 3^7 - 6^0 + 7^6 - 4^8$	$54342 := -5^2 - 4^6 - 3^8 + 4^8 - 2^9$
$53268 := -5^1 + 3^8 - 2^3 + 6^6 + 8^2$	$53685 := -5^4 - 3^9 - 6^2 - 8^4 + 5^7$	$54344 := -5^6 + 4^4 + 3^4 + 4^6 + 4^8$
$53269 := -5^2 + 3^4 - 2^2 + 6^6 + 9^4$	$53686 := -5^2 - 3^6 + 6^5 + 8^1 + 6^6$	$54345 := -5^1 - 4^6 - 3^9 + 4^1 + 5^7$
$53279 := -5^5 - 3^5 - 2^0 - 7^4 + 9^5$	$53729 := -5^5 - 3^7 - 7^1 - 2^0 + 9^5$	$54347 := -5^6 + 4^6 - 3^1 + 4^8 + 7^3$
$53283 := -5^2 + 3^6 + 2^7 + 8^5 + 3^9$	$53739 := -5^5 - 3^3 - 7^4 + 3^5 + 9^5$	$54349 := -5^6 + 4^3 - 3^7 + 4^8 + 9^4$
$53289 := -5^5 - 3^7 + 2^6 - 8^3 + 9^5$	$53753 := -5^6 - 3^7 + 7^0 + 5^7 - 3^8$	$54366 := -5^1 - 4^3 + 3^1 + 6^5 + 6^6$
$53336 := -5^3 + 3^0 + 3^5 + 3^8 + 6^6$	$53758 := -5^6 + 3^9 + 7^5 + 5^3 + 8^5$	$54369 := -5^3 - 4^6 - 3^5 - 6^3 + 9^5$
$53355 := -5^6 - 3^4 + 3^8 - 5^6 + 5^7$	$53759 := -5^6 - 3^7 + 7^1 + 5^7 - 9^4$	$54385 := -5^2 - 4^6 - 3^9 + 8^2 + 5^7$

$$\begin{aligned}
54387 &:= -5^4 + 4^8 + 3^7 + 8^4 - 7^5 & 54691 &:= -5^5 + 4^3 - 6^4 + 9^5 - 1^0 & 54925 &:= -5^1 - 4^6 + 9^5 + 2^1 - 5^2 \\
54389 &:= -5^2 - 4^6 - 3^3 - 8^3 + 9^5 & 54692 &:= -5^5 - 4^3 - 6^4 + 9^5 + 2^7 & 54926 &:= -5^1 - 4^6 + 9^5 - 2^4 - 6^1 \\
54451 &:= -5^7 + 4^6 - 4^9 + 5^8 - 1^0 & 54693 &:= -5^3 - 4^6 - 6^3 + 9^5 + 3^4 & 54927 &:= -5^2 - 4^6 + 9^5 - 2^1 + 7^0 \\
54453 &:= -5^7 + 4^6 - 4^9 + 5^8 + 3^0 & 54696 &:= -5^1 - 4^6 - 6^2 + 9^5 - 6^3 & 54928 &:= -5^1 - 4^1 + 9^5 - 2^4 - 8^4 \\
54459 &:= -5^3 - 4^6 + 4^4 - 5^4 + 9^5 & 54698 &:= -5^1 - 4^4 + 6^1 + 9^5 - 8^4 & 54929 &:= -5^2 - 4^6 - 9^0 + 2^1 + 9^5 \\
54475 &:= -5^6 + 4^6 + 4^8 + 7^3 + 5^3 & 54704 &:= -5^8 + 4^8 + 7^6 + 0^1 + 4^9 & 54930 &:= -5^2 - 4^6 + 9^5 + 3^0 + 0^0 \\
54493 &:= -5^6 + 4^6 + 4^8 + 9^3 - 3^5 & 54729 &:= -5^4 + 4^8 - 7^5 + 2^6 + 9^4 & 54932 &:= -5^2 - 4^6 + 9^5 + 3^1 + 2^0 \\
54498 &:= -5^3 - 4^4 + 4^8 - 9^4 - 8^4 & 54743 &:= -5^6 + 4^6 + 7^1 + 4^8 + 3^6 & 54936 &:= -5^2 - 4^6 + 9^5 + 3^2 - 6^0 \\
54523 &:= -5^4 - 4^7 + 5^7 - 2^5 - 3^8 & 54753 &:= -5^1 + 4^0 - 7^5 + 5^7 - 3^8 & 54938 &:= -5^1 - 4^0 + 9^5 - 3^2 - 8^4 \\
54524 &:= -5^5 - 4^6 + 5^7 + 2^2 - 4^7 & 54766 &:= -5^1 - 4^1 + 7^3 + 6^5 + 6^6 & 54942 &:= -5^1 - 4^1 + 9^5 - 4^6 - 2^1 \\
54526 &:= -5^3 + 4^8 - 5^5 + 2^4 - 6^5 & 54783 &:= -5^1 - 4^3 + 7^4 + 8^5 + 3^9 & 54943 &:= -5^1 - 4^1 + 9^5 - 4^6 - 3^0 \\
54528 &:= -5^5 - 4^7 + 5^7 + 2^3 - 8^4 & 54819 &:= -5^3 - 4^6 - 8^1 - 1^0 + 9^5 & 54945 &:= -5^1 - 4^1 + 9^5 - 4^6 + 5^0 \\
54545 &:= -5^5 - 4^6 + 5^2 - 4^7 + 5^7 & 54829 &:= -5^3 - 4^0 - 8^4 + 2^1 + 9^5 & 54946 &:= -5^1 - 4^0 + 9^5 - 4^6 - 6^0 \\
54546 &:= -5^2 - 4^3 - 5^5 + 4^8 - 6^5 & 54832 &:= -5^4 + 4^7 + 8^5 + 3^8 - 2^8 & 54948 &:= -5^1 - 4^0 + 9^5 + 4^0 - 8^4 \\
54549 &:= -5^1 - 4^5 + 5^4 - 4^6 + 9^5 & 54834 &:= -5^5 - 4^5 + 8^1 - 3^8 + 4^8 & 54950 &:= -5^1 - 4^6 + 9^5 + 5^0 + 0^0 \\
54561 &:= -5^5 + 4^8 - 5^6 + 6^5 - 1^0 & 54839 &:= -5^2 - 4^6 - 8^1 - 3^4 + 9^5 & 54952 &:= -5^1 - 4^6 + 9^5 + 5^1 - 2^0 \\
54563 &:= -5^5 + 4^8 - 5^6 + 6^5 + 3^0 & 54853 &:= -5^1 - 4^6 + 8^3 + 5^7 - 3^9 & 54954 &:= -5^1 + 4^0 + 9^5 + 5^1 - 4^6 \\
54565 &:= -5^2 - 4^7 + 5^4 - 6^5 + 5^7 & 54859 &:= -5^1 - 4^3 - 8^4 - 5^2 + 9^5 & 54962 &:= -5^1 - 4^6 + 9^5 + 6^1 + 2^3 \\
54566 &:= -5^4 + 4^7 - 5^6 + 6^5 + 6^6 & 54891 &:= -5^3 + 4^3 - 8^4 + 9^5 - 1^0 & 54963 &:= -5^1 - 4^6 + 9^5 + 6^1 + 3^2 \\
54569 &:= -5^3 - 4^7 + 5^7 - 6^5 + 9^3 & 54892 &:= -5^1 - 4^3 - 8^4 + 9^5 + 2^3 & 54965 &:= -5^2 - 4^6 + 9^5 + 6^2 + 5^0 \\
54584 &:= -5^5 - 4^6 + 5^7 + 8^2 - 4^7 & 54893 &:= -5^1 - 4^3 - 8^4 + 9^5 + 3^2 & 54967 &:= -5^5 - 4^1 + 9^5 - 6^4 + 7^3 \\
54628 &:= -5^5 + 4^8 - 6^5 + 2^0 - 8^1 & 54895 &:= -5^2 - 4^6 - 8^1 + 9^5 - 5^2 & 54968 &:= -5^1 - 4^2 + 9^5 + 6^2 - 8^4 \\
54629 &:= -5^5 - 4^0 - 6^4 + 2^1 + 9^5 & 54896 &:= -5^1 - 4^2 - 8^4 + 9^5 - 6^2 & 54976 &:= -5^2 - 4^6 + 9^5 + 7^2 - 6^0 \\
54632 &:= -5^5 + 4^8 - 6^5 + 3^0 - 2^2 & 54898 &:= -5^5 - 4^5 - 8^0 + 9^5 - 8^0 & 54978 &:= -5^2 + 4^0 + 9^5 + 7^2 - 8^4 \\
54633 &:= -5^5 + 4^8 - 6^5 + 3^0 - 3^1 & 54899 &:= -5^5 - 4^5 + 8^1 - 9^1 + 9^5 & 54983 &:= -5^1 - 4^6 + 9^5 + 8^1 + 3^3 \\
54634 &:= -5^5 - 4^1 - 6^5 + 3^1 + 4^8 & 54900 &:= -5^5 - 4^5 + 9^5 + 0^0 - 0^0 & 54984 &:= -5^2 - 4^6 + 9^5 - 8^1 + 4^3 \\
54635 &:= -5^5 + 4^8 - 6^5 + 3^0 - 5^0 & 54900 &:= -5^5 - 4^5 + 9^5 - 0^0 + 0^0 & 54986 &:= -5^2 - 4^6 + 9^5 + 8^2 - 6^1 \\
54637 &:= -5^5 + 4^8 - 6^5 + 3^0 + 7^0 & 54901 &:= -5^5 - 4^5 + 9^5 + 0^1 + 1^0 & 54987 &:= -5^3 - 4^5 + 9^4 + 8^5 + 7^5 \\
54639 &:= -5^3 - 4^6 - 6^3 + 3^3 + 9^5 & 54902 &:= -5^5 - 4^5 + 9^5 + 0^0 + 2^0 & 54988 &:= -5^2 - 4^1 + 9^5 + 8^2 - 8^4 \\
54640 &:= -5^5 + 4^1 - 6^5 + 4^8 + 0^0 & 54903 &:= -5^5 - 4^5 + 9^5 + 0^1 + 3^1 & 54989 &:= -5^5 - 4^5 + 9^2 + 8^1 + 9^5 \\
54642 &:= -5^5 - 4^0 - 6^5 + 4^8 + 2^3 & 54904 &:= -5^5 + 4^1 + 9^5 + 0^1 - 4^5 & 55175 &:= -5^7 + 5^2 + 1^0 + 7^6 + 5^6 \\
54643 &:= -5^5 - 4^0 - 6^5 + 4^8 + 3^2 & 54905 &:= -5^5 - 4^5 + 9^5 + 0^1 + 5^1 & 55193 &:= -5^5 - 5^0 - 1^0 + 9^5 - 3^6 \\
54652 &:= -5^5 + 4^8 - 6^5 + 5^0 + 2^4 & 54906 &:= -5^5 - 4^5 + 9^5 + 0^1 + 6^1 & 55199 &:= -5^5 + 5^1 - 1^0 + 9^5 - 9^3 \\
54655 &:= -5^1 - 4^3 - 6^5 - 5^6 + 5^7 & 54907 &:= -5^5 - 4^5 + 9^5 + 0^1 + 7^1 & 55275 &:= -5^7 + 5^3 + 2^0 + 7^6 + 5^6 \\
54659 &:= -5^2 - 4^5 - 6^3 - 5^5 + 9^5 & 54908 &:= -5^5 - 4^5 + 9^5 + 0^1 + 8^1 & 55276 &:= -5^7 + 5^6 + 2^7 + 7^6 - 6^0 \\
54662 &:= -5^2 - 4^0 + 6^5 + 6^6 + 2^8 & 54909 &:= -5^3 - 4^6 + 9^2 + 0^1 + 9^5 & 55278 &:= -5^7 + 5^6 + 2^7 + 7^6 + 8^0 \\
54663 &:= -5^5 + 4^8 - 6^5 + 6^0 + 3^3 & 54920 &:= -5^2 - 4^6 + 9^5 - 2^3 + 0^1 & 55289 &:= -5^3 - 5^5 + 2^1 - 8^3 + 9^5 \\
54664 &:= -5^2 + 4^0 + 6^5 + 6^6 + 4^4 & 54921 &:= -5^2 - 4^6 + 9^5 - 2^3 + 1^0 & 55290 &:= -5^4 - 5^5 - 2^3 + 9^5 - 0^0 \\
54675 &:= -5^6 + 4^8 + 6^4 + 7^3 + 5^5 & 54922 &:= -5^2 - 4^6 + 9^5 - 2^1 - 2^2 & 55292 &:= -5^4 - 5^5 + 2^0 + 9^5 - 2^3 \\
54677 &:= -5^5 + 4^8 - 6^5 + 7^2 - 7^1 & 54923 &:= -5^1 - 4^6 + 9^5 + 2^1 - 3^3 & 55294 &:= -5^4 - 5^5 - 2^0 + 9^5 - 4^1 \\
54678 &:= -5^8 - 4^8 - 6^7 + 7^7 - 8^5 & 54924 &:= -5^1 - 4^2 + 9^5 - 2^3 - 4^6 & 55295 &:= -5^1 - 5^4 + 2^0 + 9^5 - 5^5
\end{aligned}$$

$55296 := -5^4 - 5^5 - 2^1 + 9^5 - 6^0$	$55669 := -5^2 + 5^5 - 6^5 + 6^4 + 9^5$	$55907 := -5^2 - 5^5 + 9^5 + 0^0 + 7^1$
$55297 := -5^4 - 5^5 - 2^0 + 9^5 - 7^0$	$55692 := -5^5 + 5^2 - 6^0 + 9^5 - 2^8$	$55908 := -5^2 - 5^5 + 9^5 + 0^0 + 8^1$
$55298 := -5^4 - 5^5 - 2^1 + 9^5 + 8^0$	$55694 := -5^5 + 5^2 + 6^0 + 9^5 - 4^4$	$55909 := -5^1 - 5^5 - 9^1 - 0^0 + 9^5$
$55299 := -5^4 - 5^5 + 2^0 - 9^0 + 9^5$	$55707 := -5^4 - 5^7 + 7^5 + 0^0 + 7^6$	$55912 := -5^1 - 5^5 + 9^5 + 1^0 - 2^3$
$55299 := -5^4 - 5^5 - 2^0 + 9^0 + 9^5$	$55736 := -5^6 + 5^3 + 7^6 + 3^5 - 6^6$	$55913 := -5^5 - 5^0 + 9^5 - 1^0 - 3^2$
$55302 := -5^5 + 5^7 - 3^9 + 0^0 - 2^4$	$55749 := -5^3 - 5^5 - 7^2 - 4^0 + 9^5$	$55914 := -5^1 - 5^5 + 9^5 - 1^0 - 4^1$
$55309 := -5^4 - 5^5 + 3^2 + 0^0 + 9^5$	$55753 := -5^3 - 5^7 + 7^6 + 5^6 + 3^6$	$55915 := -5^1 - 5^1 + 9^5 + 1^0 - 5^5$
$55314 := -5^5 + 5^7 - 3^9 + 1^0 - 4^1$	$55775 := -5^7 + 5^4 + 7^0 + 7^6 + 5^6$	$55916 := -5^5 - 5^0 + 9^5 - 1^0 - 6^1$
$55315 := -5^4 - 5^6 - 3^8 + 1^0 + 5^7$	$55784 := -5^3 - 5^7 + 7^6 + 8^0 + 4^7$	$55917 := -5^1 - 5^5 + 9^5 - 1^0 - 7^0$
$55317 := -5^5 + 5^7 - 3^9 + 1^0 - 7^0$	$55791 := -5^3 - 5^5 - 7^1 + 9^5 - 1^0$	$55918 := -5^5 + 5^0 + 9^5 + 1^0 - 8^1$
$55319 := -5^5 + 5^7 - 3^9 + 1^0 + 9^0$	$55792 := -5^1 - 5^5 + 7^0 + 9^5 - 2^7$	$55919 := -5^1 - 5^5 + 9^0 - 1^0 + 9^5$
$55320 := -5^5 + 5^7 - 3^9 + 2^1 + 0^0$	$55793 := -5^3 - 5^0 - 7^4 + 9^5 - 3^6$	$55919 := -5^1 - 5^5 - 9^0 + 1^0 + 9^5$
$55322 := -5^5 + 5^7 - 3^9 + 2^0 + 2^2$	$55794 := -5^3 - 5^5 - 7^0 + 9^5 - 4^1$	$55920 := -5^1 - 5^5 + 9^5 + 2^0 + 0^1$
$55324 := -5^5 + 5^7 - 3^9 + 2^3 - 4^0$	$55795 := -5^1 - 5^3 + 7^0 + 9^5 - 5^5$	$55921 := -5^1 - 5^5 + 9^5 + 2^0 + 1^0$
$55326 := -5^5 + 5^7 - 3^9 + 2^3 + 6^0$	$55796 := -5^5 - 5^0 - 7^3 + 9^5 + 6^3$	$55922 := -5^1 - 5^5 + 9^5 + 2^0 + 2^1$
$55334 := -5^5 + 5^7 - 3^9 + 3^0 + 4^2$	$55797 := -5^3 - 5^5 - 7^0 + 9^5 - 7^0$	$55923 := -5^1 - 5^5 + 9^5 + 2^0 + 3^1$
$55337 := -5^5 + 5^7 - 3^9 + 3^3 - 7^1$	$55798 := -5^3 - 5^5 + 7^1 + 9^5 - 8^1$	$55924 := -5^1 - 5^5 + 9^5 + 2^0 + 4^1$
$55357 := -5^2 + 5^4 - 3^8 + 5^7 - 7^5$	$55799 := -5^3 + 5^1 - 7^4 + 9^5 - 9^3$	$55925 := -5^1 + 5^1 + 9^5 + 2^0 - 5^5$
$55367 := -5^5 + 5^7 - 3^9 + 6^0 + 7^2$	$55829 := -5^1 + 5^4 - 8^4 + 2^8 + 9^5$	$55926 := -5^1 - 5^5 + 9^5 + 2^0 + 6^1$
$55374 := -5^4 + 5^5 + 3^9 + 7^5 + 4^7$	$55839 := -5^1 - 5^5 + 8^0 - 3^4 + 9^5$	$55927 := -5^1 - 5^5 + 9^5 + 2^0 + 7^1$
$55376 := -5^6 - 5^0 + 3^2 + 7^6 - 6^6$	$55843 := -5^5 + 5^0 - 8^1 + 4^8 - 3^8$	$55928 := -5^1 - 5^5 + 9^5 + 2^0 + 8^1$
$55378 := -5^8 - 5^8 - 3^9 + 7^7 + 8^5$	$55847 := -5^3 - 5^7 + 8^2 + 4^7 + 7^6$	$55929 := -5^1 - 5^5 + 9^1 + 2^0 + 9^5$
$55379 := -5^4 - 5^5 + 3^4 - 7^0 + 9^5$	$55869 := -5^3 - 5^5 + 8^2 + 6^1 + 9^5$	$55930 := -5^5 + 5^1 + 9^5 + 3^0 + 0^1$
$55380 := -5^5 + 5^7 - 3^9 + 8^2 - 0^0$	$55879 := -5^7 + 5^6 + 8^0 + 7^6 + 9^3$	$55931 := -5^5 - 5^0 + 9^5 + 3^2 - 1^0$
$55382 := -5^5 + 5^7 - 3^9 + 8^0 + 2^6$	$55883 := -5^6 + 5^7 - 8^2 + 8^1 - 3^8$	$55932 := -5^1 - 5^5 + 9^5 - 3^1 + 2^4$
$55394 := -5^5 + 5^7 - 3^9 + 9^2 - 4^1$	$55889 := -5^3 + 5^7 - 8^5 + 8^4 + 9^4$	$55933 := -5^5 - 5^0 + 9^5 + 3^0 + 3^2$
$55395 := -5^4 - 5^6 + 3^4 - 9^4 + 5^7$	$55890 := -5^2 - 5^5 - 8^1 + 9^5 - 0^0$	$55934 := -5^1 - 5^5 + 9^5 - 3^0 + 4^2$
$55396 := -5^4 - 5^4 - 3^7 + 9^5 - 6^3$	$55892 := -5^2 - 5^5 + 8^0 + 9^5 - 2^3$	$55935 := -5^1 - 5^5 + 9^5 - 3^2 + 5^2$
$55397 := -5^4 - 5^4 - 3^0 + 9^5 - 7^4$	$55893 := -5^1 - 5^5 + 8^0 + 9^5 - 3^3$	$55936 := -5^2 - 5^5 + 9^5 + 3^0 + 6^2$
$55398 := -5^1 - 5^5 - 3^2 + 9^5 - 8^3$	$55894 := -5^2 - 5^5 - 8^0 + 9^5 - 4^1$	$55937 := -5^1 - 5^4 + 9^5 - 3^4 - 7^4$
$55399 := -5^5 + 5^7 - 3^9 + 9^0 + 9^2$	$55895 := -5^1 - 5^2 + 8^0 + 9^5 - 5^5$	$55938 := -5^1 - 5^5 + 9^5 + 3^3 - 8^1$
$55443 := -5^1 - 5^6 - 4^5 + 4^8 + 3^8$	$55897 := -5^2 - 5^5 - 8^0 + 9^5 - 7^0$	$55939 := -5^5 + 5^1 + 9^0 + 3^2 + 9^5$
$55449 := -5^6 + 5^0 - 4^5 + 4^8 + 9^4$	$55899 := -5^2 - 5^5 + 8^0 - 9^0 + 9^5$	$55940 := -5^5 - 5^0 + 9^5 + 4^2 + 0^0$
$55468 := -5^1 + 5^4 + 4^6 + 6^6 + 8^4$	$55899 := -5^2 - 5^5 - 8^0 + 9^0 + 9^5$	$55941 := -5^6 + 5^7 - 9^4 + 4^0 + 1^0$
$55479 := -5^5 + 5^1 - 4^0 + 7^6 - 9^5$	$55900 := -5^2 - 5^5 + 9^5 + 0^0 + 0^1$	$55942 := -5^5 + 5^0 + 9^5 + 4^0 + 2^4$
$55579 := -5^5 - 5^0 - 5^0 - 7^3 + 9^5$	$55901 := -5^2 - 5^5 + 9^5 + 0^0 + 1^0$	$55943 := -5^6 + 5^7 - 9^4 + 4^0 + 3^1$
$55593 := -5^2 + 5^1 + 5^5 + 9^5 - 3^8$	$55902 := -5^1 - 5^5 + 9^5 - 0^0 - 2^4$	$55944 := -5^5 + 5^1 + 9^5 + 4^2 - 4^0$
$55598 := -5^1 + 5^2 + 5^4 + 9^5 - 8^4$	$55903 := -5^2 - 5^5 + 9^5 + 0^0 + 3^1$	$55945 := -5^1 + 5^2 + 9^5 + 4^0 - 5^5$
$55599 := -5^7 + 5^0 + 5^6 + 9^5 + 9^5$	$55904 := -5^1 - 5^5 + 9^5 + 0^0 - 4^2$	$55946 := -5^5 + 5^1 + 9^5 + 4^2 + 6^0$
$55649 := -5^2 - 5^5 + 6^1 - 4^4 + 9^5$	$55905 := -5^2 + 5^1 + 9^5 + 0^0 - 5^5$	$55947 := -5^2 - 5^5 + 9^5 - 4^0 + 7^2$
$55667 := -5^2 + 5^1 - 6^5 + 6^6 + 7^5$	$55906 := -5^2 - 5^5 + 9^5 + 0^0 + 6^1$	$55948 := -5^6 + 5^7 - 9^4 + 4^0 + 8^1$

$55949 := -5^5 + 5^2 - 9^0 + 4^0 + 9^5$	$56239 := -5^4 - 6^1 + 2^3 - 3^7 + 9^5$	$56597 := -5^2 - 6^0 - 5^2 + 9^5 - 7^4$
$55950 := -5^5 + 5^0 + 9^5 + 5^2 + 0^1$	$56253 := -5^2 + 6^6 - 2^6 + 5^5 + 3^8$	$56624 := -5^4 - 6^5 + 6^0 - 2^9 + 4^8$
$55951 := -5^5 + 5^0 + 9^5 + 5^2 + 1^0$	$56254 := -5^4 - 6^5 - 2^8 - 5^4 + 4^8$	$56634 := -5^6 - 6^4 + 6^5 + 3^5 + 4^8$
$55952 := -5^1 - 5^5 + 9^5 + 5^0 + 2^5$	$56269 := -5^5 + 6^0 + 2^7 + 6^3 + 9^5$	$56637 := -5^6 - 6^6 + 6^4 - 3^3 + 7^6$
$55953 := -5^1 - 5^5 + 9^5 + 5^2 + 3^2$	$56273 := -5^4 + 6^6 - 2^2 + 7^5 - 3^8$	$56672 := -5^6 + 6^4 - 6^6 + 7^6 + 2^3$
$55954 := -5^5 + 5^0 + 9^5 + 5^2 + 4^1$	$56274 := -5^5 + 6^6 + 2^5 + 7^5 - 4^6$	$56673 := -5^6 + 6^4 - 6^6 + 7^6 + 3^2$
$55955 := -5^5 + 5^0 + 9^5 + 5^1 + 5^2$	$56279 := -5^2 - 6^3 - 2^7 - 7^4 + 9^5$	$56689 := -5^4 + 6^0 + 6^6 + 8^4 + 9^4$
$55956 := -5^1 - 5^5 + 9^5 + 5^0 + 6^2$	$56325 := -5^2 + 6^6 + 3^8 + 2^3 + 5^5$	$56694 := -5^4 + 6^1 + 6^6 + 9^4 + 4^6$
$55957 := -5^5 + 5^0 + 9^5 + 5^2 + 7^1$	$56329 := -5^4 - 6^2 - 3^7 + 2^7 + 9^5$	$56696 := -5^4 - 6^3 - 6^3 + 9^5 - 6^4$
$55958 := -5^1 - 5^2 + 9^5 - 5^5 + 8^2$	$56342 := -5^4 - 6^5 - 3^6 + 4^8 - 2^6$	$56728 := -5^4 + 6^5 + 7^5 + 2^1 + 8^5$
$55959 := -5^5 + 5^0 + 9^1 + 5^2 + 9^5$	$56344 := -5^5 + 6^3 - 3^7 + 4^8 - 4^6$	$56743 := -5^1 + 6^5 - 7^5 + 4^8 + 3^5$
$55960 := -5^5 + 5^0 + 9^5 + 6^2 - 0^0$	$56347 := -5^3 + 6^6 - 3^8 + 4^7 - 7^1$	$56749 := -5^4 - 6^5 + 7^3 + 4^8 - 9^3$
$55960 := -5^5 - 5^0 + 9^5 + 6^2 + 0^0$	$56364 := -5^6 - 6^4 - 3^3 + 6^5 + 4^8$	$56754 := -5^5 + 6^6 - 7^4 + 5^6 - 4^0$
$55962 := -5^2 - 5^5 + 9^5 - 6^0 + 2^6$	$56379 := -5^2 - 6^0 - 3^5 - 7^4 + 9^5$	$56756 := -5^5 + 6^0 - 7^4 + 5^6 + 6^6$
$55964 := -5^2 - 5^5 + 9^5 + 6^0 + 4^3$	$56384 := -5^4 + 6^4 + 3^8 + 8^5 + 4^7$	$56764 := -5^1 + 6^5 + 7^4 + 6^6 - 4^3$
$55965 := -5^6 + 5^2 - 9^4 + 6^0 + 5^7$	$56398 := -5^4 - 6^4 - 3^6 + 9^5 - 8^0$	$56784 := -5^4 - 6^5 - 7^3 - 8^1 + 4^8$
$55966 := -5^5 + 5^1 + 9^5 + 6^0 + 6^2$	$56429 := -5^5 - 6^1 - 4^0 + 2^9 + 9^5$	$56789 := -5^4 + 6^6 + 7^5 + 8^3 - 9^4$
$55967 := -5^1 - 5^5 + 9^5 - 6^0 + 7^2$	$56432 := -5^4 + 6^6 + 4^6 + 3^8 - 2^8$	$56804 := -5^3 + 6^5 + 8^5 + 0^0 + 4^7$
$55969 := -5^5 + 5^3 - 9^2 + 6^0 + 9^5$	$56433 := -5^4 - 6^5 + 4^8 + 3^3 - 3^6$	$56839 := -5^2 - 6^1 + 8^1 - 3^7 + 9^5$
$55971 := -5^5 - 5^0 + 9^5 + 7^2 - 1^0$	$56435 := -5^6 - 6^2 + 4^8 + 3^8 - 5^0$	$56852 := -5^6 - 6^4 - 8^4 + 5^7 - 2^8$
$55972 := -5^1 - 5^5 + 9^5 + 7^2 + 2^2$	$56436 := -5^2 - 6^4 + 4^8 - 3^1 - 6^5$	$56859 := -5^5 - 6^2 + 8^4 - 5^5 + 9^5$
$55973 := -5^2 - 5^5 + 9^5 - 7^1 + 3^4$	$56437 := -5^6 - 6^2 + 4^8 + 3^8 + 7^0$	$56893 := -5^4 - 6^4 + 8^1 + 9^5 - 3^5$
$55974 := -5^5 + 5^1 + 9^5 + 7^2 - 4^1$	$56439 := -5^5 + 6^4 - 4^5 + 3^5 + 9^5$	$56894 := -5^4 + 6^1 - 8^3 + 9^5 - 4^5$
$55975 := -5^2 - 5^5 + 9^5 - 7^2 + 5^3$	$56459 := -5^2 + 6^6 + 4^7 + 5^1 - 9^4$	$56941 := -5^5 - 6^1 + 9^5 + 4^5 - 1^0$
$55976 := -5^6 + 5^7 - 9^4 + 7^0 + 6^2$	$56460 := -5^1 - 6^4 + 4^8 - 6^5 + 0^0$	$56942 := -5^2 - 6^5 - 9^3 + 4^8 - 2^6$
$55977 := -5^5 + 5^1 + 9^5 + 7^2 - 7^0$	$56473 := -5^6 - 6^1 + 4^8 + 7^1 + 3^8$	$56943 := -5^5 - 6^1 + 9^5 + 4^5 + 3^0$
$55979 := -5^2 - 5^5 + 9^2 - 7^0 + 9^5$	$56479 := -5^5 + 6^3 - 4^1 + 7^3 + 9^5$	$56944 := -5^4 + 6^6 + 9^4 + 4^4 + 4^6$
$55982 := -5^1 - 5^5 + 9^5 - 8^0 + 2^6$	$56492 := -5^6 + 6^2 + 4^8 + 9^4 - 2^4$	$56946 := -5^5 - 6^0 + 9^5 + 4^5 - 6^0$
$55984 := -5^1 - 5^5 + 9^5 + 8^0 + 4^3$	$56493 := -5^6 - 6^1 + 4^8 + 9^4 + 3^3$	$56947 := -5^3 - 6^4 + 9^5 - 4^5 + 7^3$
$55986 := -5^5 - 5^0 + 9^5 + 8^2 - 6^0$	$56494 := -5^6 + 6^1 + 4^2 + 9^4 + 4^8$	$56948 := -5^5 + 6^0 + 9^5 + 4^5 - 8^0$
$55988 := -5^5 - 5^0 + 9^5 + 8^0 + 8^2$	$56496 := -5^2 - 6^4 + 4^3 + 9^5 - 6^4$	$56948 := -5^5 - 6^0 + 9^5 + 4^5 + 8^0$
$55992 := -5^1 - 5^5 + 9^1 + 9^5 + 2^6$	$56499 := -5^6 + 6^2 + 4^8 + 9^4 - 9^1$	$56949 := -5^6 + 6^5 - 9^1 + 4^8 - 9^3$
$55993 := -5^6 + 5^7 - 9^4 + 9^2 - 3^3$	$56523 := -5^4 - 6^4 + 5^7 + 2^1 - 3^9$	$56954 := -5^5 + 6^0 + 9^5 + 5^1 + 4^5$
$55994 := -5^5 + 5^1 + 9^0 + 9^5 + 4^3$	$56529 := -5^5 - 6^2 + 5^4 + 2^4 + 9^5$	$56963 := -5^2 - 6^2 + 9^5 - 6^4 - 3^6$
$55995 := -5^1 - 5^1 + 9^2 + 9^5 - 5^5$	$56539 := -5^5 - 6^0 + 5^4 - 3^2 + 9^5$	$56964 := -5^6 + 6^1 - 9^3 + 6^5 + 4^8$
$55997 := -5^2 - 5^4 - 9^0 + 9^5 - 7^4$	$56542 := -5^4 - 6^5 - 5^4 + 4^8 + 2^5$	$56982 := -5^6 + 6^6 - 9^4 + 8^5 - 2^8$
$55998 := -5^5 + 5^0 + 9^1 + 9^5 + 8^2$	$56546 := -5^4 + 6^2 - 5^4 + 4^8 - 6^5$	$56983 := -5^4 - 6^4 + 9^5 - 8^2 - 3^4$
$55999 := -5^1 - 5^5 - 9^0 + 9^2 + 9^5$	$56549 := -5^5 - 6^0 + 5^4 + 4^0 + 9^5$	$56984 := -5^2 + 6^4 + 9^4 + 8^5 + 4^7$
$56097 := -5^6 - 6^6 + 0^1 + 9^3 + 7^6$	$56564 := -5^2 - 6^4 + 5^3 - 6^5 + 4^8$	$56997 := -5^5 + 6^0 + 9^3 + 9^5 + 7^3$
$56219 := -5^5 - 6^3 + 2^9 - 1^0 + 9^5$	$56594 := -5^4 + 6^4 - 5^5 + 9^5 - 4^0$	$56998 := -5^2 - 6^4 - 9^3 + 9^5 - 8^0$
$56235 := -5^6 - 6^3 + 2^9 - 3^8 + 5^7$	$56596 := -5^4 + 6^0 - 5^5 + 9^5 + 6^4$	$57264 := -5^2 - 7^3 - 2^7 - 6^5 + 4^8$

$$\begin{aligned}
57269 &:= -5^3 - 7^3 - 2^4 - 6^4 + 9^5 & 57793 &:= -5^4 + 7^2 + 7^2 + 9^5 - 3^6 & 58246 &:= -5^2 - 8^0 + 2^9 + 4^8 - 6^5 \\
57335 &:= -5^7 + 7^6 - 3^0 + 3^7 + 5^6 & 57796 &:= -5^1 - 7^0 + 7^2 + 9^5 - 6^4 & 58253 &:= -5^3 + 8^2 - 2^7 + 5^7 - 3^9 \\
57352 &:= -5^7 + 7^6 + 3^7 + 5^6 + 2^4 & 57829 &:= -5^5 + 7^4 - 8^3 + 2^4 + 9^5 & 58254 &:= -5^3 - 8^4 + 2^6 - 5^5 + 4^8 \\
57375 &:= -5^5 - 7^3 - 3^9 + 7^4 + 5^7 & 57839 &:= -5^4 - 7^3 + 8^0 - 3^5 + 9^5 & 58257 &:= -5^5 - 8^2 + 2^7 + 5^7 - 7^5 \\
57379 &:= -5^1 - 7^4 + 3^6 + 7^1 + 9^5 & 57869 &:= -5^4 - 7^1 - 8^3 - 6^2 + 9^5 & 58259 &:= -5^2 - 8^3 - 2^7 - 5^3 + 9^5 \\
57394 &:= -5^4 - 7^1 + 3^0 + 9^5 - 4^5 & 57885 &:= -5^6 - 7^1 - 8^3 - 8^4 + 5^7 & 58274 &:= -5^5 - 8^4 + 2^3 - 7^2 + 4^8 \\
57396 &:= -5^1 - 7^3 - 3^2 + 9^5 - 6^4 & 57894 &:= -5^3 - 7^1 + 8^0 + 9^5 - 4^5 & 58275 &:= -5^6 - 8^4 - 2^7 - 7^0 + 5^7 \\
57398 &:= -5^1 - 7^4 + 3^5 + 9^5 + 8^3 & 57912 &:= -5^4 - 7^0 + 9^5 + 1^0 - 2^9 & 58279 &:= -5^4 - 8^2 - 2^5 - 7^2 + 9^5 \\
57399 &:= -5^1 - 7^4 + 3^3 + 9^3 + 9^5 & 57927 &:= -5^4 - 7^2 - 9^5 + 2^0 + 7^6 & 58284 &:= -5^5 - 8^4 - 2^5 + 8^0 + 4^8 \\
57425 &:= -5^5 - 7^5 - 4^4 - 2^9 + 5^7 & 57932 &:= -5^3 - 7^1 + 9^5 - 3^6 - 2^8 & 58289 &:= -5^4 - 8^1 - 2^7 + 8^0 + 9^5 \\
57429 &:= -5^3 - 7^3 - 4^5 - 2^7 + 9^5 & 57933 &:= -5^3 - 7^3 + 9^5 + 3^4 - 3^6 & 58292 &:= -5^1 - 8^3 + 2^4 + 9^5 - 2^8 \\
57449 &:= -5^8 - 7^5 - 4^5 - 4^8 + 9^6 & 57934 &:= -5^3 + 7^1 + 9^5 + 3^3 - 4^5 & 58293 &:= -5^1 - 8^3 + 2^2 + 9^5 - 3^5 \\
57463 &:= -5^1 - 7^2 + 4^8 - 6^5 - 3^5 & 57936 &:= -5^1 - 7^3 + 9^5 - 3^6 - 6^2 & 58294 &:= -5^4 - 8^0 - 2^7 + 9^5 - 4^0 \\
57469 &:= -5^1 - 7^3 + 4^3 - 6^4 + 9^5 & 57938 &:= -5^4 - 7^0 + 9^5 + 3^3 - 8^3 & 58295 &:= -5^3 - 8^1 + 2^2 + 9^5 - 5^4 \\
57486 &:= -5^4 + 7^3 + 4^8 + 8^1 - 6^5 & 57939 &:= -5^4 + 7^0 - 9^3 + 3^5 + 9^5 & 58296 &:= -5^4 + 8^0 - 2^7 + 9^5 - 6^0 \\
57489 &:= -5^4 + 7^4 + 4^7 + 8^5 + 9^4 & 57952 &:= -5^3 - 7^3 + 9^5 - 5^4 - 2^2 & 58296 &:= -5^4 - 8^0 - 2^7 + 9^5 + 6^0 \\
57538 &:= -5^4 - 7^3 + 5^7 - 3^9 + 8^2 & 57953 &:= -5^2 - 7^3 + 9^5 + 5^0 - 3^6 & 58297 &:= -5^2 - 8^3 + 2^7 + 9^5 - 7^3 \\
57539 &:= -5^3 - 7^2 + 5^7 - 3^9 - 9^3 & 57954 &:= -5^2 + 7^4 + 9^5 + 5^4 - 4^6 & 58298 &:= -5^4 + 8^0 - 2^7 + 9^5 + 8^0 \\
57552 &:= -5^4 - 7^5 - 5^5 + 5^7 - 2^4 & 57955 &:= -5^2 + 7^6 - 9^5 + 5^1 - 5^4 & 58299 &:= -5^1 - 8^1 - 2^3 - 9^3 + 9^5 \\
57559 &:= -5^4 - 7^5 - 5^5 + 5^7 - 9^1 & 57957 &:= -5^2 - 7^3 + 9^5 - 5^5 + 7^4 & 58315 &:= -5^3 - 8^0 - 3^9 - 1^0 + 5^7 \\
57575 &:= -5^4 - 7^5 - 5^5 + 7^1 + 5^7 & 57962 &:= -5^4 + 7^2 + 9^5 + 6^0 - 2^9 & 58324 &:= -5^5 - 8^4 + 3^0 + 2^3 + 4^8 \\
57592 &:= -5^4 + 7^2 - 5^4 + 9^5 - 2^8 & 57967 &:= -5^4 - 7^1 - 9^5 - 6^0 + 7^6 & 58325 &:= -5^3 - 8^1 - 3^9 + 2^4 + 5^7 \\
57594 &:= -5^2 - 7^4 - 5^5 + 9^5 + 4^6 & 57968 &:= -5^4 + 7^6 - 9^5 + 6^0 - 8^1 & 58329 &:= -5^3 - 8^3 - 3^4 - 2^1 + 9^5 \\
57596 &:= -5^2 - 7^1 - 5^3 + 9^5 - 6^4 & 57972 &:= -5^4 - 7^0 - 9^5 + 7^6 - 2^1 & 58335 &:= -5^2 - 8^0 - 3^4 - 3^9 + 5^7 \\
57624 &:= -5^3 - 7^1 - 6^5 - 2^2 + 4^8 & 57973 &:= -5^1 - 7^3 + 9^5 + 7^0 - 3^6 & 58339 &:= -5^4 - 8^0 - 3^1 - 3^4 + 9^5 \\
57629 &:= -5^3 - 7^0 - 6^4 + 2^1 + 9^5 & 57975 &:= -5^4 + 7^0 - 9^5 + 7^6 - 5^0 & 58341 &:= -5^4 - 8^1 - 3^8 + 4^8 - 1^0 \\
57641 &:= -5^3 + 7^1 - 6^5 + 4^8 - 1^0 & 57975 &:= -5^4 - 7^0 - 9^5 + 7^6 + 5^0 & 58342 &:= -5^3 - 8^3 - 3^8 + 4^8 + 2^2 \\
57642 &:= -5^1 - 7^2 - 6^5 + 4^8 - 2^6 & 57976 &:= -5^4 + 7^1 - 9^5 + 7^6 - 6^1 & 58343 &:= -5^4 - 8^1 + 3^0 + 4^8 - 3^8 \\
57643 &:= -5^3 - 7^0 - 6^5 + 4^8 + 3^2 & 57977 &:= -5^4 + 7^0 - 9^5 + 7^0 + 7^6 & 58345 &:= -5^2 - 8^1 - 3^9 - 4^3 + 5^7 \\
57644 &:= -5^3 - 7^1 - 6^5 + 4^2 + 4^8 & 57979 &:= -5^1 - 7^3 - 9^3 + 7^1 + 9^5 & 58346 &:= -5^4 - 8^4 + 3^3 + 4^7 + 6^6 \\
57646 &:= -5^6 + 7^5 - 6^4 + 4^8 - 6^5 & 57982 &:= -5^4 + 7^6 - 9^5 + 8^1 - 2^0 & 58347 &:= -5^5 - 8^4 + 3^4 + 4^8 - 7^2 \\
57648 &:= -5^4 + 7^0 - 6^5 + 4^8 + 8^3 & 57984 &:= -5^4 + 7^6 - 9^5 + 8^1 + 4^0 & 58348 &:= -5^4 - 8^0 - 3^8 + 4^8 - 8^0 \\
57664 &:= -5^3 - 7^1 + 6^2 - 6^5 + 4^8 & 57992 &:= -5^4 - 7^0 + 9^2 + 9^5 - 2^9 & 58349 &:= -5^3 - 8^3 + 3^0 - 4^3 + 9^5 \\
57669 &:= -5^3 - 7^5 + 6^5 + 6^5 + 9^5 & 57993 &:= -5^4 + 7^6 - 9^5 + 9^1 + 3^2 & 58352 &:= -5^2 - 8^0 - 3^9 + 5^7 - 2^6 \\
57684 &:= -5^1 - 7^1 - 6^5 - 8^2 + 4^8 & 57994 &:= -5^2 - 7^1 + 9^0 + 9^5 - 4^5 & 58354 &:= -5^2 + 8^0 - 3^9 + 5^7 - 4^3 \\
57688 &:= -5^6 + 7^0 + 6^5 + 8^5 + 8^5 & 57995 &:= -5^1 - 7^3 - 9^2 + 9^5 - 5^4 & 58364 &:= -5^4 + 8^1 - 3^8 + 6^1 + 4^8 \\
57689 &:= -5^4 - 7^1 - 6^3 - 8^3 + 9^5 & 57999 &:= -5^4 - 7^3 - 9^0 - 9^2 + 9^5 & 58365 &:= -5^4 + 8^3 - 3^9 + 6^2 + 5^7 \\
57693 &:= -5^4 - 7^0 - 6^0 + 9^5 - 3^6 & 58079 &:= -5^4 - 8^0 - 0^0 - 7^3 + 9^5 & 58369 &:= -5^4 - 8^2 + 3^1 + 6^1 + 9^5 \\
57698 &:= -5^1 - 7^2 - 6^4 + 9^5 - 8^0 & 58146 &:= -5^3 + 8^3 - 1^0 + 4^8 - 6^5 & 58382 &:= -5^4 + 8^5 - 3^8 + 8^5 + 2^5 \\
57739 &:= -5^3 - 7^1 + 7^6 - 3^6 - 9^5 & 58193 &:= -5^3 - 8^0 - 1^0 + 9^5 - 3^6 & 58385 &:= -5^6 - 8^4 - 3^3 + 8^1 + 5^7 \\
57776 &:= -5^6 + 7^1 + 7^4 + 7^6 - 6^6 & 58239 &:= -5^2 - 8^2 + 2^3 - 3^6 + 9^5 & 58386 &:= -5^4 + 8^5 - 3^8 + 8^5 + 6^2
\end{aligned}$$

$58390 := -5^4 - 8^1 - 3^3 + 9^5 + 0^0$	$58524 := -5^6 - 8^1 + 5^7 + 2^7 - 4^6$	$58726 := -5^4 - 8^4 + 7^5 - 2^4 + 6^6$
$58392 := -5^4 + 8^0 - 3^0 + 9^5 - 2^5$	$58525 := -5^6 - 8^4 + 5^3 - 2^2 + 5^7$	$58739 := -5^4 - 8^0 + 7^3 - 3^3 + 9^5$
$58392 := -5^4 - 8^0 + 3^0 + 9^5 - 2^5$	$58526 := -5^6 - 8^4 + 5^7 + 2^7 - 6^1$	$58746 := -5^4 - 8^4 + 7^5 + 4^1 + 6^6$
$58393 := -5^4 - 8^0 - 3^1 + 9^5 - 3^3$	$58527 := -5^5 - 8^5 + 5^7 - 2^9 + 7^5$	$58749 := -5^2 + 8^2 - 7^3 + 4^1 + 9^5$
$58394 := -5^4 + 8^0 - 3^3 + 9^5 - 4^1$	$58529 := -5^1 - 8^1 + 5^1 - 2^9 + 9^5$	$58763 := -5^5 + 8^5 - 7^5 + 6^6 - 3^6$
$58395 := -5^2 - 8^0 - 3^1 + 9^5 - 5^4$	$58534 := -5^5 - 8^0 + 5^7 - 3^4 - 4^7$	$58769 := -5^4 + 8^0 + 7^3 + 6^0 + 9^5$
$58396 := -5^4 - 8^0 + 3^2 + 9^5 - 6^2$	$58539 := -5^4 - 8^0 + 5^3 - 3^2 + 9^5$	$58789 := -5^3 - 8^2 - 7^1 - 8^2 + 9^5$
$58397 := -5^4 + 8^0 - 3^3 + 9^5 - 7^0$	$58543 := -5^5 - 8^2 + 5^7 - 4^7 - 3^2$	$58793 := -5^1 - 8^0 - 7^1 + 9^5 - 3^5$
$58397 := -5^4 - 8^0 - 3^3 + 9^5 + 7^0$	$58544 := -5^3 - 8^4 + 5^7 + 4^5 - 4^7$	$58794 := -5^1 - 8^0 + 7^1 + 9^5 - 4^4$
$58399 := -5^4 + 8^0 - 3^3 + 9^0 + 9^5$	$58545 := -5^6 - 8^4 + 5^3 + 4^2 + 5^7$	$58796 := -5^3 - 8^0 - 7^3 + 9^5 + 6^3$
$58405 := -5^6 + 8^0 - 4^6 + 0^1 + 5^7$	$58546 := -5^5 - 8^2 + 5^7 - 4^7 - 6^1$	$58829 := -5^3 - 8^2 + 8^0 - 2^5 + 9^5$
$58409 := -5^3 - 8^3 - 4^1 + 0^0 + 9^5$	$58548 := -5^7 + 8^4 + 5^8 + 4^6 - 8^6$	$58834 := -5^3 - 8^1 - 8^1 - 3^8 + 4^8$
$58419 := -5^4 - 8^1 + 4^1 - 1^0 + 9^5$	$58549 := -5^1 - 8^3 + 5^0 + 4^2 + 9^5$	$58835 := -5^6 - 8^4 + 8^3 - 3^4 + 5^7$
$58429 := -5^3 - 8^3 + 4^0 + 2^4 + 9^5$	$58563 := -5^5 - 8^3 + 5^6 + 6^6 - 3^4$	$58839 := -5^1 + 8^2 - 8^3 + 3^5 + 9^5$
$58434 := -5^2 - 8^3 - 4^1 - 3^8 + 4^8$	$58565 := -5^6 - 8^4 + 5^3 + 6^2 + 5^7$	$58843 := -5^3 + 8^0 - 8^1 + 4^8 - 3^8$
$58435 := -5^1 - 8^0 - 4^0 - 3^9 + 5^7$	$58569 := -5^1 - 8^3 + 5^0 + 6^2 + 9^5$	$58852 := -5^6 - 8^2 - 8^4 + 5^7 + 2^9$
$58437 := -5^2 - 8^3 + 4^8 - 3^8 - 7^0$	$58579 := -5^2 - 8^0 + 5^1 + 7^6 - 9^5$	$58855 := -5^5 - 8^1 - 8^3 - 5^6 + 5^7$
$58439 := -5^2 - 8^3 - 4^3 - 3^2 + 9^5$	$58583 := -5^6 - 8^2 + 5^7 - 8^4 + 3^5$	$58869 := -5^3 + 8^1 - 8^2 + 6^0 + 9^5$
$58442 := -5^5 - 8^0 - 4^6 + 4^8 + 2^7$	$58594 := -5^7 - 8^0 - 5^8 + 9^6 - 4^6$	$58873 := -5^6 + 8^5 + 8^5 + 7^4 + 3^8$
$58449 := -5^2 - 8^3 + 4^0 - 4^3 + 9^5$	$58596 := -5^7 - 8^4 - 5^8 + 9^6 + 6^0$	$58879 := -5^4 - 8^1 + 8^3 - 7^2 + 9^5$
$58452 := -5^6 + 8^2 - 4^6 + 5^7 - 2^4$	$58597 := -5^4 - 8^0 + 5^3 + 9^5 + 7^2$	$58892 := -5^2 - 8^2 - 8^2 + 9^5 - 2^2$
$58453 := -5^1 - 8^3 + 4^8 - 5^1 - 3^8$	$58629 := -5^3 - 8^3 + 6^3 + 2^0 + 9^5$	$58893 := -5^2 - 8^2 - 8^2 + 9^5 - 3^1$
$58456 := -5^6 - 8^4 + 4^2 + 5^7 + 6^2$	$58634 := -5^4 - 8^4 + 6^1 - 3^7 + 4^8$	$58894 := -5^2 - 8^2 + 8^1 - 9^4 + 4^8$
$58457 := -5^5 + 8^1 + 4^4 + 5^7 - 7^5$	$58635 := -5^5 - 8^3 + 6^6 - 3^2 + 5^6$	$58895 := -5^2 - 8^2 - 8^2 + 9^5 - 5^0$
$58459 := -5^1 - 8^3 + 4^8 + 5^0 - 9^4$	$58639 := -5^4 + 8^1 - 6^2 + 3^5 + 9^5$	$58897 := -5^2 - 8^2 - 8^2 + 9^5 + 7^0$
$58463 := -5^2 - 8^0 + 4^8 - 6^5 + 3^6$	$58645 := -5^5 - 8^3 + 6^6 + 4^0 + 5^6$	$58899 := -5^3 - 8^1 - 8^1 - 9^1 + 9^5$
$58469 := -5^1 - 8^3 - 4^3 + 6^0 + 9^5$	$58649 := -5^4 + 8^1 + 6^3 + 4^0 + 9^5$	$58908 := -5^3 - 8^1 + 9^5 + 0^1 - 8^1$
$58474 := -5^5 - 8^3 - 4^5 - 7^4 + 4^8$	$58652 := -5^5 + 8^1 + 6^6 + 5^6 - 2^9$	$58913 := -5^3 - 8^0 + 9^5 - 1^0 - 3^2$
$58475 := -5^6 + 8^2 - 4^6 + 7^1 + 5^7$	$58653 := -5^5 - 8^3 + 6^6 + 5^6 + 3^2$	$58914 := -5^3 - 8^1 + 9^5 - 1^0 - 4^0$
$58476 := -5^3 - 8^4 + 4^7 - 7^3 + 6^6$	$58654 := -5^6 - 8^4 - 6^1 + 5^7 + 4^4$	$58916 := -5^3 - 8^0 + 9^5 - 1^0 - 6^1$
$58478 := -5^4 - 8^4 + 4^8 - 7^4 + 8^2$	$58656 := -5^6 - 8^4 + 6^2 + 5^7 + 6^3$	$58917 := -5^3 - 8^0 + 9^5 + 1^0 - 7^1$
$58479 := -5^1 - 8^3 - 4^1 - 7^2 + 9^5$	$58678 := -5^4 - 8^2 + 6^6 + 7^5 - 8^4$	$58918 := -5^3 + 8^0 + 9^5 + 1^0 - 8^1$
$58490 := -5^4 + 8^0 + 4^3 + 9^5 + 0^0$	$58679 := -5^2 - 8^0 - 6^0 - 7^3 + 9^5$	$58920 := -5^3 - 8^0 + 9^5 - 2^1 - 0^0$
$58491 := -5^4 + 8^2 + 4^1 + 9^5 - 1^0$	$58692 := -5^1 - 8^1 - 6^3 + 9^5 - 2^7$	$58921 := -5^3 - 8^0 + 9^5 - 2^0 - 1^0$
$58492 := -5^2 - 8^3 - 4^1 + 9^5 - 2^4$	$58693 := -5^4 + 8^3 - 6^3 + 9^5 - 3^3$	$58922 := -5^3 - 8^0 + 9^5 + 2^0 - 2^1$
$58493 := -5^2 - 8^3 - 4^2 + 9^5 - 3^1$	$58694 := -5^4 + 8^1 + 6^1 + 9^5 + 4^4$	$58923 := -5^1 - 8^1 + 9^5 - 2^5 - 3^4$
$58495 := -5^2 - 8^3 - 4^2 + 9^5 - 5^0$	$58695 := -5^1 - 8^1 - 6^3 + 9^5 - 5^3$	$58924 := -5^1 - 8^1 + 9^5 - 2^7 + 4^2$
$58496 := -5^1 + 8^3 - 4^5 + 9^5 - 6^2$	$58697 := -5^4 + 8^1 + 6^3 + 9^5 + 7^2$	$58925 := -5^3 + 8^0 + 9^5 + 2^0 - 5^0$
$58497 := -5^2 - 8^3 - 4^2 + 9^5 + 7^0$	$58699 := -5^3 - 8^1 - 6^3 - 9^0 + 9^5$	$58925 := -5^3 - 8^0 + 9^5 + 2^0 + 5^0$
$58499 := -5^2 - 8^3 - 4^1 - 9^1 + 9^5$	$58705 := -5^5 + 8^3 - 7^5 + 0^1 + 5^7$	$58926 := -5^2 - 8^2 + 9^5 + 2^1 - 6^2$
$58523 := -5^6 - 8^4 + 5^7 + 2^7 - 3^2$	$58709 := -5^1 + 8^1 - 7^3 + 0^1 + 9^5$	$58927 := -5^1 - 8^2 + 9^5 - 2^2 - 7^2$

$58928 := -5^2 - 8^2 + 9^5 + 2^5 - 8^2$	$58972 := -5^1 - 8^0 + 9^5 - 7^1 - 2^6$	$59037 := -5^1 + 9^5 - 0^0 + 3^0 - 7^1$
$58929 := -5^2 - 8^2 + 9^0 - 2^5 + 9^5$	$58973 := -5^2 - 8^0 + 9^5 - 7^2 - 3^0$	$59038 := -5^1 + 9^5 + 0^0 + 3^0 - 8^1$
$58931 := -5^3 - 8^0 + 9^5 + 3^2 - 1^0$	$58974 := -5^1 - 8^2 + 9^5 - 7^1 + 4^0$	$59039 := -5^1 - 9^0 - 0^0 - 3^1 + 9^5$
$58932 := -5^2 - 8^0 + 9^5 - 3^3 - 2^6$	$58975 := -5^2 - 8^0 + 9^5 - 7^2 + 5^0$	$59040 := -5^2 + 9^5 + 0^0 + 4^2 - 0^0$
$58933 := -5^2 - 8^0 + 9^5 - 3^2 - 3^4$	$58977 := -5^2 + 8^0 + 9^5 + 7^0 - 7^2$	$59040 := -5^2 + 9^5 - 0^0 + 4^2 + 0^0$
$58934 := -5^2 - 8^1 + 9^5 - 3^4 - 4^0$	$58978 := -5^1 - 8^0 + 9^5 - 7^0 - 8^2$	$59041 := -5^2 + 9^5 + 0^1 + 4^2 + 1^0$
$58935 := -5^3 + 8^0 + 9^5 + 3^2 + 5^0$	$58980 := -5^1 - 8^0 + 9^5 - 8^2 + 0^0$	$59042 := -5^1 + 9^5 - 0^0 + 4^0 - 2^1$
$58936 := -5^2 - 8^0 + 9^5 - 3^4 - 6^1$	$58981 := -5^3 - 8^1 + 9^5 + 8^2 + 1^0$	$59043 := -5^1 + 9^5 - 0^0 + 4^0 - 3^0$
$58938 := -5^4 + 8^0 + 9^5 + 3^0 + 8^3$	$58982 := -5^1 + 8^0 + 9^5 + 8^0 - 2^6$	$59044 := -5^1 + 9^5 + 0^1 + 4^0 - 4^0$
$58939 := -5^2 - 8^0 - 9^2 - 3^1 + 9^5$	$58983 := -5^3 - 8^1 + 9^5 + 8^2 + 3^1$	$59045 := -5^1 + 9^5 + 0^0 + 4^0 - 5^0$
$58940 := -5^3 + 8^0 + 9^5 + 4^2 - 0^0$	$58984 := -5^1 - 8^2 + 9^5 + 8^1 - 4^1$	$59046 := -5^1 + 9^5 - 0^0 + 4^1 - 6^0$
$58940 := -5^3 - 8^0 + 9^5 + 4^2 + 0^0$	$58985 := -5^3 - 8^1 + 9^5 + 8^2 + 5^1$	$59047 := -5^1 + 9^5 + 0^0 + 4^0 + 7^0$
$58941 := -5^2 - 8^1 - 9^4 + 4^8 - 1^0$	$58986 := -5^2 - 8^0 + 9^5 - 8^0 - 6^2$	$59048 := -5^1 + 9^5 + 0^0 + 4^1 - 8^0$
$58942 := -5^2 + 8^1 - 9^4 + 4^8 - 2^4$	$58987 := -5^1 - 8^2 + 9^5 + 8^1 - 7^0$	$59049 := -5^1 + 9^0 + 0^1 + 4^1 + 9^5$
$58943 := -5^1 - 8^2 + 9^5 - 4^3 + 3^3$	$58988 := -5^3 - 8^0 + 9^5 + 8^0 + 8^2$	$59050 := -5^1 + 9^5 + 0^0 + 5^1 + 0^1$
$58944 := -5^3 + 8^1 + 9^5 + 4^2 - 4^1$	$58989 := -5^1 - 8^2 + 9^0 + 8^1 + 9^5$	$59051 := -5^1 + 9^5 + 0^0 + 5^1 + 1^0$
$58945 := -5^2 - 8^2 + 9^5 - 4^2 + 5^0$	$58990 := -5^1 - 8^2 + 9^1 + 9^5 + 0^0$	$59052 := -5^1 + 9^5 - 0^0 + 5^0 + 2^3$
$58946 := -5^2 - 8^1 + 9^5 - 4^3 - 6^1$	$58992 := -5^2 + 8^0 - 9^0 + 9^5 - 2^5$	$59053 := -5^1 + 9^5 - 0^0 + 5^0 + 3^2$
$58947 := -5^1 - 8^2 + 9^5 + 4^2 - 7^2$	$58992 := -5^2 - 8^0 + 9^0 + 9^5 - 2^5$	$59054 := -5^1 + 9^5 + 0^0 + 5^1 + 4^1$
$58948 := -5^2 - 8^0 - 9^4 + 4^8 - 8^0$	$58996 := -5^2 - 8^0 + 9^1 + 9^5 - 6^2$	$59055 := -5^1 + 9^5 + 0^0 + 5^1 + 5^1$
$58949 := -5^2 + 8^1 - 9^1 + 4^8 - 9^4$	$58997 := -5^1 + 8^0 + 9^0 + 9^5 - 7^2$	$59056 := -5^1 + 9^5 + 0^0 + 5^1 + 6^1$
$58950 := -5^3 + 8^0 + 9^5 + 5^2 + 0^1$	$58998 := -5^3 + 8^0 + 9^1 + 9^5 + 8^2$	$59057 := -5^1 + 9^5 + 0^0 + 5^1 + 7^1$
$58951 := -5^3 + 8^0 + 9^5 + 5^2 + 1^0$	$59012 := -5^1 + 9^5 - 0^0 + 1^0 - 2^5$	$59058 := -5^1 + 9^5 + 0^0 + 5^1 + 8^1$
$58952 := -5^3 + 8^0 + 9^5 + 5^2 + 2^1$	$59017 := -5^2 + 9^5 - 0^0 + 1^0 - 7^1$	$59059 := -5^1 + 9^1 + 0^0 + 5^1 + 9^5$
$58953 := -5^3 + 8^0 + 9^5 + 5^0 + 3^3$	$59018 := -5^2 + 9^5 + 0^0 + 1^0 - 8^1$	$59060 := -5^2 + 9^5 - 0^0 + 6^2 + 0^0$
$58954 := -5^1 - 8^0 + 9^5 - 5^2 - 4^3$	$59022 := -5^2 + 9^5 - 0^0 + 2^0 - 2^1$	$59061 := -5^2 + 9^5 + 0^1 + 6^2 + 1^0$
$58955 := -5^3 + 8^0 + 9^5 + 5^1 + 5^2$	$59023 := -5^2 + 9^5 - 0^0 + 2^0 - 3^0$	$59062 := -5^1 + 9^5 + 0^0 + 6^0 + 2^4$
$58956 := -5^1 - 8^2 + 9^5 - 5^2 + 6^0$	$59024 := -5^2 + 9^5 - 0^0 + 2^1 - 4^0$	$59063 := -5^2 + 9^5 + 0^1 + 6^2 + 3^1$
$58957 := -5^3 + 8^0 + 9^5 + 5^2 + 7^1$	$59025 := -5^2 + 9^5 + 0^0 + 2^0 - 5^0$	$59064 := -5^1 + 9^5 + 0^1 + 6^2 - 4^2$
$58958 := -5^2 - 8^0 + 9^5 - 5^0 - 8^2$	$59025 := -5^2 + 9^5 - 0^0 + 2^0 + 5^0$	$59065 := -5^2 + 9^5 + 0^1 + 6^2 + 5^1$
$58959 := -5^3 + 8^0 + 9^1 + 5^2 + 9^5$	$59026 := -5^2 + 9^5 + 0^0 + 2^1 - 6^0$	$59066 := -5^2 + 9^5 + 0^1 + 6^1 + 6^2$
$58960 := -5^2 - 8^2 + 9^5 + 6^0 - 0^0$	$59026 := -5^2 + 9^5 - 0^0 + 2^1 + 6^0$	$59067 := -5^2 + 9^5 + 0^1 + 6^2 + 7^1$
$58960 := -5^2 - 8^2 + 9^5 - 6^0 + 0^0$	$59027 := -5^1 + 9^5 + 0^1 + 2^5 - 7^2$	$59068 := -5^2 + 9^5 + 0^1 + 6^2 + 8^1$
$58962 := -5^2 + 8^0 + 9^5 + 6^0 - 2^6$	$59028 := -5^2 + 9^5 + 0^0 + 2^1 + 8^0$	$59069 := -5^2 + 9^1 + 0^1 + 6^2 + 9^5$
$58963 := -5^1 - 8^0 + 9^5 + 6^0 - 3^4$	$59029 := -5^2 + 9^0 + 0^1 + 2^2 + 9^5$	$59071 := -5^2 + 9^5 - 0^0 + 7^2 - 1^0$
$58964 := -5^2 + 8^1 - 9^4 + 6^1 + 4^8$	$59031 := -5^2 + 9^5 - 0^0 + 3^2 - 1^0$	$59072 := -5^2 + 9^5 + 0^0 + 7^2 - 2^1$
$58965 := -5^2 - 8^2 + 9^5 + 6^1 - 5^0$	$59032 := -5^1 + 9^5 + 0^0 + 3^1 - 2^4$	$59073 := -5^1 + 9^5 + 0^0 + 7^0 + 3^3$
$58966 := -5^4 + 8^3 + 9^5 + 6^2 - 6^1$	$59033 := -5^2 + 9^5 - 0^0 + 3^0 + 3^2$	$59074 := -5^2 + 9^5 + 0^1 + 7^2 + 4^0$
$58967 := -5^1 - 8^2 + 9^5 - 6^1 - 7^1$	$59034 := -5^2 + 9^5 - 0^0 + 3^3 - 4^2$	$59075 := -5^1 + 9^5 - 0^0 + 7^1 + 5^2$
$58969 := -5^3 + 8^1 + 9^0 + 6^2 + 9^5$	$59035 := -5^2 + 9^5 + 0^0 + 3^2 + 5^0$	$59084 := -5^2 + 9^5 + 0^1 + 8^2 - 4^1$
$58971 := -5^3 - 8^0 + 9^5 + 7^2 - 1^0$	$59036 := -5^1 + 9^5 + 0^0 + 3^3 - 6^2$	$59086 := -5^2 + 9^5 - 0^0 + 8^2 - 6^0$

$59087 := -5^2 + 9^5 + 0^1 + 8^2 - 7^0$	$59244 := -5^1 + 9^5 + 2^3 + 4^4 - 4^3$	$59320 := -5^1 + 9^5 + 3^5 + 2^5 + 0^0$
$59088 := -5^2 + 9^5 - 0^0 + 8^0 + 8^2$	$59245 := -5^2 + 9^5 + 2^5 + 4^3 + 5^3$	$59326 := -5^1 + 9^5 + 3^3 + 2^8 - 6^0$
$59089 := -5^2 + 9^0 + 0^1 + 8^2 + 9^5$	$59246 := -5^2 - 9^4 + 2^9 + 4^8 - 6^3$	$59328 := -5^1 + 9^5 + 3^3 + 2^8 + 8^0$
$59092 := -5^1 + 9^2 - 0^0 + 9^5 - 2^5$	$59247 := -5^1 + 9^5 - 2^2 + 4^4 - 7^2$	$59332 := -5^2 + 9^5 + 3^0 + 3^5 + 2^6$
$59097 := -5^2 + 9^2 - 0^0 + 9^5 - 7^1$	$59248 := -5^2 + 9^5 + 2^5 + 4^4 - 8^2$	$59334 := -5^2 + 9^5 + 3^1 + 3^5 + 4^3$
$59098 := -5^1 - 9^1 - 0^0 + 9^5 + 8^2$	$59249 := -5^2 + 9^0 - 2^5 + 4^4 + 9^5$	$59337 := -5^1 + 9^5 + 3^0 + 3^5 + 7^2$
$59108 := -5^1 + 9^5 - 1^0 + 0^0 + 8^2$	$59260 := -5^1 + 9^5 + 2^0 + 6^3 - 0^0$	$59339 := -5^2 - 9^1 + 3^4 + 3^5 + 9^5$
$59132 := -5^1 + 9^5 - 1^0 + 3^4 + 2^3$	$59260 := -5^1 + 9^5 - 2^0 + 6^3 + 0^0$	$59340 := -5^1 + 9^5 - 3^6 + 4^5 + 0^0$
$59133 := -5^1 + 9^5 - 1^0 + 3^2 + 3^4$	$59261 := -5^1 + 9^5 + 2^1 + 6^3 - 1^0$	$59349 := -5^2 + 9^2 + 3^5 + 4^0 + 9^5$
$59134 := -5^1 + 9^5 - 1^0 + 3^3 + 4^3$	$59262 := -5^1 + 9^5 + 2^0 + 6^3 + 2^0$	$59352 := -5^1 + 9^5 + 3^3 + 5^2 + 2^8$
$59150 := -5^2 + 9^5 + 1^0 + 5^3 + 0^1$	$59263 := -5^1 + 9^5 + 2^1 + 6^3 + 3^0$	$59353 := -5^2 + 9^5 + 3^4 + 5^1 + 3^5$
$59151 := -5^2 + 9^5 + 1^0 + 5^3 + 1^0$	$59264 := -5^1 + 9^5 + 2^3 + 6^3 - 4^1$	$59354 := -5^2 + 9^5 + 3^6 + 5^4 - 4^5$
$59152 := -5^1 + 9^5 - 1^0 + 5^3 - 2^4$	$59265 := -5^1 + 9^5 + 2^2 + 6^3 + 5^0$	$59355 := -5^2 + 9^5 + 3^4 + 5^3 + 5^3$
$59153 := -5^2 + 9^5 + 1^0 + 5^3 + 3^1$	$59266 := -5^2 + 9^5 + 2^5 + 6^3 - 6^1$	$59356 := -5^2 + 9^5 - 3^2 + 5^3 + 6^3$
$59154 := -5^1 + 9^5 + 1^0 + 5^3 - 4^2$	$59267 := -5^1 + 9^5 + 2^3 + 6^3 - 7^0$	$59357 := -5^2 + 9^5 - 3^5 + 5^4 - 7^2$
$59155 := -5^2 + 9^5 + 1^0 + 5^1 + 5^3$	$59268 := -5^1 + 9^5 + 2^4 + 6^3 - 8^1$	$59359 := -5^4 + 9^2 + 3^6 + 5^3 + 9^5$
$59156 := -5^2 + 9^5 + 1^0 + 5^3 + 6^1$	$59269 := -5^1 + 9^0 + 2^3 + 6^3 + 9^5$	$59362 := -5^2 + 9^5 + 3^4 + 6^0 + 2^8$
$59157 := -5^2 + 9^5 + 1^0 + 5^3 + 7^1$	$59270 := -5^3 + 9^5 + 2^1 + 7^3 + 0^0$	$59367 := -5^2 + 9^5 - 3^0 + 6^0 + 7^3$
$59158 := -5^1 + 9^5 + 1^0 + 5^4 - 8^3$	$59272 := -5^3 + 9^5 + 2^0 + 7^3 + 2^2$	$59368 := -5^4 + 9^5 + 3^6 + 6^3 - 8^0$
$59159 := -5^1 - 9^1 - 1^0 + 5^3 + 9^5$	$59273 := -5^2 + 9^5 - 2^0 + 7^1 + 3^5$	$59369 := -5^1 + 9^2 + 3^5 + 6^0 + 9^5$
$59172 := -5^1 + 9^5 - 1^0 + 7^0 + 2^7$	$59274 := -5^3 + 9^5 + 2^3 + 7^3 - 4^0$	$59370 := -5^2 + 9^5 + 3^1 + 7^3 + 0^1$
$59173 := -5^1 + 9^5 - 1^0 + 7^2 + 3^4$	$59276 := -5^3 + 9^5 + 2^3 + 7^3 + 6^0$	$59371 := -5^2 + 9^5 + 3^1 + 7^3 + 1^0$
$59175 := -5^1 + 9^5 - 1^0 + 7^1 + 5^3$	$59278 := -5^4 + 9^5 - 2^0 + 7^3 + 8^3$	$59372 := -5^1 + 9^5 + 3^0 + 7^3 - 2^4$
$59182 := -5^3 + 9^5 + 1^0 + 8^0 + 2^8$	$59280 := -5^2 + 9^5 + 2^8 + 8^0 - 0^0$	$59373 := -5^2 + 9^5 + 3^1 + 7^3 + 3^1$
$59203 := -5^2 + 9^5 - 2^6 + 0^1 + 3^5$	$59281 := -5^2 + 9^5 - 2^8 + 8^3 + 1^0$	$59374 := -5^1 + 9^5 + 3^1 + 7^3 - 4^2$
$59205 := -5^3 + 9^5 + 2^8 + 0^1 + 5^2$	$59282 := -5^2 + 9^5 + 2^0 + 8^0 + 2^8$	$59375 := -5^2 + 9^5 + 3^1 + 7^3 + 5^1$
$59223 := -5^1 + 9^5 + 2^2 + 2^8 - 3^4$	$59283 := -5^1 + 9^5 + 2^8 + 8^2 - 3^4$	$59376 := -5^2 + 9^5 + 3^1 + 7^3 + 6^1$
$59224 := -5^1 - 9^4 - 2^1 + 2^8 + 4^8$	$59284 := -5^1 + 9^5 - 2^4 + 8^3 - 4^4$	$59377 := -5^1 + 9^5 - 3^1 + 7^3 - 7^1$
$59225 := -5^1 + 9^5 - 2^3 + 2^6 + 5^3$	$59285 := -5^2 + 9^5 + 2^7 + 8^1 + 5^3$	$59378 := -5^1 + 9^5 - 3^0 + 7^3 - 8^1$
$59226 := -5^2 + 9^5 - 2^4 + 2^1 + 6^3$	$59286 := -5^2 + 9^5 - 2^8 + 8^3 + 6^1$	$59379 := -5^1 + 9^0 - 3^2 + 7^3 + 9^5$
$59227 := -5^2 + 9^5 - 2^2 + 2^8 - 7^2$	$59287 := -5^2 + 9^5 + 2^8 + 8^1 - 7^0$	$59382 := -5^1 + 9^5 + 3^4 + 8^0 + 2^8$
$59228 := -5^1 + 9^5 - 2^3 + 2^7 + 8^2$	$59288 := -5^2 + 9^5 - 2^8 + 8^1 + 8^3$	$59387 := -5^1 + 9^5 - 3^0 + 8^0 + 7^3$
$59229 := -5^2 + 9^2 - 2^2 + 2^7 + 9^5$	$59289 := -5^2 + 9^0 + 2^8 + 8^1 + 9^5$	$59392 := -5^4 + 9^3 + 3^5 + 9^5 - 2^2$
$59230 := -5^3 + 9^5 + 2^6 + 3^5 - 0^0$	$59290 := -5^1 - 9^1 + 2^8 + 9^5 - 0^0$	$59393 := -5^4 + 9^3 - 3^1 + 9^5 + 3^5$
$59232 := -5^2 + 9^5 - 2^0 + 3^4 + 2^7$	$59292 := -5^1 - 9^1 + 2^0 + 9^5 + 2^8$	$59394 := -5^3 + 9^3 - 3^1 + 9^5 - 4^4$
$59233 := -5^4 + 9^5 - 2^0 + 3^4 + 3^6$	$59298 := -5^1 - 9^0 + 2^8 + 9^5 - 8^0$	$59395 := -5^4 + 9^3 + 3^5 + 9^5 - 5^0$
$59234 := -5^2 + 9^5 - 2^5 + 3^5 - 4^0$	$59302 := -5^1 + 9^5 + 3^0 + 0^0 + 2^8$	$59396 := -5^4 - 9^2 - 3^5 + 9^5 + 6^4$
$59236 := -5^2 + 9^5 - 2^5 + 3^5 + 6^0$	$59304 := -5^1 + 9^5 + 3^1 + 0^0 + 4^4$	$59397 := -5^1 + 9^0 + 3^2 + 9^5 + 7^3$
$59237 := -5^1 + 9^5 - 2^0 + 3^5 - 7^2$	$59307 := -5^1 + 9^5 - 3^4 + 0^0 + 7^3$	$59405 := -5^2 + 9^5 + 4^4 + 0^1 + 5^3$
$59242 := -5^1 - 9^4 + 2^4 + 4^8 + 2^8$	$59316 := -5^4 + 9^5 + 3^7 + 1^0 - 6^4$	$59409 := -5^4 + 9^3 + 4^4 + 0^1 + 9^5$
$59243 := -5^2 + 9^5 - 2^6 + 4^4 + 3^3$	$59317 := -5^2 + 9^5 + 3^5 + 1^0 + 7^2$	$59420 := -5^3 + 9^5 - 4^2 + 2^9 + 0^1$

$$\begin{aligned}
59421 &:= -5^3 + 9^5 - 4^2 + 2^9 + 1^0 & 59534 &:= -5^3 + 9^5 + 5^4 + 3^0 - 4^2 & 59638 &:= -5^1 + 9^5 + 6^0 + 3^4 + 8^3 \\
59422 &:= -5^3 + 9^5 - 4^2 + 2^1 + 2^9 & 59536 &:= -5^2 + 9^5 - 5^0 + 3^6 - 6^3 & 59642 &:= -5^4 - 9^4 + 6^4 + 4^8 - 2^2 \\
59423 &:= -5^2 - 9^4 + 4^8 - 2^8 + 3^6 & 59537 &:= -5^4 - 9^5 - 5^4 + 3^7 + 7^6 & 59643 &:= -5^2 + 9^3 - 6^2 + 4^8 - 3^8 \\
59424 &:= -5^1 + 9^5 - 4^1 + 2^7 + 4^4 & 59538 &:= -5^2 + 9^5 + 5^0 + 3^0 + 8^3 & 59645 &:= -5^4 - 9^4 + 6^4 + 4^8 - 5^0 \\
59425 &:= -5^1 + 9^5 - 4^4 + 2^9 + 5^3 & 59539 &:= -5^3 - 9^0 + 5^4 - 3^2 + 9^5 & 59647 &:= -5^2 + 9^5 + 6^3 + 4^3 + 7^3 \\
59426 &:= -5^2 - 9^4 + 4^8 + 2^9 - 6^2 & 59542 &:= -5^1 + 9^5 + 5^4 + 4^0 - 2^7 & 59648 &:= -5^2 + 9^3 + 6^6 + 4^7 - 8^4 \\
59427 &:= -5^1 + 9^5 + 4^4 + 2^7 - 7^0 & 59545 &:= -5^1 + 9^5 - 5^3 + 4^0 + 5^4 & 59650 &:= -5^2 + 9^5 + 6^0 + 5^4 + 0^1 \\
59428 &:= -5^1 + 9^5 + 4^3 + 2^8 + 8^2 & 59549 &:= -5^3 - 9^0 + 5^4 + 4^0 + 9^5 & 59651 &:= -5^2 + 9^5 + 6^0 + 5^4 + 1^0 \\
59429 &:= -5^1 + 9^0 + 4^4 + 2^7 + 9^5 & 59550 &:= -5^3 + 9^5 + 5^0 + 5^4 + 0^1 & 59652 &:= -5^1 + 9^5 - 6^0 + 5^4 - 2^4 \\
59436 &:= -5^3 + 9^5 - 4^0 + 3^6 - 6^3 & 59551 &:= -5^3 + 9^5 + 5^0 + 5^4 + 1^0 & 59653 &:= -5^2 + 9^5 + 6^0 + 5^4 + 3^1 \\
59438 &:= -5^3 + 9^5 + 4^0 + 3^0 + 8^3 & 59552 &:= -5^1 + 9^5 - 5^1 + 5^0 + 2^9 & 59654 &:= -5^1 + 9^5 + 6^0 + 5^4 - 4^2 \\
59442 &:= -5^4 + 9^5 - 4^1 + 4^5 - 2^1 & 59553 &:= -5^1 + 9^5 - 5^3 + 5^4 + 3^2 & 59655 &:= -5^2 + 9^5 + 6^0 + 5^1 + 5^4 \\
59443 &:= -5^1 + 9^3 - 4^4 + 4^8 - 3^8 & 59554 &:= -5^3 + 9^5 + 5^0 + 5^4 + 4^1 & 59656 &:= -5^2 + 9^5 + 6^0 + 5^4 + 6^1 \\
59444 &:= -5^7 + 9^4 - 4^3 + 4^8 + 4^8 & 59555 &:= -5^3 + 9^5 + 5^0 + 5^1 + 5^4 & 59657 &:= -5^2 + 9^5 + 6^0 + 5^4 + 7^1 \\
59445 &:= -5^4 + 9^5 - 4^1 + 4^5 + 5^0 & 59556 &:= -5^3 + 9^5 + 5^0 + 5^4 + 6^1 & 59658 &:= -5^2 + 9^5 + 6^0 + 5^4 + 8^1 \\
59446 &:= -5^4 + 9^5 - 4^0 + 4^5 - 6^0 & 59557 &:= -5^3 + 9^5 + 5^0 + 5^4 + 7^1 & 59659 &:= -5^1 - 9^1 - 6^0 + 5^4 + 9^5 \\
59447 &:= -5^1 + 9^5 - 4^1 + 4^3 + 7^3 & 59558 &:= -5^1 + 9^5 + 5^0 + 5^0 + 8^3 & 59662 &:= -5^4 + 9^5 + 6^1 + 6^4 - 2^6 \\
59448 &:= -5^3 + 9^5 - 4^1 + 4^2 + 8^3 & 59559 &:= -5^3 + 9^1 + 5^0 + 5^4 + 9^5 & 59675 &:= -5^1 + 9^5 - 6^0 + 7^1 + 5^4 \\
59450 &:= -5^4 + 9^5 + 4^5 + 5^0 + 0^0 & 59562 &:= -5^1 + 9^5 + 5^1 + 6^0 + 2^9 & 59683 &:= -5^4 + 9^2 + 6^5 + 8^5 + 3^9 \\
59452 &:= -5^4 + 9^5 + 4^5 + 5^1 - 2^0 & 59569 &:= -5^2 - 9^2 + 5^4 + 6^0 + 9^5 & 59688 &:= -5^2 + 9^5 + 6^3 + 8^3 - 8^2 \\
59454 &:= -5^4 + 9^5 + 4^0 + 5^1 + 4^5 & 59572 &:= -5^3 + 9^5 + 5^4 + 7^1 + 2^4 & 59690 &:= -5^3 + 9^3 + 6^2 + 9^5 + 0^0 \\
59455 &:= -5^5 + 9^2 - 4^0 + 5^7 - 5^6 & 59573 &:= -5^2 + 9^5 + 5^3 + 7^3 + 3^4 & 59693 &:= -5^1 - 9^2 + 6^0 + 9^5 + 3^6 \\
59462 &:= -5^4 + 9^5 - 4^4 + 6^4 - 2^1 & 59574 &:= -5^2 - 9^4 + 5^4 - 7^0 + 4^8 & 59703 &:= -5^3 + 9^5 + 7^2 + 0^0 + 3^6 \\
59463 &:= -5^2 - 9^4 + 4^8 - 6^3 + 3^6 & 59575 &:= -5^3 + 9^5 + 5^2 + 7^0 + 5^4 & 59732 &:= -5^1 + 9^5 - 7^2 + 3^6 + 2^3 \\
59465 &:= -5^4 + 9^5 - 4^4 + 6^4 + 5^0 & 59578 &:= -5^6 - 9^1 + 5^7 - 7^4 - 8^3 & 59733 &:= -5^1 + 9^5 - 7^2 + 3^2 + 3^6 \\
59467 &:= -5^1 + 9^5 + 4^4 + 6^3 - 7^2 & 59580 &:= -5^1 + 9^5 + 5^2 + 8^3 - 0^0 & 59734 &:= -5^1 + 9^5 - 7^3 + 3^2 + 4^5 \\
59468 &:= -5^2 - 9^4 + 4^8 + 6^1 + 8^3 & 59582 &:= -5^1 + 9^5 + 5^2 + 8^0 + 2^9 & 59735 &:= -5^2 + 9^5 + 7^1 + 3^6 - 5^2 \\
59481 &:= -5^1 - 9^4 + 4^8 + 8^3 - 1^0 & 59583 &:= -5^6 - 9^3 + 5^7 - 8^0 - 3^7 & 59736 &:= -5^1 + 9^5 - 7^0 + 3^6 - 6^2 \\
59483 &:= -5^1 + 9^0 + 4^8 + 8^3 - 3^8 & 59586 &:= -5^3 + 9^5 + 5^4 + 8^0 + 6^2 & 59737 &:= -5^2 + 9^5 + 7^3 + 3^3 + 7^3 \\
59484 &:= -5^3 + 9^5 - 4^2 + 8^3 + 4^3 & 59589 &:= -5^1 - 9^2 + 5^4 + 8^0 + 9^5 & 59738 &:= -5^2 + 9^5 - 7^1 + 3^6 - 8^1 \\
59486 &:= -5^1 + 9^5 - 4^3 + 8^3 - 6^1 & 59592 &:= -5^1 - 9^2 + 5^4 + 9^5 + 2^2 & 59739 &:= -5^4 + 9^3 + 7^3 + 3^5 + 9^5 \\
59488 &:= -5^1 + 9^5 - 4^1 + 8^3 - 8^2 & 59593 &:= -5^6 - 9^3 + 5^7 + 9^1 - 3^7 & 59752 &:= -5^1 + 9^5 - 7^4 + 5^5 - 2^4 \\
59496 &:= -5^2 + 9^3 - 4^4 + 9^5 - 6^0 & 59594 &:= -5^1 - 9^0 + 5^4 - 9^4 + 4^8 & 59753 &:= -5^2 + 9^5 - 7^0 + 5^0 + 3^6 \\
59497 &:= -5^4 + 9^3 + 4^0 + 9^5 + 7^3 & 59596 &:= -5^2 - 9^3 + 5^1 + 9^5 + 6^4 & 59756 &:= -5^3 + 9^0 - 7^4 + 5^6 + 6^6 \\
59498 &:= -5^2 + 9^3 - 4^4 + 9^5 + 8^0 & 59597 &:= -5^3 - 9^0 + 5^4 + 9^5 + 7^2 & 59757 &:= -5^2 - 9^5 + 7^5 - 5^6 + 7^6 \\
59512 &:= -5^2 + 9^5 - 5^2 + 1^0 + 2^9 & 59604 &:= -5^5 + 9^5 + 6^5 + 0^1 - 4^6 & 59759 &:= -5^1 - 9^1 - 7^4 + 5^5 + 9^5 \\
59522 &:= -5^2 + 9^5 + 5^4 + 2^0 - 2^7 & 59623 &:= -5^2 + 9^5 + 6^1 + 2^9 + 3^4 & 59768 &:= -5^4 + 9^5 + 7^2 + 6^4 - 8^0 \\
59523 &:= -5^3 + 9^5 + 5^4 + 2^0 - 3^3 & 59624 &:= -5^2 + 9^5 + 6^3 + 2^7 + 4^4 & 59772 &:= -5^3 + 9^5 - 7^1 + 7^3 + 2^9 \\
59525 &:= -5^2 + 9^5 - 5^3 + 2^0 + 5^4 & 59625 &:= -5^2 + 9^5 - 6^2 + 2^9 + 5^3 & 59773 &:= -5^1 + 9^5 - 7^0 + 7^0 + 3^6 \\
59529 &:= -5^3 + 9^3 - 5^3 + 2^0 + 9^5 & 59628 &:= -5^2 + 9^5 - 6^2 + 2^7 + 8^3 & 59774 &:= -5^1 + 9^5 - 7^3 + 7^2 + 4^5 \\
59532 &:= -5^1 + 9^5 - 5^2 + 3^0 + 2^9 & 59629 &:= -5^4 + 9^3 - 6^2 + 2^9 + 9^5 & 59775 &:= -5^1 + 9^5 - 7^4 + 7^1 + 5^5
\end{aligned}$$

$$\begin{aligned}
59776 &:= -5^4 + 9^5 + 7^1 + 7^2 + 6^4 & 60445 &:= -6^4 - 0^0 + 4^0 - 4^7 + 5^7 & 62167 &:= -6^4 + 2^0 - 1^0 + 6^6 + 7^5 \\
59778 &:= -5^3 + 9^5 - 7^0 + 7^3 + 8^3 & 60452 &:= -6^4 - 0^0 - 4^7 + 5^7 + 2^3 & 62167 &:= -6^4 - 2^0 + 1^0 + 6^6 + 7^5 \\
59779 &:= -5^1 + 9^3 - 7^0 + 7^1 + 9^5 & 60453 &:= -6^4 - 0^0 - 4^7 + 5^7 + 3^2 & 62176 &:= -6^4 + 2^3 + 1^0 + 7^5 + 6^6 \\
59780 &:= -5^3 + 9^5 + 7^3 + 8^3 + 0^0 & 60487 &:= -6^4 + 0^1 + 4^8 - 8^4 + 7^3 & 62245 &:= -6^1 - 2^1 + 2^9 - 4^7 + 5^7 \\
59792 &:= -5^2 + 9^3 + 7^1 + 9^5 + 2^5 & 60494 &:= -6^3 - 0^0 - 4^6 - 9^3 + 4^8 & 62248 &:= -6^3 + 2^9 + 2^9 + 4^8 - 8^4 \\
59793 &:= -5^1 + 9^3 - 7^1 + 9^5 + 3^3 & 60845 &:= -6^7 + 0^1 + 8^3 + 4^9 + 5^7 & 62264 &:= -6^4 + 2^3 + 2^9 + 6^6 + 4^7 \\
59796 &:= -5^2 + 9^3 + 7^1 + 9^5 + 6^2 & 60885 &:= -6^5 + 0^1 + 8^5 + 8^5 + 5^5 & 62265 &:= -6^1 - 2^1 - 2^3 + 6^6 + 5^6 \\
59798 &:= -5^2 - 9^2 + 7^3 + 9^5 + 8^3 & 60939 &:= -6^3 + 0^1 - 9^2 + 3^7 + 9^5 & 62289 &:= -6^3 - 2^7 - 2^9 + 8^4 + 9^5 \\
59824 &:= -5^2 + 9^5 + 8^3 + 2^5 + 4^4 & 60943 &:= -6^2 - 0^0 + 9^5 - 4^4 + 3^7 & 62295 &:= -6^1 - 2^0 + 2^7 + 9^5 + 5^5 \\
59827 &:= -5^5 - 9^5 + 8^4 + 2^8 + 7^6 & 60959 &:= -6^4 + 0^1 + 9^2 + 5^5 + 9^5 & 62347 &:= -6^5 - 2^0 + 3^7 + 4^8 + 7^4 \\
59829 &:= -5^1 + 9^3 - 8^1 + 2^6 + 9^5 & 60965 &:= -6^1 + 0^0 + 9^5 + 6^4 + 5^4 & 62354 &:= -6^3 + 2^5 - 3^9 + 5^7 + 4^6 \\
59833 &:= -5^2 + 9^5 - 8^0 + 3^4 + 3^6 & 61239 &:= -6^1 + 1^0 + 2^3 + 3^7 + 9^5 & 62356 &:= -6^5 + 2^9 - 3^6 + 5^7 - 6^5 \\
59834 &:= -5^6 + 9^5 - 8^0 + 3^3 + 4^7 & 61293 &:= -6^1 - 1^0 + 2^6 + 9^5 + 3^7 & 62373 &:= -6^6 + 2^7 - 3^7 + 7^6 - 3^8 \\
59836 &:= -5^1 + 9^5 + 8^2 + 3^6 - 6^0 & 61297 &:= -6^3 - 1^0 + 2^6 + 9^5 + 7^4 & 62374 &:= -6^1 - 2^9 - 3^5 - 7^4 + 4^8 \\
59838 &:= -5^1 + 9^5 + 8^0 + 3^6 + 8^2 & 61329 &:= -6^2 + 1^0 + 3^7 + 2^7 + 9^5 & 62376 &:= -6^4 + 2^7 + 3^4 + 7^5 + 6^6 \\
59843 &:= -5^2 + 9^5 + 8^3 + 4^3 + 3^5 & 61404 &:= -6^2 - 1^0 - 4^6 + 0^0 + 4^8 & 62394 &:= -6^1 - 2^4 - 3^6 + 9^5 + 4^6 \\
59878 &:= -5^2 + 9^5 - 8^0 + 7^3 + 8^3 & 61434 &:= -6^1 - 1^0 - 4^6 + 3^0 + 4^8 & 62395 &:= -6^1 - 2^4 + 3^5 + 9^5 + 5^5 \\
59884 &:= -5^3 + 9^5 + 8^3 + 8^3 - 4^3 & 61438 &:= -6^1 + 1^0 + 4^8 + 3^1 - 8^4 & 62405 &:= -6^1 - 2^0 + 4^8 + 0^0 - 5^5 \\
59887 &:= -5^2 + 9^5 + 8^1 + 8^3 + 7^3 & 61457 &:= -6^4 - 1^0 + 4^8 - 5^5 + 7^3 & 62407 &:= -6^3 - 2^9 + 4^8 + 0^1 - 7^4 \\
59902 &:= -5^1 + 9^3 + 9^5 + 0^0 + 2^7 & 61458 &:= -6^1 - 1^0 + 4^8 + 5^2 - 8^4 & 62425 &:= -6^1 + 2^2 + 4^8 + 2^4 - 5^5 \\
59932 &:= -5^2 + 9^3 + 9^5 + 3^5 - 2^6 & 61475 &:= -6^3 - 1^0 - 4^7 - 7^2 + 5^7 & 62428 &:= -6^2 + 2^9 + 4^8 + 2^9 - 8^4 \\
59936 &:= -5^1 + 9^0 + 9^5 + 3^7 - 6^4 & 61479 &:= -6^2 + 1^0 + 4^3 + 7^4 + 9^5 & 62435 &:= -6^2 + 2^0 - 4^7 + 3^6 + 5^7 \\
59937 &:= -5^7 + 9^0 + 9^3 + 3^9 + 7^6 & 61746 &:= -6^4 + 1^0 + 7^0 + 4^7 + 6^6 & 62444 &:= -6^2 + 2^4 + 4^5 + 4^8 - 4^6 \\
59938 &:= -5^5 - 9^0 + 9^5 - 3^4 + 8^4 & 61748 &:= -6^2 + 1^0 + 7^3 + 4^8 - 8^4 & 62448 &:= -6^4 - 2^8 - 4^5 + 4^8 - 8^3 \\
59940 &:= -5^3 - 9^1 + 9^5 + 4^5 + 0^0 & 61839 &:= -6^4 - 1^0 + 8^4 - 3^2 + 9^5 & 62449 &:= -6^5 + 2^9 + 4^6 + 4^8 + 9^2 \\
59946 &:= -5^3 - 9^0 + 9^5 + 4^5 - 6^0 & 61849 &:= -6^4 + 1^0 - 8^0 + 4^6 + 9^5 & 62455 &:= -6^2 - 2^3 - 4^0 - 5^6 + 5^7 \\
59948 &:= -5^3 + 9^0 + 9^5 + 4^5 - 8^0 & 61849 &:= -6^4 - 1^0 + 8^0 + 4^6 + 9^5 & 62463 &:= -6^2 + 2^8 - 4^6 + 6^6 + 3^9 \\
59948 &:= -5^3 - 9^0 + 9^5 + 4^5 + 8^0 & 61854 &:= -6^5 - 1^0 + 8^4 - 5^0 + 4^8 & 62467 &:= -6^2 + 2^6 - 4^5 + 6^6 + 7^5 \\
59953 &:= -5^2 - 9^1 + 9^5 + 5^5 - 3^7 & 61895 &:= -6^3 + 1^0 - 8^2 + 9^5 + 5^5 & 62469 &:= -6^4 - 2^2 + 4^7 + 6^6 + 9^3 \\
59954 &:= -5^3 + 9^0 + 9^5 + 5^1 + 4^5 & 61897 &:= -6^4 - 1^0 + 8^4 + 9^5 + 7^2 & 62479 &:= -6^3 - 2^0 + 4^6 + 7^6 - 9^5 \\
59959 &:= -5^2 + 9^2 + 9^3 + 5^3 + 9^5 & 61925 &:= -6^3 - 1^0 + 9^5 - 2^5 + 5^5 & 62485 &:= -6^1 + 2^4 + 4^8 + 8^2 - 5^5 \\
59968 &:= -5^2 + 9^3 + 9^5 + 6^3 - 8^0 & 61927 &:= -6^2 + 1^0 + 9^5 + 2^9 + 7^4 & 62489 &:= -6^4 + 2^7 + 4^6 + 8^3 + 9^5 \\
59974 &:= -5^2 - 9^2 + 9^5 + 7^1 + 4^5 & 61956 &:= -6^3 - 1^0 + 9^5 + 5^5 - 6^0 & 62504 &:= -6^2 + 2^7 - 5^5 + 0^0 + 4^8 \\
59976 &:= -5^2 - 9^0 + 9^5 - 7^3 + 6^4 & 61958 &:= -6^3 + 1^0 + 9^5 + 5^5 - 8^0 & 62525 &:= -6^1 - 2^0 - 5^6 + 2^5 + 5^7 \\
59997 &:= -5^3 + 9^0 + 9^3 + 9^5 + 7^3 & 61958 &:= -6^3 - 1^0 + 9^5 + 5^5 + 8^0 & 62534 &:= -6^1 + 2^7 - 5^5 + 3^0 + 4^8 \\
60144 &:= -6^4 - 0^0 + 1^0 - 4^6 + 4^8 & 61965 &:= -6^3 + 1^0 + 9^5 + 6^1 + 5^5 & 62535 &:= -6^1 + 2^5 - 5^6 + 3^2 + 5^7 \\
60294 &:= -6^2 + 0^0 + 2^8 + 9^5 + 4^5 & 62056 &:= -6^3 - 2^3 - 0^0 + 5^6 + 6^6 & 62536 &:= -6^5 - 2^6 + 5^7 + 3^3 - 6^5 \\
60395 &:= -6^3 + 0^1 + 3^7 + 9^5 - 5^4 & 62065 &:= -6^3 + 2^0 - 0^0 + 6^6 + 5^6 & 62539 &:= -6^1 + 2^7 + 5^5 + 3^5 + 9^5 \\
60397 &:= -6^4 + 0^1 + 3^5 + 9^5 + 7^4 & 62065 &:= -6^3 - 2^0 + 0^0 + 6^6 + 5^6 & 62553 &:= -6^1 + 2^5 - 5^6 + 5^7 + 3^3 \\
60435 &:= -6^4 - 0^0 - 4^7 - 3^2 + 5^7 & 62155 &:= -6^3 - 2^7 - 1^0 - 5^6 + 5^7 & 62554 &:= -6^1 - 2^2 - 5^6 + 5^7 + 4^3 \\
60445 &:= -6^4 - 0^0 + 4^0 - 4^7 + 5^7 & 62159 &:= -6^1 - 2^3 - 1^0 + 5^5 + 9^5 & 62555 &:= -6^1 - 2^6 + 5^3 - 5^6 + 5^7
\end{aligned}$$

$62556 := -6^1 + 2^8 + 5^2 + 5^6 + 6^6$	$62864 := -6^3 + 2^5 + 8^1 + 6^6 + 4^7$	$63274 := -6^2 - 3^4 + 2^8 - 7^4 + 4^8$
$62557 := -6^1 + 2^6 - 5^6 + 5^7 - 7^0$	$62867 := -6^1 + 2^8 + 8^5 + 6^6 - 7^5$	$63275 := -6^5 - 3^8 - 2^9 - 7^0 + 5^7$
$62558 := -6^1 + 2^7 - 5^6 + 5^7 - 8^2$	$62874 := -6^1 - 2^8 + 8^0 - 7^4 + 4^8$	$63276 := -6^3 - 3^1 + 2^5 + 7^5 + 6^6$
$62559 := -6^1 - 2^4 - 5^6 + 5^7 + 9^2$	$62879 := -6^3 - 2^0 + 8^4 - 7^2 + 9^5$	$63294 := -6^1 + 3^3 + 2^7 + 9^5 + 4^6$
$62563 := -6^5 - 2^0 + 5^7 - 6^5 - 3^2$	$62887 := -6^3 - 2^5 + 8^5 + 8^5 - 7^4$	$63304 := -6^2 - 3^2 - 3^7 + 0^1 + 4^8$
$62564 := -6^5 - 2^3 + 5^7 - 6^5 - 4^0$	$62889 := -6^3 - 2^5 - 8^1 + 8^4 + 9^5$	$63324 := -6^1 - 3^1 - 3^7 - 2^4 + 4^8$
$62566 := -6^1 - 2^0 + 5^7 - 6^5 - 6^5$	$62896 := -6^3 - 2^5 + 8^4 + 9^5 - 6^0$	$63329 := -6^4 - 3^6 + 3^8 - 2^8 + 9^5$
$62568 := -6^5 - 2^2 + 5^7 - 6^5 - 8^0$	$62898 := -6^3 - 2^5 + 8^0 + 9^5 + 8^4$	$63340 := -6^1 - 3^1 - 3^7 + 4^8 + 0^1$
$62575 := -6^1 + 2^5 - 5^6 + 7^2 + 5^7$	$62914 := -6^3 - 2^4 + 9^5 + 1^0 + 4^6$	$63341 := -6^1 - 3^0 - 3^7 + 4^8 - 1^0$
$62576 := -6^1 - 2^5 + 5^7 - 7^5 + 6^4$	$62924 := -6^3 - 2^0 + 9^5 - 2^2 + 4^6$	$63342 := -6^1 + 3^0 - 3^7 + 4^8 - 2^1$
$62595 := -6^3 + 2^9 + 5^3 + 9^5 + 5^5$	$62928 := -6^3 - 2^1 + 9^5 + 2^0 + 8^4$	$63343 := -6^1 - 3^0 + 3^0 + 4^8 - 3^7$
$62598 := -6^2 - 2^9 + 5^0 + 9^5 + 8^4$	$62934 := -6^2 - 2^8 + 9^5 + 3^4 + 4^6$	$63344 := -6^1 - 3^1 - 3^7 + 4^1 + 4^8$
$62599 := -6^1 + 2^9 + 5^5 + 9^5 - 9^2$	$62938 := -6^3 + 2^3 + 9^5 + 3^0 + 8^4$	$63345 := -6^1 + 3^0 - 3^7 + 4^8 + 5^0$
$62605 := -6^5 + 2^5 - 6^5 + 0^1 + 5^7$	$62944 := -6^3 - 2^0 + 9^5 + 4^2 + 4^6$	$63346 := -6^1 - 3^1 - 3^7 + 4^8 + 6^1$
$62624 := -6^4 - 2^6 - 6^4 - 2^8 + 4^8$	$62946 := -6^3 + 2^4 + 9^5 + 4^6 + 6^0$	$63347 := -6^1 + 3^1 - 3^7 + 4^8 + 7^0$
$62643 := -6^5 - 2^4 + 6^6 + 4^6 + 3^9$	$62958 := -6^3 + 2^2 + 9^5 + 5^2 + 8^4$	$63348 := -6^1 - 3^1 - 3^7 + 4^8 + 8^1$
$62645 := -6^5 + 2^3 - 6^5 + 4^3 + 5^7$	$62964 := -6^3 - 2^0 + 9^5 + 6^2 + 4^6$	$63349 := -6^1 - 3^1 - 3^7 + 4^8 + 9^1$
$62647 := -6^3 - 2^7 + 6^6 + 4^7 - 7^2$	$62974 := -6^2 - 2^7 + 9^5 - 7^1 + 4^6$	$63364 := -6^1 - 3^7 + 3^3 - 6^1 + 4^8$
$62648 := -6^3 + 2^7 + 6^4 + 4^8 - 8^4$	$62980 := -6^2 - 2^7 + 9^5 + 8^4 - 0^0$	$63367 := -6^1 - 3^2 - 3^4 + 6^6 + 7^5$
$62649 := -6^3 - 2^6 - 6^3 + 4^6 + 9^5$	$62982 := -6^2 + 2^0 + 9^5 + 8^4 - 2^7$	$63368 := -6^4 - 3^7 + 3^9 + 6^6 + 8^3$
$62653 := -6^5 - 2^0 - 6^5 + 5^7 + 3^4$	$62985 := -6^2 + 2^0 + 9^5 + 8^4 - 5^3$	$63369 := -6^3 - 3^6 + 3^8 - 6^4 + 9^5$
$62664 := -6^3 - 2^6 - 6^4 - 6^4 + 4^8$	$62994 := -6^1 - 2^6 - 9^2 + 9^5 + 4^6$	$63384 := -6^3 - 3^3 + 3^7 - 8^4 + 4^8$
$62678 := -6^4 - 2^0 + 6^6 + 7^5 + 8^3$	$62995 := -6^2 + 2^7 + 9^3 + 9^5 + 5^5$	$63407 := -6^6 - 3^8 - 4^5 - 0^0 + 7^6$
$62684 := -6^2 - 2^4 + 6^4 - 8^4 + 4^8$	$62997 := -6^3 + 2^2 + 9^4 + 9^5 - 7^4$	$63408 := -6^1 - 3^7 + 4^8 + 0^0 + 8^2$
$62685 := -6^4 - 2^8 - 6^6 + 8^5 + 5^7$	$63047 := -6^1 - 3^4 - 0^0 + 4^8 - 7^4$	$63423 := -6^1 - 3^7 + 4^8 - 2^0 + 3^4$
$62687 := -6^4 + 2^3 + 6^6 + 8^3 + 7^5$	$63059 := -6^5 - 3^6 + 0^1 + 5^7 - 9^4$	$63429 := -6^4 - 3^4 + 4^8 - 2^0 - 9^3$
$62688 := -6^4 - 2^8 - 6^4 + 8^5 + 8^5$	$63124 := -6^3 - 3^7 - 1^0 - 2^3 + 4^8$	$63430 := -6^4 - 3^4 + 4^8 - 3^6 + 0^1$
$62689 := -6^2 - 2^2 + 6^5 - 8^4 + 9^5$	$63142 := -6^3 - 3^7 + 1^0 + 4^8 + 2^3$	$63431 := -6^4 - 3^4 + 4^8 - 3^6 + 1^0$
$62694 := -6^2 + 2^0 + 6^5 + 9^5 - 4^6$	$63143 := -6^3 + 3^2 + 1^0 + 4^8 - 3^7$	$63432 := -6^1 - 3^7 + 4^8 + 3^4 + 2^3$
$62697 := -6^2 - 2^0 + 6^6 - 9^3 + 7^5$	$63149 := -6^1 + 3^2 + 1^0 + 4^6 + 9^5$	$63433 := -6^1 + 3^2 + 4^8 + 3^4 - 3^7$
$62706 := -6^5 - 2^9 + 7^6 + 0^0 - 6^6$	$63167 := -6^3 - 3^4 + 1^0 + 6^6 + 7^5$	$63434 := -6^1 - 3^7 + 4^3 + 3^3 + 4^8$
$62736 := -6^3 - 2^9 + 7^5 + 3^0 + 6^6$	$63189 := -6^2 + 3^4 - 1^0 + 8^4 + 9^5$	$63435 := -6^2 - 3^1 + 4^8 - 3^7 + 5^3$
$62755 := -6^3 + 2^7 + 7^3 + 5^7 - 5^6$	$63214 := -6^1 - 3^7 - 2^7 - 1^0 + 4^8$	$63436 := -6^4 - 3^4 + 4^8 - 3^6 + 6^1$
$62756 := -6^2 + 2^9 - 7^0 + 5^6 + 6^6$	$63234 := -6^2 - 3^4 + 2^1 - 3^7 + 4^8$	$63437 := -6^4 - 3^4 + 4^8 - 3^6 + 7^1$
$62776 := -6^3 - 2^7 - 7^3 + 7^5 + 6^6$	$63239 := -6^3 + 3^7 + 2^5 + 3^7 + 9^5$	$63438 := -6^3 + 3^3 + 4^8 + 3^7 - 8^4$
$62794 := -6^1 - 2^1 - 7^3 + 9^5 + 4^6$	$63244 := -6^4 + 3^3 + 2^0 + 4^8 - 4^5$	$63439 := -6^4 - 3^4 + 4^8 + 3^2 - 9^3$
$62798 := -6^1 + 2^1 - 7^3 + 9^5 + 8^4$	$63246 := -6^2 + 3^5 - 2^0 + 4^7 + 6^6$	$63442 := -6^2 - 3^7 + 4^0 + 4^8 + 2^7$
$62843 := -6^4 + 2^9 - 8^4 + 4^8 + 3^7$	$63248 := -6^2 - 3^7 - 2^0 + 4^8 - 8^2$	$63446 := -6^4 - 3^6 - 4^3 + 4^8 - 6^0$
$62845 := -6^2 - 2^6 - 8^6 - 4^8 + 5^8$	$63254 := -6^1 - 3^7 - 2^6 - 5^2 + 4^8$	$63448 := -6^4 - 3^6 + 4^0 + 4^8 - 8^2$
$62847 := -6^3 - 2^3 - 8^2 + 4^8 - 7^4$	$63255 := -6^1 + 3^6 + 2^5 + 5^7 - 5^6$	$63452 := -6^1 - 3^7 + 4^8 + 5^3 - 2^4$
$62849 := -6^2 - 2^2 + 8^4 - 4^4 + 9^5$	$63257 := -6^3 + 3^7 - 2^5 + 5^7 - 7^5$	$63453 := -6^4 - 3^4 + 4^8 - 5^4 - 3^4$

$63454 := -6^2 - 3^7 + 4^2 + 5^3 + 4^8$	$63569 := -6^3 - 3^1 + 5^7 - 6^5 - 9^4$	$63824 := -6^2 - 3^7 - 8^0 + 2^9 + 4^8$
$63455 := -6^4 + 3^7 + 4^3 + 5^7 - 5^6$	$63584 := -6^5 + 3^7 + 5^5 + 8^3 + 4^8$	$63834 := -6^2 + 3^5 - 8^4 + 3^7 + 4^8$
$63457 := -6^4 - 3^6 + 4^8 - 5^1 - 7^2$	$63585 := -6^6 - 3^3 - 5^4 + 8^5 + 5^7$	$63839 := -6^2 + 3^0 + 8^4 + 3^6 + 9^5$
$63458 := -6^3 + 3^6 - 4^8 + 5^8 - 8^6$	$63586 := -6^3 + 3^1 - 5^6 + 8^5 + 6^6$	$63851 := -6^5 - 3^8 + 8^2 + 5^7 - 1^0$
$63459 := -6^1 - 3^7 + 4^8 + 5^3 - 9^1$	$63588 := -6^4 - 3^3 - 5^4 + 8^5 + 8^5$	$63852 := -6^5 - 3^8 - 8^2 + 5^7 + 2^7$
$63467 := -6^1 + 3^2 + 4^0 + 6^6 + 7^5$	$63589 := -6^6 + 3^4 + 5^7 + 8^5 - 9^3$	$63853 := -6^5 + 3^0 + 8^2 + 5^7 - 3^8$
$63472 := -6^1 - 3^7 + 4^8 + 7^0 + 2^7$	$63634 := -6^3 + 3^4 + 6^6 + 3^6 + 4^7$	$63854 := -6^1 - 3^7 + 8^3 - 5^0 + 4^8$
$63473 := -6^1 + 3^4 + 4^8 + 7^2 - 3^7$	$63647 := -6^3 + 3^6 - 6^0 + 4^8 - 7^4$	$63855 := -6^6 + 3^5 + 8^5 + 5^7 - 5^4$
$63475 := -6^1 - 3^7 + 4^8 + 7^1 + 5^3$	$63648 := -6^4 - 3^4 + 6^0 + 4^8 - 8^3$	$63869 := -6^1 + 3^6 + 8^4 + 6^0 + 9^5$
$63476 := -6^1 + 3^1 + 4^2 + 7^5 + 6^6$	$63653 := -6^3 + 3^4 - 6^5 + 5^7 - 3^8$	$63874 := -6^2 - 3^7 + 8^3 + 7^2 + 4^8$
$63477 := -6^3 - 3^7 + 4^8 + 7^0 + 7^3$	$63654 := -6^2 - 3^7 + 6^3 + 5^3 + 4^8$	$63875 := -6^4 - 3^5 + 8^4 - 7^5 + 5^7$
$63478 := -6^4 - 3^5 + 4^8 - 7^1 - 8^3$	$63670 := -6^2 + 3^5 + 6^6 + 7^5 + 0^1$	$63876 := -6^2 + 3^8 + 8^5 + 7^5 + 6^5$
$63479 := -6^1 - 3^1 + 4^6 + 7^3 + 9^5$	$63671 := -6^2 + 3^5 + 6^6 + 7^5 + 1^0$	$63879 := -6^2 + 3^8 - 8^4 + 7^4 + 9^5$
$63483 := -6^4 - 3^3 + 4^8 - 8^0 - 3^6$	$63672 := -6^2 + 3^5 + 6^6 + 7^5 + 2^1$	$63894 := -6^1 + 3^5 + 8^3 + 9^5 + 4^6$
$63484 := -6^4 - 3^5 - 4^0 - 8^3 + 4^8$	$63673 := -6^1 - 3^3 + 6^6 + 7^5 + 3^5$	$63899 := -6^2 - 3^7 + 8^3 + 9^4 + 9^5$
$63485 := -6^4 - 3^6 + 4^8 - 8^0 - 5^2$	$63674 := -6^2 - 3^2 + 6^6 + 7^5 + 4^4$	$63924 := -6^4 - 3^5 - 9^1 - 2^6 + 4^8$
$63486 := -6^4 - 3^5 + 4^8 - 8^3 + 6^0$	$63675 := -6^1 + 3^5 + 6^6 + 7^5 - 5^2$	$63925 := -6^5 + 3^2 - 9^4 + 2^7 + 5^7$
$63492 := -6^4 - 3^1 + 4^8 - 9^3 - 2^4$	$63676 := -6^1 + 3^1 + 6^3 + 7^5 + 6^6$	$63929 := -6^1 - 3^7 + 9^4 + 2^9 + 9^5$
$63493 := -6^4 - 3^2 + 4^8 - 9^1 - 3^6$	$63677 := -6^2 + 3^5 + 6^6 + 7^1 + 7^5$	$63942 := -6^4 - 3^4 - 9^3 + 4^8 + 2^9$
$63494 := -6^4 - 3^0 - 4^2 - 9^3 + 4^8$	$63678 := -6^2 + 3^5 + 6^6 + 7^5 + 8^1$	$63943 := -6^3 + 3^4 - 9^3 + 4^8 - 3^6$
$63495 := -6^4 - 3^6 + 4^8 + 9^1 - 5^2$	$63679 := -6^2 + 3^5 + 6^6 + 7^5 + 9^1$	$63944 := -6^3 - 3^2 + 9^5 + 4^5 + 4^6$
$63496 := -6^1 - 3^2 + 4^8 - 9^3 - 6^4$	$63692 := -6^5 + 3^9 - 6^5 + 9^5 + 2^9$	$63945 := -6^4 + 3^8 + 9^5 + 4^4 - 5^4$
$63497 := -6^5 - 3^8 + 4^7 + 9^5 + 7^4$	$63693 := -6^3 - 3^6 + 6^5 + 9^5 - 3^7$	$63946 := -6^3 + 3^1 - 9^2 + 4^8 - 6^4$
$63499 := -6^4 - 3^1 + 4^8 - 9^1 - 9^3$	$63694 := -6^3 + 3^6 + 6^2 + 9^5 + 4^6$	$63947 := -6^4 - 3^5 - 9^0 + 4^8 - 7^2$
$63508 := -6^6 - 3^6 + 5^7 + 0^1 + 8^5$	$63695 := -6^1 + 3^0 + 6^5 + 9^5 - 5^5$	$63949 := -6^1 + 3^4 + 9^3 + 4^6 + 9^5$
$63523 := -6^5 - 3^2 + 5^7 - 2^8 - 3^8$	$63697 := -6^1 - 3^6 - 6^6 - 9^4 + 7^6$	$63967 := -6^3 - 3^2 + 9^3 + 6^6 + 7^5$
$63524 := -6^4 - 3^3 - 5^4 - 2^6 + 4^8$	$63703 := -6^6 - 3^6 + 7^6 + 0^1 - 3^8$	$63985 := -6^4 - 3^7 - 9^4 - 8^4 + 5^7$
$63525 := -6^3 + 3^6 - 5^6 + 2^9 + 5^7$	$63724 := -6^4 - 3^1 - 7^0 - 2^9 + 4^8$	$63987 := -6^4 + 3^7 + 9^5 + 8^4 - 7^2$
$63526 := -6^1 - 3^8 + 5^7 - 2^8 - 6^5$	$63725 := -6^2 + 3^7 - 7^5 + 2^8 + 5^7$	$63988 := -6^4 - 3^5 - 9^1 + 8^5 + 8^5$
$63529 := -6^5 - 3^1 + 5^7 - 2^8 - 9^4$	$63726 := -6^1 - 3^5 + 7^5 + 2^9 + 6^6$	$64023 := -6^4 + 4^8 + 0^1 + 2^9 - 3^6$
$63542 := -6^4 - 3^2 - 5^4 + 4^8 - 2^6$	$63729 := -6^2 + 3^7 + 7^4 + 2^7 + 9^5$	$64026 := -6^3 + 4^8 + 0^0 + 2^0 - 6^4$
$63543 := -6^4 + 3^2 - 5^4 + 4^8 - 3^4$	$63742 := -6^4 - 3^3 - 7^3 + 4^8 - 2^7$	$64043 := -6^5 + 4^6 + 0^1 + 4^8 + 3^7$
$63544 := -6^2 - 3^7 - 5^2 + 4^4 + 4^8$	$63745 := -6^1 - 3^2 - 7^4 + 4^8 + 5^4$	$64048 := -6^4 - 4^4 + 0^1 + 4^8 + 8^2$
$63545 := -6^1 + 3^3 - 5^6 + 4^5 + 5^7$	$63746 := -6^3 + 3^5 + 7^5 + 4^4 + 6^6$	$64072 := -6^4 + 4^8 + 0^0 + 7^3 - 2^9$
$63546 := -6^4 - 3^6 - 5^0 + 4^8 + 6^2$	$63748 := -6^4 + 3^3 - 7^1 + 4^8 - 8^3$	$64094 := -6^4 - 4^3 - 0^0 - 9^2 + 4^8$
$63547 := -6^3 + 3^1 + 5^4 + 4^8 - 7^4$	$63762 := -6^3 + 3^1 + 7^5 + 6^6 + 2^9$	$64112 := -6^4 + 4^8 - 1^0 + 1^0 - 2^7$
$63548 := -6^4 - 3^1 - 5^4 + 4^8 - 8^2$	$63764 := -6^1 + 3^5 + 7^5 + 6^6 + 4^3$	$64115 := -6^4 + 4^8 - 1^0 + 1^0 - 5^3$
$63549 := -6^1 - 3^7 + 5^3 + 4^8 + 9^2$	$63767 := -6^2 - 3^1 + 7^3 + 6^6 + 7^5$	$64159 := -6^4 + 4^8 - 1^0 + 5^0 - 9^2$
$63563 := -6^3 - 3^2 + 5^7 - 6^5 - 3^8$	$63768 := -6^3 + 3^2 + 7^5 + 6^6 + 8^3$	$64174 := -6^4 - 4^2 - 1^0 - 7^2 + 4^8$
$63564 := -6^1 - 3^7 + 5^1 + 6^3 + 4^8$	$63786 := -6^3 + 3^3 + 7^5 + 8^3 + 6^6$	$64178 := -6^4 + 4^8 + 1^0 + 7^0 - 8^2$
$63566 := -6^1 - 3^8 + 5^7 - 6^3 - 6^5$	$63789 := -6^2 + 3^6 - 7^2 + 8^4 + 9^5$	$64192 := -6^4 + 4^8 - 1^0 + 9^2 - 2^7$

$$\begin{aligned}
64195 &:= -6^4 + 4^8 - 1^0 + 9^2 - 5^3 & 64257 &:= -6^4 + 4^8 - 2^0 + 5^2 - 7^1 & 64317 &:= -6^4 + 4^8 + 3^3 + 1^0 + 7^2 \\
64203 &:= -6^4 + 4^8 - 2^6 + 0^1 + 3^3 & 64258 &:= -6^4 + 4^8 + 2^0 + 5^2 - 8^1 & 64319 &:= -6^4 + 4^1 + 3^8 + 1^0 + 9^5 \\
64204 &:= -6^4 - 4^1 - 2^5 + 0^1 + 4^8 & 64260 &:= -6^4 + 4^8 - 2^4 + 6^2 + 0^1 & 64321 &:= -6^4 + 4^8 + 3^4 + 2^0 - 1^0 \\
64206 &:= -6^2 + 4^8 + 2^0 + 0^0 - 6^4 & 64261 &:= -6^4 + 4^8 + 2^4 + 6^1 - 1^0 & 64322 &:= -6^4 + 4^8 + 3^4 + 2^1 - 2^0 \\
64207 &:= -6^4 + 4^8 + 2^4 + 0^1 - 7^2 & 64262 &:= -6^4 + 4^8 + 2^1 + 6^2 - 2^4 & 64323 &:= -6^4 + 4^8 + 3^0 + 2^0 + 3^4 \\
64208 &:= -6^4 + 4^8 - 2^5 + 0^0 - 8^0 & 64263 &:= -6^4 + 4^8 - 2^2 + 6^2 - 3^2 & 64324 &:= -6^3 - 4^5 + 3^3 + 2^0 + 4^8 \\
64209 &:= -6^4 + 4^8 - 2^5 + 0^1 + 9^0 & 64264 &:= -6^2 - 4^1 + 2^6 - 6^4 + 4^8 & 64326 &:= -6^4 + 4^8 + 3^4 + 2^2 + 6^0 \\
64210 &:= -6^4 + 4^8 - 2^5 + 1^0 + 0^0 & 64265 &:= -6^4 + 4^8 - 2^0 + 6^0 + 5^2 & 64328 &:= -6^4 + 4^8 + 3^4 + 2^3 - 8^0 \\
64213 &:= -6^4 + 4^8 - 2^0 + 1^0 - 3^3 & 64266 &:= -6^1 + 4^7 - 2^6 + 6^4 + 6^6 & 64329 &:= -6^4 - 4^0 + 3^8 + 2^4 + 9^5 \\
64215 &:= -6^4 + 4^8 - 2^0 + 1^0 - 5^2 & 64267 &:= -6^2 + 4^8 - 2^7 + 6^4 - 7^4 & 64330 &:= -6^4 + 4^8 + 3^2 + 3^4 + 0^1 \\
64222 &:= -6^4 + 4^8 - 2^1 + 2^4 - 2^5 & 64268 &:= -6^4 + 4^8 - 2^4 + 6^2 + 8^1 & 64331 &:= -6^4 + 4^8 + 3^2 + 3^4 + 1^0 \\
64223 &:= -6^4 + 4^8 + 2^1 + 2^3 - 3^3 & 64269 &:= -6^4 + 4^8 + 2^1 + 6^2 - 9^1 & 64332 &:= -6^4 + 4^8 + 3^0 + 3^3 + 2^6 \\
64224 &:= -6^2 - 4^5 + 2^2 - 2^8 + 4^8 & 64272 &:= -6^4 + 4^8 - 2^0 + 7^0 + 2^5 & 64333 &:= -6^4 + 4^8 + 3^1 + 3^2 + 3^4 \\
64225 &:= -6^4 + 4^8 + 2^1 + 2^3 - 5^2 & 64273 &:= -6^4 + 4^8 - 2^0 + 7^1 + 3^3 & 64334 &:= -6^3 - 4^4 - 3^0 - 3^6 + 4^8 \\
64226 &:= -6^1 + 4^8 - 2^4 + 2^3 - 6^4 & 64274 &:= -6^4 + 4^0 - 2^4 + 7^2 + 4^8 & 64335 &:= -6^4 + 4^8 + 3^2 + 3^4 + 5^1 \\
64227 &:= -6^4 + 4^8 + 2^2 + 2^5 - 7^2 & 64276 &:= -6^4 + 4^8 - 2^0 + 7^0 + 6^2 & 64336 &:= -6^4 + 4^8 + 3^2 + 3^4 + 6^1 \\
64228 &:= -6^4 + 4^8 - 2^3 + 2^2 - 8^1 & 64278 &:= -6^4 + 4^8 + 2^5 + 7^1 - 8^0 & 64337 &:= -6^4 + 4^8 + 3^2 + 3^4 + 7^1 \\
64229 &:= -6^4 + 4^8 - 2^2 + 2^1 - 9^1 & 64279 &:= -6^4 + 4^8 - 2^0 + 7^2 - 9^1 & 64338 &:= -6^4 + 4^8 + 3^2 + 3^4 + 8^1 \\
64232 &:= -6^4 + 4^8 - 2^0 + 3^0 - 2^3 & 64280 &:= -6^4 + 4^8 + 2^5 + 8^1 + 0^1 & 64339 &:= -6^4 + 4^2 + 3^2 + 3^8 + 9^5 \\
64233 &:= -6^4 + 4^8 + 2^0 + 3^0 - 3^2 & 64281 &:= -6^4 + 4^8 + 2^5 + 8^1 + 1^0 & 64342 &:= -6^4 + 4^0 - 3^3 + 4^8 + 2^7 \\
64234 &:= -6^2 - 4^5 + 2^0 - 3^5 + 4^8 & 64282 &:= -6^4 + 4^8 + 2^1 + 8^1 + 2^5 & 64345 &:= -6^4 - 4^0 + 3^4 + 4^8 + 5^2 \\
64235 &:= -6^4 + 4^8 - 2^0 + 3^0 - 5^1 & 64283 &:= -6^4 + 4^8 + 2^3 + 8^1 + 3^3 & 64349 &:= -6^3 + 4^0 - 3^5 + 4^8 - 9^3 \\
64236 &:= -6^1 + 4^8 + 2^0 + 3^0 - 6^4 & 64284 &:= -6^2 - 4^5 - 2^7 - 8^2 + 4^8 & 64352 &:= -6^4 + 4^8 - 3^0 + 5^4 - 2^9 \\
64237 &:= -6^4 + 4^8 + 2^0 + 3^1 - 7^1 & 64285 &:= -6^4 - 4^7 - 2^8 + 8^4 + 5^7 & 64353 &:= -6^3 + 4^8 - 3^5 + 5^1 - 3^6 \\
64238 &:= -6^4 + 4^8 - 2^1 + 3^0 - 8^0 & 64286 &:= -6^4 + 4^8 + 2^1 + 8^1 + 6^2 & 64354 &:= -6^1 - 4^5 - 3^3 - 5^3 + 4^8 \\
64239 &:= -6^4 + 4^8 - 2^0 + 3^0 - 9^0 & 64287 &:= -6^4 + 4^8 - 2^4 + 8^2 - 7^0 & 64355 &:= -6^4 + 4^8 - 3^2 + 5^3 - 5^0 \\
64240 &:= -6^4 - 4^0 + 2^0 + 4^8 + 0^1 & 64288 &:= -6^3 - 4^5 - 2^3 + 8^5 + 8^5 & 64356 &:= -6^1 + 4^8 - 3^1 + 5^3 - 6^4 \\
64241 &:= -6^4 - 4^0 + 2^0 + 4^8 + 1^0 & 64289 &:= -6^4 + 4^8 - 2^4 + 8^2 + 9^0 & 64357 &:= -6^1 + 4^8 + 3^2 + 5^6 - 7^5 \\
64242 &:= -6^1 - 4^5 - 2^3 + 4^8 - 2^8 & 64290 &:= -6^4 + 4^8 - 2^5 + 9^2 + 0^0 & 64358 &:= -6^3 + 4^8 + 3^2 + 5^5 - 8^4 \\
64243 &:= -6^2 - 4^2 - 2^9 + 4^8 - 3^6 & 64293 &:= -6^4 + 4^8 - 2^0 + 9^2 - 3^3 & 64359 &:= -6^1 + 4^1 + 3^7 + 5^5 + 9^5 \\
64244 &:= -6^4 - 4^0 + 2^0 + 4^1 + 4^8 & 64294 &:= -6^3 - 4^5 - 2^0 - 9^0 + 4^8 & 64365 &:= -6^4 + 4^8 - 3^0 + 6^0 + 5^3 \\
64245 &:= -6^1 - 4^5 - 2^8 + 4^8 - 5^1 & 64295 &:= -6^4 + 4^8 - 2^0 + 9^2 - 5^2 & 64367 &:= -6^6 - 4^3 - 3^8 - 6^0 + 7^6 \\
64246 &:= -6^1 + 4^1 + 2^3 + 4^8 - 6^4 & 64297 &:= -6^4 + 4^8 - 2^0 + 9^1 + 7^2 & 64369 &:= -6^3 - 4^5 + 3^8 - 6^0 + 9^5 \\
64247 &:= -6^4 - 4^0 + 2^0 + 4^8 + 7^1 & 64299 &:= -6^4 + 4^0 - 2^4 + 9^4 + 9^5 & 64370 &:= -6^4 + 4^8 + 3^4 + 7^2 + 0^1 \\
64248 &:= -6^3 - 4^5 + 2^4 + 4^8 - 8^2 & 64302 &:= -6^4 + 4^8 - 3^1 + 0^0 + 2^6 & 64371 &:= -6^4 + 4^8 + 3^4 + 7^2 + 1^0 \\
64249 &:= -6^1 - 4^5 - 2^8 + 4^8 - 9^0 & 64304 &:= -6^3 - 4^5 + 3^2 - 0^0 + 4^8 & 64372 &:= -6^4 + 4^8 + 3^1 + 7^0 + 2^7 \\
64250 &:= -6^4 + 4^8 + 2^2 + 5^1 + 0^0 & 64308 &:= -6^4 + 4^8 + 3^1 + 0^0 + 8^2 & 64373 &:= -6^4 + 4^8 + 3^1 + 7^2 + 3^4 \\
64252 &:= -6^4 + 4^8 - 2^0 + 5^1 + 2^3 & 64309 &:= -6^4 - 4^1 + 3^8 - 0^0 + 9^5 & 64374 &:= -6^1 + 4^5 - 3^7 + 7^1 + 4^8 \\
64253 &:= -6^4 + 4^8 - 2^0 + 5^1 + 3^2 & 64313 &:= -6^4 + 4^8 - 3^2 + 1^0 + 3^4 & 64375 &:= -6^4 + 4^8 + 3^1 + 7^1 + 5^3 \\
64254 &:= -6^4 + 4^0 + 2^3 + 5^1 + 4^8 & 64314 &:= -6^4 + 4^3 + 3^2 + 1^0 + 4^8 & 64376 &:= -6^3 + 4^8 + 3^2 + 7^3 - 6^4 \\
64256 &:= -6^4 + 4^8 - 2^3 + 5^2 - 6^0 & 64316 &:= -6^1 + 4^8 + 3^4 + 1^0 - 6^4 & 64377 &:= -6^4 + 4^8 + 3^4 + 7^1 + 7^2
\end{aligned}$$

$$\begin{aligned}
64378 &:= -6^4 + 4^8 + 3^4 + 7^2 + 8^1 & 64476 &:= -6^2 - 4^5 + 4^8 + 7^0 - 6^0 & 64597 &:= -6^3 + 4^8 - 5^5 + 9^0 + 7^4 \\
64379 &:= -6^4 + 4^2 + 3^8 + 7^2 + 9^5 & 64476 &:= -6^2 - 4^5 + 4^8 - 7^0 + 6^0 & 64599 &:= -6^3 + 4^8 - 5^0 + 9^1 - 9^3 \\
64384 &:= -6^4 - 4^0 + 3^4 + 8^2 + 4^8 & 64478 &:= -6^2 - 4^5 + 4^8 + 7^0 + 8^0 & 64627 &:= -6^4 + 4^8 + 6^2 + 2^3 + 7^3 \\
64386 &:= -6^4 + 4^8 + 3^4 + 8^2 + 6^0 & 64482 &:= -6^1 - 4^5 + 4^8 - 8^1 - 2^4 & 64629 &:= -6^3 + 4^8 + 6^1 + 2^5 - 9^3 \\
64393 &:= -6^4 + 4^8 - 3^2 + 9^2 + 3^4 & 64483 &:= -6^2 - 4^5 + 4^8 + 8^1 - 3^0 & 64643 &:= -6^1 + 4^1 + 6^4 + 4^8 - 3^7 \\
64394 &:= -6^2 - 4^5 - 3^0 - 9^2 + 4^8 & 64484 &:= -6^2 - 4^5 + 4^2 - 8^1 + 4^8 & 64645 &:= -6^3 - 4^1 - 6^4 + 4^8 + 5^4 \\
64395 &:= -6^3 - 4^5 + 3^8 + 9^5 + 5^2 & 64485 &:= -6^2 - 4^4 + 4^7 + 8^5 + 5^6 & 64648 &:= -6^4 + 4^4 + 6^3 + 4^8 - 8^2 \\
64396 &:= -6^1 + 4^8 + 3^4 + 9^2 - 6^4 & 64487 &:= -6^7 - 4^3 + 4^8 + 8^6 + 7^5 & 64649 &:= -6^1 + 4^3 - 6^3 + 4^8 - 9^3 \\
64397 &:= -6^4 + 4^8 + 3^3 + 9^2 + 7^2 & 64488 &:= -6^3 - 4^4 + 4^8 - 8^2 - 8^3 & 64650 &:= -6^3 + 4^8 - 6^4 + 5^4 + 0^0 \\
64399 &:= -6^4 + 4^1 + 3^4 + 9^4 + 9^5 & 64489 &:= -6^1 - 4^5 + 4^8 - 8^1 - 9^1 & 64663 &:= -6^2 + 4^8 - 6^4 + 6^3 + 3^5 \\
64422 &:= -6^3 - 4^5 + 4^8 - 2^1 + 2^7 & 64493 &:= -6^4 + 4^0 + 4^8 + 9^1 + 3^5 & 64665 &:= -6^2 + 4^8 - 6^3 + 6^1 - 5^4 \\
64423 &:= -6^1 - 4^5 + 4^8 - 2^1 - 3^4 & 64494 &:= -6^4 - 4^0 + 4^4 - 9^0 + 4^8 & 64666 &:= -6^1 + 4^8 + 6^3 + 6^3 - 6^4 \\
64424 &:= -6^3 + 4^3 - 4^5 + 2^6 + 4^8 & 64496 &:= -6^1 - 4^5 + 4^8 - 9^1 - 6^0 & 64667 &:= -6^2 + 4^5 + 6^3 + 6^6 + 7^5 \\
64425 &:= -6^3 - 4^5 + 4^8 + 2^2 + 5^3 & 64498 &:= -6^1 - 4^5 + 4^8 - 9^1 + 8^0 & 64668 &:= -6^2 + 4^4 + 6^6 + 6^7 - 8^6 \\
64426 &:= -6^1 + 4^3 + 4^8 + 2^7 - 6^4 & 64502 &:= -6^4 + 4^8 + 5^1 + 0^0 + 2^8 & 64675 &:= -6^1 - 4^0 + 6^6 + 7^4 + 5^6 \\
64427 &:= -6^1 - 4^5 + 4^8 - 2^7 + 7^2 & 64504 &:= -6^1 - 4^5 - 5^0 - 0^0 + 4^8 & 64682 &:= -6^1 + 4^8 - 6^4 + 8^3 - 2^6 \\
64428 &:= -6^2 - 4^5 + 4^8 + 2^4 - 8^2 & 64520 &:= -6^4 + 4^8 + 5^2 + 2^8 - 0^0 & 64684 &:= -6^2 - 4^5 + 6^3 - 8^1 + 4^8 \\
64429 &:= -6^1 - 4^5 + 4^8 + 2^2 - 9^2 & 64522 &:= -6^4 + 4^8 + 5^2 + 2^0 + 2^8 & 64695 &:= -6^3 + 4^8 - 6^0 + 9^0 - 5^4 \\
64441 &:= -6^1 - 4^3 - 4^5 + 4^8 - 1^0 & 64533 &:= -6^3 + 4^8 - 5^4 + 3^4 - 3^5 & 64712 &:= -6^4 + 4^8 + 7^3 + 1^0 + 2^7 \\
64442 &:= -6^1 + 4^3 - 4^5 + 4^8 - 2^7 & 64534 &:= -6^1 - 4^5 + 5^0 + 3^3 + 4^8 & 64722 &:= -6^3 + 4^8 - 7^3 + 2^0 - 2^8 \\
64443 &:= -6^1 - 4^3 - 4^5 + 4^8 + 3^0 & 64535 &:= -6^3 + 4^3 - 5^6 + 3^7 + 5^7 & 64723 &:= -6^2 + 4^8 - 7^2 + 2^0 - 3^6 \\
64444 &:= -6^2 - 4^2 - 4^2 - 4^5 + 4^8 & 64536 &:= -6^4 + 4^8 - 5^0 + 3^4 + 6^3 & 64732 &:= -6^4 + 4^8 - 7^1 + 3^5 + 2^8 \\
64445 &:= -6^1 + 4^3 - 4^5 + 4^8 - 5^3 & 64537 &:= -6^4 + 4^8 + 5^1 + 3^5 + 7^2 & 64733 &:= -6^4 + 4^8 + 7^1 + 3^5 + 3^5 \\
64448 &:= -6^4 + 4^2 + 4^4 + 4^8 - 8^2 & 64538 &:= -6^2 + 4^8 + 5^5 + 3^2 - 8^4 & 64735 &:= -6^4 + 4^8 + 7^3 + 3^3 + 5^3 \\
64449 &:= -6^4 + 4^3 + 4^3 + 4^8 + 9^2 & 64539 &:= -6^4 + 4^8 - 5^2 + 3^5 + 9^2 & 64739 &:= -6^6 + 4^3 + 7^6 + 3^5 - 9^4 \\
64450 &:= -6^2 - 4^5 + 4^8 - 5^2 - 0^0 & 64540 &:= -6^4 - 4^7 + 5^7 + 4^6 - 0^0 & 64745 &:= -6^3 + 4^0 + 7^2 + 4^8 - 5^4 \\
64452 &:= -6^2 - 4^5 + 4^8 - 5^2 + 2^0 & 64542 &:= -6^4 - 4^7 + 5^7 + 4^6 + 2^0 & 64752 &:= -6^4 + 4^8 - 7^0 + 5^0 + 2^9 \\
64456 &:= -6^4 - 4^0 + 4^8 + 5^0 + 6^3 & 64553 &:= -6^4 + 4^8 - 5^4 + 5^5 - 3^7 & 64753 &:= -6^1 + 4^8 - 7^2 + 5^0 - 3^6 \\
64457 &:= -6^4 - 4^0 + 4^8 - 5^3 + 7^3 & 64554 &:= -6^1 - 4^6 - 5^1 + 5^5 + 4^8 & 64757 &:= -6^4 + 4^8 + 7^2 + 5^3 + 7^3 \\
64460 &:= -6^4 + 4^1 + 4^8 + 6^3 + 0^1 & 64556 &:= -6^4 + 4^8 - 5^2 + 5^3 + 6^3 & 64758 &:= -6^4 + 4^8 + 7^0 + 5^1 + 8^3 \\
64461 &:= -6^4 + 4^1 + 4^8 + 6^3 + 1^0 & 64557 &:= -6^2 + 4^8 - 5^4 + 5^2 - 7^3 & 64773 &:= -6^2 + 4^8 + 7^0 + 7^0 - 3^6 \\
64462 &:= -6^1 - 4^5 + 4^8 - 6^2 - 2^3 & 64558 &:= -6^1 + 4^8 - 5^0 + 5^5 - 8^4 & 64775 &:= -6^2 + 4^8 - 7^0 + 7^4 - 5^5 \\
64463 &:= -6^4 + 4^1 + 4^8 + 6^3 + 3^1 & 64563 &:= -6^2 + 4^8 - 5^5 + 6^0 + 3^7 & 64779 &:= -6^2 + 4^8 + 7^0 + 7^1 - 9^3 \\
64464 &:= -6^4 + 4^1 + 4^1 + 6^3 + 4^8 & 64572 &:= -6^4 + 4^8 + 5^1 + 7^3 - 2^4 & 64792 &:= -6^4 + 4^8 - 7^2 + 9^3 - 2^7 \\
64465 &:= -6^1 - 4^5 + 4^8 - 6^2 - 5^1 & 64573 &:= -6^3 + 4^8 - 5^2 + 7^1 - 3^6 & 64795 &:= -6^2 + 4^4 + 7^4 + 9^5 + 5^5 \\
64466 &:= -6^1 + 4^2 + 4^8 + 6^3 - 6^4 & 64574 &:= -6^4 - 4^1 - 5^1 + 7^3 + 4^8 & 64803 &:= -6^1 + 4^8 + 8^0 + 0^0 - 3^6 \\
64467 &:= -6^2 + 4^2 + 4^5 + 6^6 + 7^5 & 64576 &:= -6^1 + 4^8 - 5^0 + 7^3 - 6^4 & 64804 &:= -6^3 - 4^1 - 8^3 + 0^1 + 4^8 \\
64468 &:= -6^4 + 4^1 + 4^8 + 6^3 + 8^1 & 64577 &:= -6^4 + 4^8 + 5^0 + 7^3 - 7^1 & 64807 &:= -6^3 + 4^8 - 8^3 + 0^1 - 7^0 \\
64469 &:= -6^1 - 4^5 + 4^8 - 6^2 - 9^0 & 64578 &:= -6^2 + 4^8 + 5^5 + 7^2 - 8^4 & 64808 &:= -6^3 + 4^8 - 8^0 + 0^0 - 8^3 \\
64470 &:= -6^2 - 4^5 + 4^8 - 7^1 + 0^0 & 64579 &:= -6^4 + 4^8 - 5^1 + 7^3 + 9^0 & 64809 &:= -6^1 + 4^8 + 8^1 + 0^1 - 9^3 \\
64474 &:= -6^2 - 4^0 - 4^5 - 7^0 + 4^8 & 64593 &:= -6^1 + 4^8 - 5^5 + 9^0 + 3^7 & 64810 &:= -6^3 + 4^8 - 8^3 + 1^0 + 0^0
\end{aligned}$$

$$\begin{aligned}
64822 &:= -6^3 + 4^8 - 8^3 + 2^4 - 2^1 & 64964 &:= -6^4 - 4^1 + 9^3 - 6^0 + 4^8 & 65293 &:= -6^2 - 5^2 - 2^8 + 9^5 + 3^8 \\
64823 &:= -6^3 + 4^8 - 8^3 + 2^4 - 3^0 & 64965 &:= -6^4 + 4^8 + 9^3 + 6^0 - 5^1 & 65294 &:= -6^3 - 5^0 - 2^4 - 9^1 + 4^8 \\
64824 &:= -6^3 - 4^2 - 8^3 + 2^5 + 4^8 & 64969 &:= -6^4 + 4^8 - 9^0 + 6^0 + 9^3 & 65295 &:= -6^1 + 5^5 + 2^1 + 9^5 + 5^5 \\
64825 &:= -6^3 + 4^8 - 8^3 + 2^4 + 5^0 & 64970 &:= -6^4 + 4^8 + 9^3 + 7^0 + 0^1 & 65304 &:= -6^3 - 5^2 + 3^2 + 0^1 + 4^8 \\
64832 &:= -6^4 + 4^8 - 8^0 + 3^4 + 2^9 & 64971 &:= -6^4 + 4^8 + 9^3 + 7^0 + 1^0 & 65324 &:= -6^1 + 5^1 - 3^5 + 2^5 + 4^8 \\
64833 &:= -6^3 + 4^8 - 8^0 + 3^5 - 3^6 & 64972 &:= -6^4 + 4^8 + 9^3 + 7^0 + 2^1 & 65329 &:= -6^3 - 5^0 + 3^8 - 2^6 + 9^5 \\
64834 &:= -6^2 - 4^0 + 8^2 - 3^6 + 4^8 & 64973 &:= -6^4 + 4^8 + 9^3 + 7^0 + 3^1 & 65341 &:= -6^3 - 5^1 + 3^3 + 4^8 - 1^0 \\
64835 &:= -6^7 - 4^8 - 8^0 + 3^9 + 5^8 & 64974 &:= -6^3 - 4^1 + 9^0 - 7^3 + 4^8 & 65342 &:= -6^1 - 5^3 + 3^0 + 4^8 - 2^6 \\
64836 &:= -6^3 + 4^8 - 8^3 + 3^3 + 6^0 & 64975 &:= -6^1 + 4^8 - 9^3 + 7^2 + 5^3 & 65343 &:= -6^1 - 5^2 - 3^4 + 4^8 - 3^4 \\
64843 &:= -6^1 - 4^4 - 8^3 + 4^8 + 3^4 & 64976 &:= -6^4 + 4^8 + 9^3 + 7^0 + 6^1 & 65344 &:= -6^1 - 5^3 + 3^1 - 4^3 + 4^8 \\
64845 &:= -6^1 + 4^1 - 8^2 + 4^8 - 5^4 & 64977 &:= -6^3 + 4^8 - 9^0 + 7^0 - 7^3 & 65345 &:= -6^3 + 5^0 - 3^0 + 4^8 + 5^2 \\
64847 &:= -6^4 + 4^4 + 8^1 + 4^8 + 7^3 & 64978 &:= -6^4 + 4^8 + 9^3 + 7^0 + 8^1 & 65345 &:= -6^3 - 5^0 + 3^0 + 4^8 + 5^2 \\
64849 &:= -6^1 - 4^2 + 8^2 + 4^8 - 9^3 & 64979 &:= -6^4 + 4^6 + 9^3 + 7^4 + 9^5 & 65346 &:= -6^1 + 5^1 + 3^3 + 4^8 - 6^3 \\
64856 &:= -6^4 + 4^8 - 8^1 + 5^4 - 6^0 & 64984 &:= -6^3 - 4^4 - 9^2 + 8^0 + 4^8 & 65347 &:= -6^1 - 5^3 - 3^2 + 4^8 - 7^2 \\
64857 &:= -6^4 + 4^8 - 8^0 + 5^4 - 7^1 & 64987 &:= -6^3 + 4^8 + 9^1 + 8^0 - 7^3 & 65348 &:= -6^1 + 5^3 - 3^5 + 4^8 - 8^2 \\
64858 &:= -6^4 + 4^8 + 8^0 + 5^4 - 8^1 & 64988 &:= -6^2 + 4^8 - 9^0 + 8^0 - 8^3 & 65349 &:= -6^2 - 5^3 - 3^3 + 4^8 + 9^0 \\
64865 &:= -6^4 + 4^8 - 8^0 + 6^0 + 5^4 & 64992 &:= -6^3 + 4^8 - 9^2 + 9^1 - 2^8 & 65364 &:= -6^1 - 5^4 + 3^5 + 6^3 + 4^8 \\
64869 &:= -6^4 + 4^8 + 8^3 + 6^2 + 9^2 & 64994 &:= -6^4 + 4^2 + 9^1 + 9^3 + 4^8 & 65369 &:= -6^3 - 5^2 + 3^9 + 6^6 - 9^3 \\
64875 &:= -6^2 + 4^8 - 8^0 + 7^0 - 5^4 & 64995 &:= -6^1 + 4^2 + 9^4 + 9^5 - 5^4 & 65384 &:= -6^1 - 5^0 - 3^4 - 8^2 + 4^8 \\
64885 &:= -6^4 + 4^8 + 8^1 + 8^3 + 5^3 & 64996 &:= -6^2 + 4^8 - 9^3 + 9^1 + 6^3 & 65385 &:= -6^5 - 5^4 - 3^5 - 8^4 + 5^7 \\
64890 &:= -6^3 + 4^8 - 8^3 + 9^2 + 0^0 & 64998 &:= -6^2 - 4^3 + 9^4 + 9^5 - 8^3 & 65387 &:= -6^2 + 5^7 + 3^2 + 8^4 - 7^5 \\
64904 &:= -6^4 - 4^3 + 9^3 - 0^0 + 4^8 & 65042 &:= -6^1 + 5^2 - 0^0 + 4^8 - 2^9 & 65390 &:= -6^3 - 5^1 + 3^8 + 9^5 + 0^0 \\
64905 &:= -6^1 + 4^8 - 9^0 + 0^0 - 5^4 & 65074 &:= -6^4 - 5^7 + 0^1 - 7^6 + 4^9 & 65392 &:= -6^3 - 5^0 + 3^8 + 9^5 - 2^0 \\
64908 &:= -6^2 + 4^8 - 9^2 + 0^0 - 8^3 & 65094 &:= -6^4 + 5^3 + 0^1 + 9^3 + 4^8 & 65394 &:= -6^3 + 5^0 + 3^8 + 9^5 - 4^0 \\
64915 &:= -6^1 + 4^8 + 9^1 + 1^0 - 5^4 & 65142 &:= -6^1 + 5^3 - 1^0 + 4^8 - 2^9 & 65394 &:= -6^3 - 5^0 + 3^8 + 9^5 + 4^0 \\
64928 &:= -6^1 + 4^8 - 9^3 + 2^7 - 8^0 & 65147 &:= -6^3 - 5^3 + 1^0 + 4^8 - 7^2 & 65396 &:= -6^3 + 5^0 + 3^8 + 9^5 + 6^0 \\
64932 &:= -6^1 + 4^8 - 9^3 + 3^1 + 2^7 & 65204 &:= -6^3 - 5^3 + 2^3 + 0^0 + 4^8 & 65398 &:= -6^3 + 5^1 + 3^8 + 9^5 - 8^0 \\
64933 &:= -6^2 + 4^8 + 9^2 + 3^4 - 3^6 & 65234 &:= -6^2 - 5^0 - 2^8 - 3^2 + 4^8 & 65402 &:= -6^1 - 5^0 + 4^8 + 0^0 - 2^7 \\
64935 &:= -6^1 + 4^8 - 9^3 + 3^2 + 5^3 & 65240 &:= -6^2 - 5^1 - 2^8 + 4^8 + 0^0 & 65403 &:= -6^1 - 5^3 + 4^8 - 0^0 - 3^0 \\
64936 &:= -6^2 + 4^8 + 9^3 + 3^1 - 6^4 & 65242 &:= -6^2 - 5^0 - 2^0 + 4^8 - 2^8 & 65404 &:= -6^1 - 5^3 - 4^0 + 0^1 + 4^8 \\
64937 &:= -6^3 + 4^8 - 9^3 + 3^1 + 7^3 & 65243 &:= -6^3 + 5^1 - 2^0 + 4^8 - 3^4 & 65405 &:= -6^1 - 5^0 + 4^8 + 0^0 - 5^3 \\
64938 &:= -6^1 + 4^8 - 9^2 + 3^0 - 8^3 & 65244 &:= -6^2 - 5^0 + 2^0 - 4^4 + 4^8 & 65406 &:= -6^1 - 5^3 + 4^8 + 0^1 + 6^0 \\
64939 &:= -6^1 + 4^3 - 9^3 + 3^8 + 9^5 & 65246 &:= -6^2 + 5^0 - 2^8 + 4^8 + 6^0 & 65407 &:= -6^1 - 5^3 + 4^8 + 0^0 + 7^0 \\
64943 &:= -6^4 + 4^0 + 9^3 + 4^8 - 3^3 & 65247 &:= -6^1 - 5^4 - 2^0 + 4^8 + 7^3 & 65412 &:= -6^1 - 5^3 + 4^8 - 1^0 + 2^3 \\
64945 &:= -6^4 - 4^0 + 9^2 + 4^8 + 5^4 & 65248 &:= -6^1 - 5^2 - 2^8 + 4^8 - 8^0 & 65413 &:= -6^1 - 5^3 + 4^8 - 1^0 + 3^2 \\
64953 &:= -6^1 + 4^8 - 9^3 + 5^3 + 3^3 & 65254 &:= -6^1 - 5^2 - 2^8 + 5^1 + 4^8 & 65418 &:= -6^1 - 5^4 + 4^8 + 1^0 + 8^3 \\
64954 &:= -6^4 - 4^2 + 9^3 + 5^0 + 4^8 & 65259 &:= -6^2 + 5^5 - 2^2 + 5^5 + 9^5 & 65419 &:= -6^2 - 5^0 + 4^8 + 1^0 - 9^2 \\
64956 &:= -6^4 - 4^6 - 9^0 + 5^7 - 6^5 & 65264 &:= -6^3 - 5^2 - 2^5 + 6^0 + 4^8 & 65420 &:= -6^1 - 5^3 + 4^8 + 2^4 - 0^0 \\
64958 &:= -6^4 - 4^2 + 9^5 + 5^5 + 8^4 & 65274 &:= -6^1 - 5^0 - 2^8 + 7^0 + 4^8 & 65422 &:= -6^1 - 5^3 + 4^8 + 2^0 + 2^4 \\
64962 &:= -6^4 + 4^8 + 9^3 + 6^0 - 2^3 & 65276 &:= -6^4 + 5^5 - 2^4 + 7^5 + 6^6 & 65423 &:= -6^1 - 5^2 + 4^8 - 2^0 - 3^4 \\
64963 &:= -6^4 + 4^0 - 9^2 + 6^6 + 3^9 & 65284 &:= -6^3 - 5^1 - 2^5 + 8^0 + 4^8 & 65424 &:= -6^3 - 5^2 + 4^0 + 2^7 + 4^8
\end{aligned}$$

$$\begin{aligned}
65427 &:= -6^2 - 5^2 + 4^8 + 2^0 - 7^2 & 65478 &:= -6^1 + 5^1 + 4^8 + 7^1 - 8^2 & 65653 &:= -6^2 - 5^2 + 6^6 - 5^4 + 3^9 \\
65431 &:= -6^1 - 5^3 + 4^8 + 3^3 - 1^0 & 65479 &:= -6^1 - 5^0 + 4^8 - 7^2 - 9^0 & 65654 &:= -6^1 + 5^1 - 6^1 + 5^3 + 4^8 \\
65432 &:= -6^1 - 5^0 + 4^8 - 3^4 - 2^4 & 65482 &:= -6^2 - 5^0 + 4^8 - 8^0 - 2^4 & 65655 &:= -6^1 + 5^5 + 6^2 + 5^7 - 5^6 \\
65433 &:= -6^1 - 5^2 + 4^8 + 3^2 - 3^4 & 65483 &:= -6^2 - 5^2 + 4^8 - 8^0 + 3^2 & 65658 &:= -6^6 + 5^3 + 6^4 + 5^7 + 8^5 \\
65434 &:= -6^1 - 5^1 - 4^3 - 3^3 + 4^8 & 65484 &:= -6^2 - 5^0 - 4^2 + 8^0 + 4^8 & 65659 &:= -6^4 + 5^1 + 6^5 + 5^3 + 9^5 \\
65435 &:= -6^3 - 5^0 + 4^8 - 3^2 + 5^3 & 65486 &:= -6^2 - 5^1 + 4^8 - 8^1 - 6^0 & 65674 &:= -6^3 + 5^1 + 6^1 + 7^3 + 4^8 \\
65436 &:= -6^2 - 5^0 + 4^8 - 3^3 - 6^2 & 65487 &:= -6^1 + 5^1 + 4^8 + 8^0 - 7^2 & 65685 &:= -6^3 - 5^7 - 6^0 + 8^7 - 5^9 \\
65437 &:= -6^1 - 5^1 + 4^8 - 3^4 - 7^1 & 65488 &:= -6^2 - 5^1 + 4^8 + 8^0 - 8^1 & 65693 &:= -6^1 + 5^3 - 6^2 + 9^5 + 3^8 \\
65438 &:= -6^1 - 5^0 + 4^8 - 3^3 - 8^2 & 65489 &:= -6^2 - 5^0 + 4^8 - 8^0 - 9^1 & 65695 &:= -6^2 - 5^0 + 6^6 - 9^5 + 5^7 \\
65439 &:= -6^1 - 5^0 + 4^8 - 3^2 - 9^2 & 65490 &:= -6^2 - 5^0 + 4^8 - 9^1 + 0^1 & 65704 &:= -6^1 + 5^3 + 7^2 + 0^1 + 4^8 \\
65440 &:= -6^1 - 5^2 - 4^3 + 4^8 - 0^0 & 65491 &:= -6^2 - 5^0 + 4^8 - 9^1 + 1^0 & 65724 &:= -6^1 + 5^2 - 7^3 + 2^9 + 4^8 \\
65442 &:= -6^1 - 5^2 + 4^0 + 4^8 - 2^6 & 65492 &:= -6^1 - 5^1 + 4^8 - 9^0 - 2^5 & 65742 &:= -6^1 + 5^1 - 7^2 + 4^8 + 2^8 \\
65443 &:= -6^1 - 5^1 - 4^0 + 4^8 - 3^4 & 65493 &:= -6^1 - 5^0 + 4^8 - 9^1 - 3^3 & 65743 &:= -6^1 - 5^0 + 7^4 + 4^8 - 3^7 \\
65445 &:= -6^3 + 5^0 - 4^0 + 4^8 + 5^3 & 65494 &:= -6^2 - 5^0 - 4^1 - 9^0 + 4^8 & 65744 &:= -6^1 - 5^3 + 7^3 - 4^1 + 4^8 \\
65445 &:= -6^3 - 5^0 + 4^0 + 4^8 + 5^3 & 65495 &:= -6^1 - 5^0 + 4^8 - 9^1 - 5^2 & 65746 &:= -6^1 + 5^0 - 7^0 + 4^8 + 6^3 \\
65447 &:= -6^2 - 5^1 + 4^0 + 4^8 - 7^2 & 65496 &:= -6^1 + 5^0 + 4^8 + 9^0 - 6^2 & 65746 &:= -6^1 - 5^0 + 7^0 + 4^8 + 6^3 \\
65448 &:= -6^3 + 5^3 + 4^1 + 4^8 - 8^0 & 65497 &:= -6^1 - 5^0 + 4^8 - 9^2 + 7^2 & 65747 &:= -6^1 - 5^3 - 7^0 + 4^8 + 7^3 \\
65449 &:= -6^1 + 5^0 - 4^0 + 4^8 - 9^2 & 65498 &:= -6^1 - 5^2 + 4^8 + 9^0 - 8^1 & 65748 &:= -6^1 + 5^4 - 7^3 + 4^8 - 8^2 \\
65449 &:= -6^1 - 5^0 + 4^0 + 4^8 - 9^2 & 65499 &:= -6^2 - 5^0 + 4^8 + 9^0 - 9^0 & 65749 &:= -6^1 - 5^3 + 7^3 + 4^8 + 9^0 \\
65450 &:= -6^2 - 5^2 + 4^8 - 5^2 + 0^1 & 65504 &:= -6^1 - 5^0 - 5^2 + 0^1 + 4^8 & 65764 &:= -6^1 + 5^2 - 7^1 + 6^3 + 4^8 \\
65451 &:= -6^2 - 5^2 + 4^8 - 5^2 + 1^0 & 65524 &:= -6^1 - 5^0 - 5^0 - 2^2 + 4^8 & 65784 &:= -6^1 - 5^2 + 7^3 - 8^2 + 4^8 \\
65452 &:= -6^1 + 5^2 + 4^8 + 5^2 - 2^7 & 65525 &:= -6^2 - 5^6 + 5^5 - 2^6 + 5^7 & 65785 &:= -6^5 - 5^3 - 7^3 - 8^4 + 5^7 \\
65453 &:= -6^1 - 5^0 + 4^8 + 5^1 - 3^4 & 65540 &:= -6^1 + 5^1 + 5^1 + 4^8 + 0^1 & 65788 &:= -6^3 + 5^3 + 7^3 + 8^5 + 8^5 \\
65454 &:= -6^2 - 5^1 - 4^2 - 5^2 + 4^8 & 65541 &:= -6^1 + 5^1 + 5^1 + 4^8 + 1^0 & 65834 &:= -6^1 + 5^3 - 8^2 + 3^5 + 4^8 \\
65455 &:= -6^1 - 5^2 + 4^8 - 5^2 - 5^2 & 65542 &:= -6^1 - 5^0 + 5^1 + 4^8 + 2^3 & 65847 &:= -6^1 - 5^2 - 8^0 + 4^8 + 7^3 \\
65456 &:= -6^2 - 5^2 + 4^8 - 5^2 + 6^1 & 65543 &:= -6^1 - 5^0 + 5^1 + 4^8 + 3^2 & 65854 &:= -6^3 + 5^5 - 8^6 + 5^8 - 4^8 \\
65457 &:= -6^1 - 5^2 + 4^8 + 5^0 - 7^2 & 65544 &:= -6^1 - 5^0 - 5^0 + 4^2 + 4^8 & 65857 &:= -6^6 - 5^6 - 8^6 + 5^8 - 7^3 \\
65458 &:= -6^2 - 5^2 + 4^8 - 5^2 + 8^1 & 65545 &:= -6^1 + 5^1 + 5^1 + 4^8 + 5^1 & 65858 &:= -6^2 - 5^7 - 8^1 - 5^9 + 8^7 \\
65459 &:= -6^1 + 5^1 + 4^8 + 5^1 - 9^2 & 65546 &:= -6^1 + 5^1 + 5^1 + 4^8 + 6^1 & 65865 &:= -6^2 - 5^7 + 8^7 - 6^0 - 5^9 \\
65460 &:= -6^2 - 5^1 + 4^8 - 6^2 + 0^0 & 65547 &:= -6^1 - 5^0 + 5^2 + 4^8 - 7^1 & 65874 &:= -6^6 + 5^0 - 8^4 + 7^6 - 4^5 \\
65462 &:= -6^1 - 5^1 + 4^8 + 6^0 - 2^6 & 65548 &:= -6^1 + 5^0 + 5^2 + 4^8 - 8^1 & 65876 &:= -6^6 + 5^7 + 8^5 + 7^3 + 6^4 \\
65464 &:= -6^1 - 5^0 - 4^3 - 6^0 + 4^8 & 65549 &:= -6^1 + 5^1 + 5^1 + 4^8 + 9^1 & 65878 &:= -6^1 + 5^1 + 8^5 + 7^3 + 8^5 \\
65466 &:= -6^2 + 5^0 + 4^8 + 6^0 - 6^2 & 65564 &:= -6^1 - 5^0 - 5^0 + 6^2 + 4^8 & 65895 &:= -6^1 - 5^7 + 8^7 - 9^0 - 5^9 \\
65467 &:= -6^2 - 5^2 + 4^8 - 6^0 - 7^1 & 65569 &:= -6^1 - 5^4 - 5^4 + 6^5 + 9^5 & 65942 &:= -6^3 + 5^4 - 9^0 + 4^8 - 2^1 \\
65468 &:= -6^1 + 5^0 + 4^8 + 6^0 - 8^2 & 65584 &:= -6^1 - 5^1 - 5^1 + 8^2 + 4^8 & 65943 &:= -6^3 - 5^2 - 9^2 + 4^8 + 3^6 \\
65472 &:= -6^1 - 5^0 + 4^8 + 7^1 - 2^6 & 65624 &:= -6^2 - 5^1 + 6^0 + 2^7 + 4^8 & 65944 &:= -6^4 - 5^0 + 9^5 + 4^6 + 4^6 \\
65473 &:= -6^1 - 5^1 + 4^8 - 7^2 - 3^1 & 65634 &:= -6^2 - 5^0 + 6^3 - 3^4 + 4^8 & 65945 &:= -6^3 + 5^0 - 9^0 + 4^8 + 5^4 \\
65474 &:= -6^1 + 5^0 - 4^3 + 7^1 + 4^8 & 65639 &:= -6^1 - 5^0 + 6^2 + 3^8 + 9^5 & 65945 &:= -6^3 - 5^0 + 9^0 + 4^8 + 5^4 \\
65475 &:= -6^1 - 5^0 + 4^8 - 7^2 - 5^1 & 65642 &:= -6^1 + 5^4 - 6^0 + 4^8 - 2^9 & 65947 &:= -6^2 - 5^4 + 9^3 + 4^8 + 7^3 \\
65476 &:= -6^1 - 5^2 + 4^8 + 7^1 - 6^2 & 65647 &:= -6^1 + 5^3 - 6^0 + 4^8 - 7^1 & 65948 &:= -6^3 + 5^3 - 9^1 + 4^8 + 8^3 \\
65477 &:= -6^1 - 5^1 + 4^8 + 7^0 - 7^2 & 65648 &:= -6^1 + 5^3 + 6^0 + 4^8 - 8^1 & 65983 &:= -6^5 + 5^7 - 9^4 + 8^1 + 3^7
\end{aligned}$$

$$\begin{aligned}
65984 &:= -6^3 - 5^0 + 9^3 - 8^2 + 4^8 & 66334 &:= -6^1 - 6^1 + 3^4 + 3^6 + 4^8 & 66474 &:= -6^2 - 6^0 + 4^5 - 7^2 + 4^8 \\
66042 &:= -6^1 + 6^0 - 0^0 + 4^8 + 2^9 & 66335 &:= -6^1 + 6^6 + 3^0 + 3^9 + 5^0 & 66483 &:= -6^1 + 6^3 + 4^8 + 8^1 + 3^6 \\
66042 &:= -6^1 - 6^0 + 0^0 + 4^8 + 2^9 & 66336 &:= -6^1 + 6^1 - 3^1 + 3^9 + 6^6 & 66484 &:= -6^1 - 6^1 + 4^5 - 8^2 + 4^8 \\
66043 &:= -6^1 - 6^3 + 0^1 + 4^8 + 3^6 & 66337 &:= -6^1 + 6^6 + 3^1 + 3^9 + 7^0 & 66488 &:= -6^2 - 6^2 + 4^5 + 8^5 + 8^5 \\
66048 &:= -6^1 + 6^1 + 0^1 + 4^8 + 8^3 & 66338 &:= -6^1 + 6^6 - 3^1 + 3^9 + 8^1 & 66489 &:= -6^3 - 6^4 + 4^8 - 8^4 + 9^4 \\
66049 &:= -6^3 - 6^0 + 0^0 + 4^8 + 9^3 & 66339 &:= -6^1 + 6^1 + 3^6 + 3^8 + 9^5 & 66534 &:= -6^2 + 6^6 - 5^2 + 3^9 + 4^4 \\
66098 &:= -6^3 + 6^5 + 0^0 + 9^5 - 8^3 & 66342 &:= -6^1 + 6^6 + 3^9 + 4^0 + 2^3 & 66539 &:= -6^1 + 6^6 + 5^3 + 3^9 + 9^2 \\
66123 &:= -6^3 + 6^6 - 1^0 + 2^0 + 3^9 & 66343 &:= -6^1 + 6^6 + 3^2 + 4^0 + 3^9 & 66553 &:= -6^2 + 6^6 + 5^3 + 5^3 + 3^9 \\
66132 &:= -6^3 + 6^6 + 1^0 + 3^9 + 2^3 & 66344 &:= -6^3 + 6^0 - 3^0 + 4^5 + 4^8 & 66554 &:= -6^1 - 6^2 - 5^6 + 5^7 + 4^6 \\
66133 &:= -6^3 + 6^6 + 1^0 + 3^2 + 3^9 & 66344 &:= -6^3 - 6^0 + 3^0 + 4^5 + 4^8 & 66557 &:= -6^1 + 6^6 - 5^2 + 5^5 + 7^5 \\
66173 &:= -6^3 + 6^6 + 1^0 + 7^2 + 3^9 & 66348 &:= -6^1 + 6^6 + 3^9 + 4^2 - 8^0 & 66559 &:= -6^2 + 6^4 + 5^5 + 5^5 + 9^5 \\
66194 &:= -6^2 - 6^2 + 1^0 + 9^3 + 4^8 & 66354 &:= -6^1 + 6^6 + 3^9 + 5^1 + 4^2 & 66571 &:= -6^4 - 6^6 - 5^5 + 7^6 - 1^0 \\
66195 &:= -6^1 + 6^5 + 1^0 + 9^5 - 5^4 & 66357 &:= -6^1 + 6^6 + 3^9 + 5^2 - 7^0 & 66573 &:= -6^1 + 6^6 + 5^5 + 7^5 - 3^2 \\
66224 &:= -6^2 + 6^3 - 2^2 + 2^9 + 4^8 & 66359 &:= -6^1 + 6^6 + 3^9 + 5^2 + 9^0 & 66576 &:= -6^1 - 6^1 + 5^5 + 7^5 + 6^6 \\
66234 &:= -6^2 + 6^0 + 2^2 + 3^6 + 4^8 & 66368 &:= -6^1 + 6^2 + 3^9 + 6^6 - 8^0 & 66592 &:= -6^3 + 6^5 - 5^0 + 9^5 - 2^4 \\
66238 &:= -6^2 + 6^6 - 2^0 + 3^9 - 8^2 & 66372 &:= -6^1 + 6^6 + 3^9 + 7^1 + 2^5 & 66593 &:= -6^3 + 6^5 - 5^2 + 9^5 + 3^2 \\
66242 &:= -6^1 + 6^3 - 2^4 + 4^8 + 2^9 & 66373 &:= -6^1 + 6^6 - 3^2 + 7^2 + 3^9 & 66594 &:= -6^3 + 6^5 + 5^0 + 9^5 - 4^2 \\
66243 &:= -6^2 + 6^1 + 2^3 + 4^8 + 3^6 & 66374 &:= -6^2 + 6^6 + 3^9 + 7^1 + 4^3 & 66597 &:= -6^3 + 6^5 - 5^1 + 9^5 - 7^1 \\
66244 &:= -6^2 - 6^3 - 2^6 + 4^5 + 4^8 & 66375 &:= -6^3 + 6^6 + 3^1 + 7^5 + 5^5 & 66599 &:= -6^3 + 6^5 - 5^0 + 9^5 - 9^1 \\
66245 &:= -6^1 - 6^5 - 2^1 - 4^6 + 5^7 & 66376 &:= -6^1 - 6^1 + 3^9 + 7^2 + 6^6 & 66609 &:= -6^3 - 6^0 + 6^5 + 0^0 + 9^5 \\
66247 &:= -6^4 + 6^6 - 2^4 + 4^6 + 7^5 & 66377 &:= -6^3 + 6^6 + 3^6 + 7^4 + 7^5 & 66614 &:= -6^3 - 6^0 + 6^4 - 1^0 + 4^8 \\
66249 &:= -6^1 - 6^1 - 2^2 + 4^8 + 9^3 & 66379 &:= -6^1 + 6^5 + 3^2 + 7^6 - 9^5 & 66624 &:= -6^3 + 6^1 + 6^4 + 2^1 + 4^8 \\
66254 &:= -6^2 + 6^0 + 2^7 + 5^4 + 4^8 & 66392 &:= -6^2 + 6^6 + 3^9 + 9^2 + 2^3 & 66642 &:= -6^1 - 6^3 + 6^4 + 4^8 + 2^5 \\
66258 &:= -6^5 + 6^0 + 2^2 + 5^7 - 8^4 & 66393 &:= -6^2 + 6^6 + 3^2 + 9^2 + 3^9 & 66643 &:= -6^3 + 6^2 + 6^4 + 4^8 - 3^2 \\
66263 &:= -6^1 - 6^1 - 2^6 + 6^6 + 3^9 & 66394 &:= -6^1 + 6^3 - 3^4 + 9^3 + 4^8 & 66644 &:= -6^2 - 6^3 + 6^4 + 4^3 + 4^8 \\
66264 &:= -6^1 + 6^1 + 2^9 + 6^3 + 4^8 & 66396 &:= -6^3 - 6^3 + 3^1 + 9^5 + 6^5 & 66646 &:= -6^1 + 6^2 - 6^3 + 4^8 + 6^4 \\
66294 &:= -6^1 + 6^2 - 2^0 + 9^3 + 4^8 & 66398 &:= -6^1 + 6^6 + 3^9 + 9^0 + 8^2 & 66649 &:= -6^3 + 6^2 + 6^5 + 4^1 + 9^5 \\
66302 &:= -6^1 + 6^6 + 3^9 + 0^0 - 2^5 & 66423 &:= -6^1 + 6^2 + 4^8 + 2^7 + 3^6 & 66687 &:= -6^3 - 6^6 + 6^1 - 8^4 + 7^6 \\
66303 &:= -6^2 + 6^6 - 3^0 + 0^0 + 3^9 & 66424 &:= -6^2 - 6^2 + 4^5 - 2^6 + 4^8 & 66689 &:= -6^2 - 6^2 + 6^5 - 8^2 + 9^5 \\
66304 &:= -6^2 + 6^6 + 3^9 + 0^1 + 4^0 & 66427 &:= -6^3 - 6^4 + 4^8 + 2^1 + 7^4 & 66692 &:= -6^1 + 6^0 + 6^5 + 9^5 - 2^7 \\
66305 &:= -6^2 + 6^6 + 3^9 + 0^0 + 5^0 & 66432 &:= -6^2 + 6^6 + 4^0 + 3^9 + 2^7 & 66695 &:= -6^1 + 6^0 + 6^5 + 9^5 - 5^3 \\
66312 &:= -6^2 + 6^6 + 3^9 + 1^0 + 2^3 & 66434 &:= -6^4 + 6^1 + 4^0 + 3^7 + 4^8 & 66734 &:= -6^2 - 6^4 + 7^3 + 3^7 + 4^8 \\
66313 &:= -6^2 + 6^6 + 3^2 + 1^0 + 3^9 & 66442 &:= -6^1 + 6^4 - 4^4 + 4^8 - 2^7 & 66738 &:= -6^4 + 6^6 - 7^4 + 3^9 + 8^4 \\
66320 &:= -6^2 + 6^6 + 3^9 + 2^4 + 0^0 & 66443 &:= -6^3 + 6^6 + 4^3 + 4^4 + 3^9 & 66739 &:= -6^3 + 6^4 + 7^2 + 3^8 + 9^5 \\
66324 &:= -6^1 + 6^0 + 3^6 + 2^6 + 4^8 & 66444 &:= -6^3 + 6^2 + 4^3 + 4^5 + 4^8 & 66746 &:= -6^2 - 6^0 - 7^2 + 4^8 + 6^4 \\
66326 &:= -6^1 - 6^1 + 3^9 - 2^0 + 6^6 & 66445 &:= -6^1 + 6^4 - 4^4 + 4^8 - 5^3 & 66748 &:= -6^2 + 6^4 - 7^2 + 4^8 + 8^0 \\
66327 &:= -6^1 + 6^6 + 3^9 + 2^0 - 7^1 & 66449 &:= -6^2 + 6^1 + 4^5 + 4^8 - 9^2 & 66759 &:= -6^4 - 6^5 + 7^5 - 5^2 + 9^5 \\
66330 &:= -6^1 + 6^6 - 3^1 + 3^9 + 0^1 & 66453 &:= -6^4 + 6^0 + 4^8 + 5^2 + 3^7 & 66769 &:= -6^1 - 6^0 - 7^2 + 6^5 + 9^5 \\
66331 &:= -6^1 + 6^6 - 3^0 + 3^9 - 1^0 & 66458 &:= -6^3 + 6^0 + 4^8 + 5^4 + 8^3 & 66789 &:= -6^2 + 6^5 - 7^0 + 8^0 + 9^5 \\
66332 &:= -6^1 + 6^6 + 3^0 + 3^9 - 2^1 & 66464 &:= -6^3 - 6^3 + 4^3 + 6^4 + 4^8 & 66790 &:= -6^2 + 6^5 + 7^0 + 9^5 + 0^1 \\
66333 &:= -6^1 + 6^6 - 3^0 + 3^0 + 3^9 & 66469 &:= -6^1 - 6^1 + 4^8 + 6^3 + 9^3 & 66791 &:= -6^2 + 6^5 + 7^0 + 9^5 + 1^0
\end{aligned}$$

$66792 := -6^2 + 6^5 + 7^0 + 9^5 + 2^1$	$67235 := -6^5 - 7^4 + 2^4 - 3^6 + 5^7$	$67745 := -6^3 - 7^0 + 7^4 + 4^8 + 5^2$
$66793 := -6^1 + 6^5 + 7^0 + 9^5 - 3^3$	$67255 := -6^5 - 7^0 + 2^5 - 5^5 + 5^7$	$67746 := -6^4 + 7^4 + 7^4 + 4^8 - 6^4$
$66794 := -6^2 + 6^5 + 7^0 + 9^5 + 4^1$	$67296 := -6^4 + 7^5 + 2^9 + 9^5 - 6^5$	$67764 := -6^3 + 7^1 + 7^4 + 6^2 + 4^8$
$66795 := -6^1 + 6^5 + 7^0 + 9^5 - 5^2$	$67298 := -6^5 - 7^5 + 2^6 + 9^5 + 8^5$	$67782 := -6^2 - 7^5 + 7^6 - 8^5 - 2^8$
$66796 := -6^2 + 6^1 + 7^0 + 9^5 + 6^5$	$67328 := -6^6 + 7^6 - 3^4 + 2^9 - 8^4$	$67784 := -6^3 - 7^0 + 7^4 + 8^2 + 4^8$
$66797 := -6^2 + 6^5 + 7^0 + 9^5 + 7^1$	$67342 := -6^1 - 7^3 + 3^7 + 4^8 - 2^5$	$67805 := -6^6 + 7^6 - 8^2 + 0^0 - 5^5$
$66798 := -6^2 + 6^5 + 7^0 + 9^5 + 8^1$	$67343 := -6^2 - 7^3 - 3^0 + 4^8 + 3^7$	$67834 := -6^3 + 7^2 - 8^4 + 3^8 + 4^8$
$66799 := -6^2 + 6^5 + 7^0 + 9^1 + 9^5$	$67345 := -6^2 - 7^3 + 3^7 + 4^8 + 5^0$	$67835 := -6^2 - 7^5 - 8^1 + 3^8 + 5^7$
$66804 := -6^2 + 6^4 + 8^1 + 0^1 + 4^8$	$67346 := -6^3 + 7^0 + 3^6 + 4^8 + 6^4$	$67837 := -6^6 - 7^4 - 8^3 - 3^5 + 7^6$
$66819 := -6^1 + 6^5 - 8^0 + 1^0 + 9^5$	$67363 := -6^4 + 7^4 - 3^4 + 6^6 + 3^9$	$67845 := -6^3 + 7^4 - 8^0 + 4^8 + 5^3$
$66823 := -6^2 + 6^6 + 8^1 + 2^9 + 3^9$	$67364 := -6^1 + 7^1 + 3^9 + 6^6 + 4^5$	$67849 := -6^1 + 7^4 - 8^0 + 4^8 - 9^2$
$66827 := -6^1 - 6^6 - 8^4 - 2^6 + 7^6$	$67385 := -6^3 - 7^5 + 3^7 + 8^4 + 5^7$	$67852 := -6^5 - 7^4 - 8^2 + 5^7 - 2^5$
$66828 := -6^1 + 6^4 + 8^5 + 2^1 + 8^5$	$67415 := -6^4 + 7^2 + 4^8 + 1^0 + 5^5$	$67853 := -6^3 - 7^1 + 8^5 + 5^6 + 3^9$
$66829 := -6^1 + 6^5 + 8^1 + 2^1 + 9^5$	$67432 := -6^2 + 7^0 + 4^8 + 3^7 - 2^8$	$67854 := -6^3 + 7^4 + 8^1 + 5^3 + 4^8$
$66834 := -6^1 + 6^4 - 8^0 + 3^2 + 4^8$	$67433 := -6^3 + 7^1 + 4^8 + 3^7 - 3^4$	$67857 := -6^3 - 7^5 - 8^5 - 5^0 + 7^6$
$66842 := -6^1 + 6^4 + 8^1 + 4^8 + 2^3$	$67434 := -6^4 + 7^4 + 4^3 + 3^6 + 4^8$	$67859 := -6^4 - 7^4 - 8^1 + 5^7 - 9^4$
$66843 := -6^1 + 6^4 + 8^1 + 4^8 + 3^2$	$67435 := -6^1 + 7^3 + 4^8 + 3^7 - 5^4$	$67874 := -6^1 + 7^1 - 8^2 + 7^4 + 4^8$
$66844 := -6^2 + 6^4 + 8^2 + 4^8 - 4^2$	$67438 := -6^1 - 7^0 + 4^8 - 3^7 + 8^4$	$67875 := -6^6 - 7^0 + 8^1 + 7^6 - 5^5$
$66854 := -6^4 + 6^0 - 8^3 + 5^5 + 4^8$	$67452 := -6^4 + 7^3 + 4^8 + 5^5 - 2^8$	$67885 := -6^5 - 7^4 + 8^0 - 8^2 + 5^7$
$66867 := -6^2 - 6^6 - 8^4 + 6^1 + 7^6$	$67453 := -6^3 - 7^2 + 4^8 - 5^1 + 3^7$	$67894 := -6^2 + 7^4 - 8^1 + 9^0 + 4^8$
$66874 := -6^1 + 6^4 - 8^0 + 7^2 + 4^8$	$67458 := -6^3 + 7^6 - 4^8 + 5^6 - 8^2$	$67923 := -6^3 + 7^4 + 9^5 + 2^7 + 3^8$
$66895 := -6^7 + 6^0 + 8^6 + 9^4 + 5^7$	$67472 := -6^3 + 7^1 + 4^8 + 7^4 - 2^8$	$67924 := -6^1 + 7^4 - 9^1 + 2^1 + 4^8$
$66897 := -6^6 - 6^0 - 8^4 + 9^0 + 7^6$	$67475 := -6^4 - 7^6 + 4^9 + 7^4 - 5^7$	$67925 := -6^5 - 7^4 + 9^1 - 2^5 + 5^7$
$66899 := -6^1 + 6^4 - 8^0 + 9^4 + 9^5$	$67495 := -6^4 + 7^2 + 4^8 + 9^2 + 5^5$	$67927 := -6^6 - 7^4 - 9^3 + 2^6 + 7^6$
$66905 := -6^5 + 6^1 + 9^5 + 0^0 + 5^6$	$67524 := -6^3 + 7^6 + 5^6 + 2^1 - 4^8$	$67940 := -6^1 + 7^4 + 9^1 + 4^8 + 0^1$
$66915 := -6^2 + 6^5 + 9^5 + 1^0 + 5^3$	$67527 := -6^6 - 7^3 - 5^5 + 2^1 + 7^6$	$67941 := -6^1 + 7^4 + 9^1 + 4^8 + 1^0$
$66932 := -6^1 + 6^4 + 9^5 + 3^8 + 2^5$	$67542 := -6^4 + 7^2 + 5^5 + 4^8 + 2^7$	$67942 := -6^1 + 7^4 + 9^1 + 4^8 + 2^1$
$66933 := -6^3 + 6^4 + 9^5 + 3^5 + 3^8$	$67543 := -6^1 - 7^2 - 5^3 + 4^8 + 3^7$	$67943 := -6^1 + 7^4 + 9^1 + 4^8 + 3^1$
$66934 := -6^1 + 6^4 + 9^2 + 3^3 + 4^8$	$67547 := -6^3 - 7^2 - 5^3 + 4^8 + 7^4$	$67944 := -6^1 + 7^4 + 9^1 + 4^1 + 4^8$
$66935 := -6^5 + 6^2 + 9^5 + 3^0 + 5^6$	$67563 := -6^6 + 7^6 + 5^5 + 6^1 - 3^8$	$67945 := -6^1 + 7^4 + 9^1 + 4^8 + 5^1$
$66936 := -6^1 + 6^2 + 9^5 + 3^4 + 6^5$	$67568 := -6^6 + 7^6 - 5^4 + 6^4 - 8^4$	$67946 := -6^1 + 7^4 + 9^1 + 4^8 + 6^1$
$66945 := -6^1 + 6^5 + 9^5 + 4^0 + 5^3$	$67634 := -6^1 + 7^5 + 6^6 + 3^4 + 4^6$	$67947 := -6^1 + 7^1 + 9^1 + 4^8 + 7^4$
$66952 := -6^1 + 6^5 + 9^5 + 5^1 + 2^7$	$67636 := -6^1 + 7^1 + 6^4 + 3^9 + 6^6$	$67948 := -6^1 + 7^4 + 9^1 + 4^8 + 8^1$
$66953 := -6^1 + 6^5 + 9^5 + 5^3 + 3^2$	$67644 := -6^2 + 7^4 - 6^0 + 4^8 - 4^4$	$67949 := -6^1 + 7^4 + 9^1 + 4^8 + 9^1$
$66957 := -6^3 + 6^5 + 9^5 + 5^1 + 7^3$	$67649 := -6^5 - 7^1 - 6^0 + 4^7 + 9^5$	$67950 := -6^5 - 7^4 + 9^0 + 5^7 + 0^0$
$66994 := -6^1 + 6^1 + 9^3 + 9^3 + 4^8$	$67652 := -6^5 - 7^4 + 6^3 + 5^7 - 2^9$	$67956 := -6^5 - 7^4 + 9^1 + 5^7 - 6^0$
$66995 := -6^2 + 6^4 + 9^4 + 9^5 + 5^3$	$67694 := -6^2 + 7^4 - 6^3 + 9^1 + 4^8$	$67958 := -6^5 - 7^4 + 9^1 + 5^7 + 8^0$
$66996 := -6^2 + 6^3 - 9^1 + 9^5 + 6^5$	$67724 := -6^2 - 7^2 + 7^4 - 2^7 + 4^8$	$67962 := -6^4 + 7^4 + 9^5 + 6^5 + 2^5$
$67024 := -6^6 + 7^6 - 0^0 + 2^7 - 4^6$	$67729 := -6^5 - 7^3 + 7^5 - 2^3 + 9^5$	$67966 := -6^4 + 7^4 + 9^5 + 6^2 + 6^5$
$67088 := -6^7 + 7^6 - 0^0 + 8^6 - 8^5$	$67743 := -6^2 + 7^1 + 7^2 + 4^8 + 3^7$	$67983 := -6^2 + 7^4 + 9^5 + 8^1 + 3^8$
$67234 := -6^4 + 7^4 + 2^9 + 3^4 + 4^8$	$67744 := -6^3 + 7^1 + 7^4 + 4^2 + 4^8$	$67984 := -6^4 - 7^3 - 9^1 + 8^4 + 4^8$

$$\begin{aligned}
67987 &:= -6^1 - 7^5 - 9^2 - 8^5 + 7^6 & 68797 &:= -6^1 - 8^5 - 7^5 + 9^3 + 7^6 & 69479 &:= -6^3 - 9^0 + 4^8 - 7^4 + 9^4 \\
67998 &:= -6^4 + 7^5 - 9^4 + 9^5 - 8^0 & 68844 &:= -6^4 + 8^3 + 8^4 + 4^8 - 4^1 & 69489 &:= -6^3 + 9^4 - 4^0 + 8^4 + 9^5 \\
68079 &:= -6^5 - 8^0 + 0^1 + 7^5 + 9^5 & 68845 &:= -6^6 + 8^3 + 8^5 + 4^6 + 5^7 & 69490 &:= -6^3 + 9^4 + 4^6 + 9^5 + 0^1 \\
68153 &:= -6^5 - 8^1 - 1^0 + 5^7 - 3^7 & 68847 &:= -6^4 + 8^3 + 8^4 + 4^8 - 7^0 & 69491 &:= -6^3 + 9^4 + 4^6 + 9^5 + 1^0 \\
68224 &:= -6^4 + 8^4 - 2^7 + 2^4 + 4^8 & 68848 &:= -6^4 + 8^3 + 8^5 + 4^6 + 8^5 & 69492 &:= -6^3 + 9^4 + 4^6 + 9^5 + 2^1 \\
68334 &:= -6^4 + 8^4 - 3^1 + 3^0 + 4^8 & 68849 &:= -6^4 + 8^3 + 8^4 + 4^8 + 9^0 & 69493 &:= -6^3 + 9^4 + 4^6 + 9^5 + 3^1 \\
68340 &:= -6^4 + 8^4 + 3^1 + 4^8 + 0^0 & 68934 &:= -6^3 - 8^4 + 9^5 - 3^7 + 4^7 & 69494 &:= -6^3 + 9^4 + 4^1 + 9^5 + 4^6 \\
68344 &:= -6^4 - 8^0 + 3^2 + 4^6 + 4^8 & 68967 &:= -6^4 - 8^0 - 9^3 - 6^6 + 7^6 & 69495 &:= -6^3 + 9^4 + 4^6 + 9^5 + 5^1 \\
68346 &:= -6^4 + 8^4 + 3^2 + 4^8 + 6^0 & 68976 &:= -6^4 + 8^1 - 9^3 + 7^6 - 6^6 & 69496 &:= -6^3 + 9^4 + 4^6 + 9^5 + 6^1 \\
68354 &:= -6^1 + 8^3 + 3^7 + 5^3 + 4^8 & 69055 &:= -6^1 + 9^4 + 0^1 + 5^7 - 5^6 & 69497 &:= -6^3 + 9^4 + 4^6 + 9^5 + 7^1 \\
68359 &:= -6^4 - 8^4 + 3^7 + 5^7 - 9^4 & 69064 &:= -6^5 + 9^5 - 0^0 + 6^7 - 4^9 & 69498 &:= -6^3 + 9^0 + 4^8 + 9^2 + 8^4 \\
68364 &:= -6^4 + 8^4 + 3^3 + 6^0 + 4^8 & 69079 &:= -6^3 - 9^4 + 0^1 + 7^5 + 9^5 & 69499 &:= -6^3 + 9^1 + 4^6 + 9^4 + 9^5 \\
68374 &:= -6^6 + 8^5 - 3^4 + 7^5 + 4^8 & 69234 &:= -6^3 + 9^5 - 2^8 + 3^8 + 4^6 & 69523 &:= -6^4 - 9^3 + 5^7 - 2^4 - 3^8 \\
68394 &:= -6^4 + 8^4 + 3^8 + 9^5 - 4^2 & 69237 &:= -6^6 - 9^2 + 2^9 - 3^7 + 7^6 & 69524 &:= -6^2 - 9^5 + 5^8 + 2^7 - 4^9 \\
68424 &:= -6^3 + 8^4 - 4^5 + 2^5 + 4^8 & 69245 &:= -6^4 - 9^4 + 2^0 - 4^5 + 5^7 & 69538 &:= -6^4 - 9^3 + 5^7 - 3^8 - 8^0 \\
68425 &:= -6^4 + 8^4 + 4^8 + 2^6 + 5^2 & 69273 &:= -6^1 + 9^5 - 2^4 + 7^5 - 3^8 & 69543 &:= -6^3 + 9^5 + 5^5 + 4^5 + 3^8 \\
68427 &:= -6^1 - 8^5 - 4^7 - 2^6 + 7^6 & 69275 &:= -6^5 - 9^3 - 2^1 - 7^3 + 5^7 & 69544 &:= -6^1 - 9^2 - 5^0 + 4^6 + 4^8 \\
68435 &:= -6^3 - 8^0 + 4^8 - 3^2 + 5^5 & 69279 &:= -6^6 - 9^3 - 2^8 + 7^6 - 9^3 & 69548 &:= -6^5 - 9^3 + 5^7 - 4^3 - 8^1 \\
68445 &:= -6^3 + 8^0 - 4^0 + 4^8 + 5^5 & 69297 &:= -6^1 - 9^4 + 2^3 + 9^5 + 7^5 & 69562 &:= -6^5 - 9^3 + 5^7 + 6^1 - 2^6 \\
68445 &:= -6^3 - 8^0 + 4^0 + 4^8 + 5^5 & 69325 &:= -6^2 - 9^4 - 3^7 - 2^4 + 5^7 & 69564 &:= -6^2 + 9^4 - 5^0 + 6^6 + 4^7 \\
68447 &:= -6^1 + 8^3 + 4^1 + 4^8 + 7^4 & 69327 &:= -6^6 + 9^1 - 3^7 + 2^9 + 7^6 & 69570 &:= -6^5 - 9^3 + 5^7 - 7^2 - 0^0 \\
68452 &:= -6^3 - 8^0 + 4^8 + 5^5 + 2^3 & 69343 &:= -6^4 - 9^3 - 3^6 + 4^8 + 3^8 & 69572 &:= -6^5 - 9^3 + 5^7 - 7^2 + 2^0 \\
68453 &:= -6^3 - 8^0 + 4^8 + 5^5 + 3^2 & 69344 &:= -6^2 - 9^1 - 3^5 + 4^6 + 4^8 & 69583 &:= -6^5 - 9^3 + 5^7 - 8^2 + 3^3 \\
68454 &:= -6^3 + 8^1 + 4^0 + 5^5 + 4^8 & 69345 &:= -6^1 - 9^5 - 3^4 - 4^9 + 5^8 & 69615 &:= -6^1 - 9^3 - 6^5 + 1^0 + 5^7 \\
68467 &:= -6^2 - 8^5 - 4^7 + 6^1 + 7^6 & 69347 &:= -6^5 + 9^5 + 3^5 + 4^5 + 7^5 & 69617 &:= -6^4 - 9^2 - 6^6 + 1^0 + 7^6 \\
68534 &:= -6^2 - 8^2 + 5^5 - 3^3 + 4^8 & 69348 &:= -6^2 + 9^5 - 3^8 + 4^7 + 8^3 & 69625 &:= -6^5 - 9^3 + 6^0 + 2^2 + 5^7 \\
68543 &:= -6^2 - 8^0 + 5^5 + 4^8 - 3^4 & 69365 &:= -6^1 - 9^4 - 3^7 - 6^1 + 5^7 & 69633 &:= -6^4 + 9^5 - 6^5 + 3^9 - 3^3 \\
68557 &:= -6^6 + 8^2 - 5^5 + 5^4 + 7^6 & 69367 &:= -6^5 + 9^5 - 3^2 + 6^4 + 7^5 & 69634 &:= -6^2 + 9^5 - 6^2 + 3^8 + 4^6 \\
68573 &:= -6^4 - 8^4 + 5^7 + 7^4 - 3^8 & 69384 &:= -6^1 + 9^0 - 3^5 + 8^4 + 4^8 & 69635 &:= -6^4 + 9^5 - 6^5 + 3^9 - 5^2 \\
68576 &:= -6^1 - 8^3 + 5^7 - 7^5 + 6^5 & 69385 &:= -6^5 - 9^3 - 3^5 + 8^1 + 5^7 & 69652 &:= -6^5 - 9^3 + 6^2 + 5^7 - 2^2 \\
68597 &:= -6^5 + 8^3 + 5^1 + 9^5 + 7^5 & 69408 &:= -6^3 - 9^1 + 4^8 + 0^0 + 8^4 & 69653 &:= -6^3 + 9^5 + 6^5 + 5^5 - 3^4 \\
68649 &:= -6^4 - 8^4 + 6^5 + 4^8 + 9^3 & 69414 &:= -6^3 - 9^0 + 4^6 - 1^0 + 4^8 & 69655 &:= -6^5 - 9^3 + 6^2 - 5^0 + 5^7 \\
68674 &:= -6^4 + 8^0 - 6^6 + 7^6 - 4^5 & 69418 &:= -6^3 + 9^0 + 4^8 + 1^0 + 8^4 & 69657 &:= -6^5 - 9^3 + 6^2 + 5^7 + 7^0 \\
68733 &:= -6^6 - 8^2 + 7^6 - 3^2 - 3^7 & 69425 &:= -6^1 - 9^5 - 4^9 - 2^0 + 5^8 & 69672 &:= -6^4 - 9^1 - 6^6 + 7^6 - 2^4 \\
68734 &:= -6^1 - 8^5 + 7^6 + 3^5 - 4^7 & 69434 &:= -6^2 - 9^2 + 4^6 - 3^4 + 4^8 & 69674 &:= -6^4 + 9^5 + 6^5 + 7^2 + 4^6 \\
68735 &:= -6^5 - 8^4 + 7^4 + 3^4 + 5^7 & 69435 &:= -6^1 - 9^4 + 4^3 - 3^7 + 5^7 & 69675 &:= -6^5 - 9^3 + 6^1 + 7^2 + 5^7 \\
68736 &:= -6^1 - 8^2 + 7^6 - 3^7 - 6^6 & 69452 &:= -6^5 - 9^0 - 4^5 + 5^7 + 2^7 & 69679 &:= -6^4 - 9^1 - 6^6 + 7^6 - 9^1 \\
68737 &:= -6^6 + 8^2 - 7^4 + 3^4 + 7^6 & 69453 &:= -6^1 - 9^5 - 4^9 + 5^8 + 3^3 & 69685 &:= -6^5 - 9^3 + 6^0 + 8^2 + 5^7 \\
68743 &:= -6^6 - 8^2 + 7^6 + 4^0 - 3^7 & 69474 &:= -6^3 + 9^1 + 4^6 + 7^2 + 4^8 & 69687 &:= -6^4 - 9^1 - 6^6 - 8^0 + 7^6 \\
68744 &:= -6^3 - 8^0 + 7^4 + 4^5 + 4^8 & 69475 &:= -6^1 - 9^5 - 4^9 + 7^2 + 5^8 & 69694 &:= -6^1 + 9^4 - 6^1 + 9^5 + 4^6 \\
68777 &:= -6^1 + 8^5 + 7^4 + 7^5 + 7^5 & 69476 &:= -6^1 + 9^5 + 4^4 + 7^4 + 6^5 & 69695 &:= -6^1 - 9^3 - 6^5 + 9^2 + 5^7
\end{aligned}$$

$$\begin{aligned}
69697 &:= -6^4 - 9^0 - 6^6 + 9^0 + 7^6 \\
69706 &:= -6^4 + 9^1 + 7^6 + 0^1 - 6^6 \\
69724 &:= -6^2 + 9^4 - 7^4 + 2^6 + 4^8 \\
69743 &:= -6^3 + 9^4 + 7^2 + 4^8 - 3^7 \\
69746 &:= -6^3 + 9^3 + 7^4 + 4^8 + 6^4 \\
69748 &:= -6^6 - 9^3 + 7^6 - 4^1 - 8^3 \\
69749 &:= -6^1 + 9^4 + 7^2 + 4^6 + 9^5 \\
69762 &:= -6^1 + 9^4 + 7^5 + 6^6 - 2^8 \\
69769 &:= -6^4 - 9^1 + 7^6 - 6^6 + 9^2 \\
69785 &:= -6^2 - 9^5 - 7^6 + 8^6 - 5^6 \\
69786 &:= -6^4 + 9^2 + 7^6 + 8^1 - 6^6 \\
69835 &:= -6^5 - 9^0 - 8^3 - 3^0 + 5^7 \\
69843 &:= -6^5 + 9^5 - 8^0 + 4^7 + 3^7 \\
69852 &:= -6^5 - 9^0 - 8^3 + 5^7 + 2^4 \\
69853 &:= -6^2 - 9^4 + 8^3 + 5^7 - 3^7 \\
69854 &:= -6^5 + 9^0 - 8^3 + 5^7 + 4^2 \\
69895 &:= -6^5 - 9^5 - 8^4 + 9^6 - 5^8 \\
69927 &:= -6^6 - 9^2 - 9^3 - 2^8 + 7^6 \\
69943 &:= -6^1 + 9^4 + 9^5 + 4^6 + 3^5 \\
69945 &:= -6^3 - 9^5 + 9^3 - 4^9 + 5^8 \\
69967 &:= -6^3 - 9^2 - 9^3 - 6^6 + 7^6 \\
70386 &:= -7^2 + 0^1 + 3^9 + 8^4 + 6^6 \\
70595 &:= -7^3 - 0^0 - 5^4 - 9^4 + 5^7 \\
70675 &:= -7^3 + 0^1 - 6^6 + 7^6 + 5^2 \\
70846 &:= -7^4 - 0^0 - 8^2 + 4^8 + 6^5 \\
70855 &:= -7^2 + 0^1 - 8^4 - 5^5 + 5^7 \\
70976 &:= -7^1 - 0^0 - 9^1 + 7^6 - 6^6 \\
71243 &:= -7^3 + 1^0 - 2^9 + 4^8 + 3^8 \\
71513 &:= -7^2 - 1^0 + 5^7 - 1^0 - 3^8 \\
71553 &:= -7^1 + 1^0 - 5^1 + 5^7 - 3^8 \\
71559 &:= -7^1 + 1^0 + 5^0 + 5^7 - 9^4 \\
71578 &:= -7^2 - 1^0 + 5^7 - 7^4 - 8^4 \\
72043 &:= -7^2 - 2^2 - 0^0 + 4^8 + 3^8 \\
72049 &:= -7^2 + 2^0 + 0^1 + 4^8 + 9^4 \\
72094 &:= -7^1 + 2^2 + 0^1 + 9^4 + 4^8 \\
72234 &:= -7^1 + 2^4 + 2^7 + 3^8 + 4^8 \\
72259 &:= -7^4 + 2^1 - 2^4 + 5^6 + 9^5 \\
72304 &:= -7^2 + 2^8 + 3^8 + 0^1 + 4^8 \\
72325 &:= -7^1 + 2^8 - 3^8 + 2^9 + 5^7 \\
72334 &:= -7^1 + 2^0 + 3^5 + 3^8 + 4^8 \\
72342 &:= -7^1 - 2^2 + 3^8 + 4^8 + 2^8 \\
72343 &:= -7^1 + 2^8 - 3^1 + 4^8 + 3^8 \\
72344 &:= -7^1 - 2^1 + 3^8 + 4^4 + 4^8 \\
72345 &:= -7^1 + 2^8 + 3^8 + 4^8 - 5^0 \\
72347 &:= -7^1 + 2^8 + 3^8 + 4^8 + 7^0 \\
72349 &:= -7^1 + 2^4 + 3^5 + 4^8 + 9^4 \\
72355 &:= -7^4 - 2^0 - 3^5 - 5^5 + 5^7 \\
72358 &:= -7^4 + 2^0 + 3^6 + 5^7 - 8^4 \\
72383 &:= -7^1 + 2^8 + 3^9 + 8^5 + 3^9 \\
72432 &:= -7^2 + 2^7 + 4^8 + 3^8 + 2^8 \\
72435 &:= -7^2 + 2^9 + 4^8 + 3^8 - 5^3 \\
72437 &:= -7^1 + 2^2 + 4^8 + 3^8 + 7^3 \\
72439 &:= -7^4 - 2^9 + 4^7 - 3^4 + 9^5 \\
72453 &:= -7^1 - 2^7 + 4^5 + 5^7 - 3^8 \\
72455 &:= -7^4 - 2^7 - 4^2 - 5^5 + 5^7 \\
72456 &:= -7^3 - 2^9 + 4^8 - 5^0 + 6^5 \\
72459 &:= -7^1 - 2^8 + 4^8 + 5^4 + 9^4 \\
72493 &:= -7^4 - 2^9 + 4^7 + 9^5 - 3^3 \\
72495 &:= -7^4 - 2^9 + 4^7 + 9^5 - 5^2 \\
72497 &:= -7^1 + 2^6 + 4^8 + 9^4 + 7^3 \\
72499 &:= -7^3 + 2^4 + 4^8 + 9^3 + 9^4 \\
72529 &:= -7^4 + 2^7 + 5^6 + 2^7 + 9^5 \\
72543 &:= -7^2 + 2^2 + 5^7 + 4^5 - 3^8 \\
72549 &:= -7^1 - 2^5 + 5^7 + 4^5 - 9^4 \\
72687 &:= -7^4 - 2^0 - 6^6 + 8^4 + 7^6 \\
72855 &:= -7^4 - 2^8 + 8^3 - 5^5 + 5^7 \\
72875 &:= -7^4 - 2^9 + 8^2 - 7^4 + 5^7 \\
72879 &:= -7^4 - 2^6 - 8^3 + 7^5 + 9^5 \\
72896 &:= -7^2 + 2^3 - 8^5 + 9^5 + 6^6 \\
72904 &:= -7^4 - 2^7 + 9^5 + 0^1 + 4^7 \\
72927 &:= -7^4 - 2^4 + 9^5 - 2^9 + 7^5 \\
72943 &:= -7^4 - 2^3 + 9^5 + 4^7 - 3^4 \\
72944 &:= -7^2 - 2^7 + 9^4 + 4^5 + 4^8 \\
72946 &:= -7^3 - 2^5 + 9^1 + 4^8 + 6^5 \\
72947 &:= -7^4 - 2^9 + 9^5 + 4^1 + 7^5 \\
72949 &:= -7^4 - 2^1 - 9^2 + 4^7 + 9^5 \\
72958 &:= -7^3 + 2^0 - 9^3 + 5^7 - 8^4 \\
72964 &:= -7^3 - 2^2 - 9^0 + 6^5 + 4^8 \\
73025 &:= -7^4 - 3^7 + 0^1 - 2^9 + 5^7 \\
73246 &:= -7^1 - 3^3 - 2^5 + 4^8 + 6^5 \\
73249 &:= -7^4 + 3^6 - 2^9 + 4^7 + 9^5 \\
73258 &:= -7^4 - 3^8 - 2^0 + 5^7 + 8^4 \\
73264 &:= -7^1 - 3^2 - 2^5 + 6^5 + 4^8 \\
73285 &:= -7^1 - 3^6 - 2^3 - 8^4 + 5^7 \\
73355 &:= -7^4 + 3^3 + 3^6 + 5^7 - 5^5 \\
73358 &:= -7^4 - 3^5 - 3^7 + 5^7 + 8^2 \\
73359 &:= -7^3 - 3^5 - 3^6 + 5^6 + 9^5 \\
73425 &:= -7^4 - 3^7 + 4^2 - 2^7 + 5^7 \\
73520 &:= -7^4 - 3^7 + 5^7 - 2^4 - 0^0 \\
73522 &:= -7^4 - 3^7 + 5^7 + 2^0 - 2^4 \\
73528 &:= -7^4 - 3^7 + 5^7 - 2^0 - 8^1 \\
73529 &:= -7^4 - 3^7 + 5^7 + 2^0 - 9^1 \\
73532 &:= -7^4 - 3^0 + 5^7 - 3^7 - 2^2 \\
73533 &:= -7^4 - 3^0 + 5^7 - 3^1 - 3^7 \\
73534 &:= -7^4 - 3^7 + 5^7 + 3^0 - 4^1 \\
73535 &:= -7^1 - 3^6 - 5^5 - 3^6 + 5^7 \\
73537 &:= -7^4 - 3^0 + 5^7 - 3^7 + 7^0 \\
73538 &:= -7^4 - 3^7 + 5^7 + 3^2 - 8^1 \\
73539 &:= -7^4 - 3^7 + 5^7 + 3^0 + 9^0 \\
73540 &:= -7^4 - 3^7 + 5^7 + 4^1 - 0^0 \\
73542 &:= -7^4 - 3^7 + 5^7 + 4^0 + 2^2 \\
73552 &:= -7^4 - 3^7 - 5^0 + 5^7 + 2^4 \\
73553 &:= -7^4 - 3^2 + 5^2 + 5^7 - 3^7 \\
73554 &:= -7^4 - 3^7 + 5^0 + 5^7 + 4^2 \\
73556 &:= -7^4 - 3^7 + 5^2 + 5^7 - 6^1 \\
73558 &:= -7^3 - 3^1 - 5^3 + 5^7 - 8^4 \\
73563 &:= -7^4 - 3^7 + 5^7 - 6^0 + 3^3 \\
73567 &:= -7^4 + 3^5 + 5^7 + 6^0 - 7^4 \\
73578 &:= -7^4 - 3^7 + 5^7 + 7^2 - 8^1 \\
73579 &:= -7^4 - 3^0 + 5^3 + 7^5 + 9^5 \\
73587 &:= -7^4 - 3^7 + 5^7 + 8^0 + 7^2 \\
73592 &:= -7^4 - 3^7 + 5^7 - 9^1 + 2^6 \\
73593 &:= -7^3 - 3^2 + 5^6 + 9^5 - 3^6 \\
73596 &:= -7^3 - 3^6 + 5^6 + 9^5 - 6^1 \\
73599 &:= -7^3 - 3^1 + 5^6 - 9^3 + 9^5 \\
73625 &:= -7^4 - 3^7 + 6^3 - 2^7 + 5^7 \\
73626 &:= -7^1 - 3^9 + 6^6 + 2^2 + 6^6 \\
73642 &:= -7^1 + 3^4 + 6^5 + 4^8 + 2^8 \\
73645 &:= -7^2 - 3^5 + 6^5 + 4^8 + 5^4 \\
73647 &:= -7^1 - 3^0 + 6^5 + 4^8 + 7^3 \\
73648 &:= -7^2 + 3^8 + 6^6 + 4^7 + 8^4 \\
73658 &:= -7^3 - 3^3 - 6^0 + 5^7 - 8^4
\end{aligned}$$

$73686 := -7^1 - 3^9 + 6^6 + 8^2 + 6^6$	$74525 := -7^3 - 4^1 - 5^5 - 2^7 + 5^7$	$75208 := -7^4 + 5^7 - 2^2 + 0^1 - 8^3$
$73697 := -7^4 + 3^5 - 6^0 + 9^5 + 7^5$	$74527 := -7^1 - 4^6 + 5^7 + 2^9 - 7^1$	$75212 := -7^4 + 5^7 - 2^0 + 1^0 - 2^9$
$73752 := -7^4 - 3^7 + 7^3 + 5^7 - 2^7$	$74529 := -7^2 - 4^3 + 5^6 - 2^5 + 9^5$	$75214 := -7^4 + 5^7 - 2^9 + 1^0 + 4^0$
$73755 := -7^4 - 3^7 + 7^3 - 5^3 + 5^7$	$74585 := -7^3 - 4^3 - 5^5 - 8^1 + 5^7$	$75220 := -7^4 + 5^7 - 2^9 + 2^3 + 0^1$
$73756 := -7^2 + 3^7 + 7^6 + 5^4 - 6^6$	$74587 := -7^2 - 4^5 + 5^7 - 8^2 - 7^4$	$75221 := -7^4 + 5^7 - 2^9 + 2^3 + 1^0$
$73792 := -7^4 + 3^4 + 7^5 + 9^5 + 2^8$	$74592 := -7^2 - 4^0 + 5^6 + 9^5 - 2^5$	$75222 := -7^4 + 5^7 + 2^1 + 2^3 - 2^9$
$73797 := -7^4 - 3^0 + 7^3 + 9^5 + 7^5$	$74652 := -7^2 + 4^6 - 6^5 + 5^7 + 2^8$	$75223 := -7^4 + 5^7 - 2^9 + 2^1 + 3^2$
$73824 := -7^4 + 3^8 + 8^4 + 2^5 + 4^8$	$74655 := -7^3 - 4^0 - 6^0 - 5^5 + 5^7$	$75224 := -7^4 + 5^7 - 2^9 + 2^3 + 4^1$
$73825 := -7^2 - 3^3 - 8^4 - 2^7 + 5^7$	$74657 := -7^1 - 4^5 - 6^2 + 5^7 - 7^4$	$75225 := -7^4 + 5^1 - 2^9 + 2^3 + 5^7$
$73849 := -7^3 - 3^6 - 8^3 + 4^7 + 9^5$	$74658 := -7^4 + 4^8 - 6^1 + 5^6 - 8^4$	$75226 := -7^4 + 5^7 - 2^9 + 2^3 + 6^1$
$73895 := -7^2 - 3^6 - 8^0 + 9^5 + 5^6$	$74659 := -7^1 + 4^8 + 6^5 + 5^4 + 9^3$	$75227 := -7^2 + 5^7 - 2^9 + 2^6 - 7^4$
$73935 := -7^1 - 3^1 + 9^5 - 3^6 + 5^6$	$74665 := -7^4 - 4^5 + 6^0 - 6^2 + 5^7$	$75228 := -7^4 + 5^7 + 2^3 + 2^3 - 8^3$
$73940 := -7^3 + 3^7 + 9^4 + 4^8 - 0^0$	$74685 := -7^4 + 4^4 - 6^4 + 8^0 + 5^7$	$75229 := -7^4 + 5^7 - 2^9 + 2^3 + 9^1$
$73942 := -7^3 + 3^7 + 9^4 + 4^8 + 2^0$	$74695 := -7^1 + 4^3 - 6^2 + 9^5 + 5^6$	$75235 := -7^1 - 5^5 - 2^0 + 3^5 + 5^7$
$73954 := -7^1 - 3^6 + 9^5 + 5^6 + 4^2$	$74698 := -7^1 + 4^7 - 6^3 + 9^5 - 8^3$	$75238 := -7^4 + 5^7 - 2^0 + 3^3 - 8^3$
$73955 := -7^3 + 3^3 - 9^3 + 5^7 - 5^5$	$74725 := -7^1 - 4^5 - 7^4 + 2^5 + 5^7$	$75239 := -7^4 + 5^7 + 2^0 + 3^5 - 9^3$
$73957 := -7^1 - 3^0 - 9^4 + 5^7 + 7^4$	$74745 := -7^4 - 4^1 + 7^2 - 4^5 + 5^7$	$75243 := -7^4 + 5^7 - 2^3 + 4^4 - 3^6$
$73975 := -7^1 - 3^5 - 9^5 + 7^6 + 5^6$	$74750 := -7^4 - 4^5 + 7^2 + 5^7 + 0^0$	$75244 := -7^4 + 5^7 - 2^9 + 4^2 + 4^2$
$74025 := -7^1 - 4^6 + 0^0 + 2^1 + 5^7$	$74755 := -7^3 - 4^0 - 7^4 - 5^4 + 5^7$	$75245 := -7^1 - 5^5 - 2^2 + 4^4 + 5^7$
$74045 := -7^2 - 4^6 + 0^0 + 4^3 + 5^7$	$74858 := -7^6 - 4^8 - 8^4 - 5^1 + 8^6$	$75248 := -7^4 + 5^7 + 2^5 + 4^1 - 8^3$
$74085 := -7^1 - 4^6 - 0^0 + 8^2 + 5^7$	$74859 := -7^1 + 4^4 - 8^2 + 5^6 + 9^5$	$75249 := -7^4 + 5^7 - 2^1 + 4^4 - 9^3$
$74233 := -7^2 + 4^8 - 2^1 + 3^7 + 3^8$	$74864 := -7^6 - 4^6 + 8^6 + 6^0 - 4^8$	$75250 := -7^1 - 5^5 + 2^8 + 5^7 + 0^0$
$74235 := -7^2 - 4^6 + 2^8 - 3^0 + 5^7$	$74879 := -7^2 + 4^7 - 8^3 + 7^1 + 9^5$	$75257 := -7^3 - 5^3 + 2^0 + 5^7 - 7^4$
$74239 := -7^2 + 4^8 + 2^2 + 3^7 + 9^4$	$74897 := -7^2 - 4^3 + 8^5 + 9^5 - 7^5$	$75264 := -7^4 + 5^7 - 2^9 + 6^2 + 4^2$
$74252 := -7^2 - 4^6 + 2^4 + 5^7 + 2^8$	$74922 := -7^1 + 4^7 + 9^5 + 2^3 - 2^9$	$75267 := -7^4 + 5^7 - 2^9 + 6^1 + 7^2$
$74253 := -7^3 + 4^8 - 2^2 + 5^6 - 3^8$	$74925 := -7^1 + 4^4 + 9^5 + 2^1 + 5^6$	$75268 := -7^2 + 5^7 - 2^3 + 6^4 - 8^4$
$74259 := -7^3 - 4^3 - 2^3 + 5^6 + 9^5$	$74944 := -7^6 - 4^6 + 9^2 - 4^8 + 4^9$	$75284 := -7^4 + 5^7 - 2^9 + 8^1 + 4^3$
$74266 := -7^3 + 4^8 + 2^0 + 6^4 + 6^5$	$74945 := -7^2 + 4^3 + 9^5 + 4^4 + 5^6$	$75292 := -7^4 + 5^7 - 2^0 + 9^2 - 2^9$
$74293 := -7^1 + 4^8 + 2^4 + 9^4 + 3^7$	$74955 := -7^3 - 4^0 + 9^5 + 5^4 + 5^6$	$75294 := -7^4 + 5^7 - 2^9 + 9^2 + 4^0$
$74295 := -7^3 - 4^1 - 2^5 + 9^5 + 5^6$	$74968 := -7^2 + 4^6 + 9^5 + 6^5 + 8^4$	$75305 := -7^1 - 5^4 - 3^7 - 0^0 + 5^7$
$74296 := -7^4 + 4^7 - 2^5 + 9^5 + 6^4$	$74976 := -7^1 + 4^7 - 9^5 + 7^6 - 6^0$	$75318 := -7^3 + 5^7 - 3^8 + 1^0 + 8^4$
$74359 := -7^3 + 4^0 + 3^3 + 5^6 + 9^5$	$74978 := -7^1 + 4^7 - 9^5 + 7^6 + 8^0$	$75332 := -7^4 + 5^7 - 3^6 + 3^4 + 2^8$
$74365 := -7^4 - 4^3 + 3^0 - 6^4 + 5^7$	$74982 := -7^5 + 4^1 + 9^5 + 8^5 - 2^5$	$75352 := -7^2 - 5^2 - 3^7 + 5^7 - 2^9$
$74435 := -7^4 - 4^4 - 4^5 - 3^2 + 5^7$	$74986 := -7^3 - 4^6 + 9^0 + 8^5 + 6^6$	$75353 := -7^3 + 5^0 - 3^5 + 5^7 - 3^7$
$74445 := -7^4 - 4^4 + 4^0 - 4^5 + 5^7$	$74987 := -7^1 - 4^2 + 9^5 + 8^5 - 7^5$	$75354 := -7^4 - 5^4 - 3^0 + 5^7 + 4^4$
$74452 := -7^4 - 4^4 - 4^5 + 5^7 + 2^3$	$74995 := -7^4 - 4^0 + 9^0 - 9^3 + 5^7$	$75355 := -7^4 - 5^0 - 3^5 - 5^3 + 5^7$
$74453 := -7^2 - 4^4 - 4^6 + 5^7 + 3^6$	$75025 := -7^1 - 5^5 + 0^1 + 2^5 + 5^7$	$75356 := -7^1 + 5^6 - 3^9 + 5^7 + 6^4$
$74454 := -7^3 - 4^4 + 4^5 + 5^7 - 4^6$	$75058 := -7^1 - 5^5 + 0^0 + 5^7 + 8^2$	$75357 := -7^3 - 5^2 + 3^0 + 5^7 - 7^4$
$74459 := -7^3 + 4^3 + 4^3 + 5^6 + 9^5$	$75094 := -7^3 + 5^1 - 0^0 + 9^5 + 4^7$	$75359 := -7^2 + 5^1 + 3^6 + 5^6 + 9^5$
$74495 := -7^1 - 4^4 - 4^6 + 9^3 + 5^7$	$75203 := -7^4 + 5^7 - 2^9 + 0^1 - 3^2$	$75375 := -7^2 - 5^5 + 3^4 + 7^3 + 5^7$
$74498 := -7^5 - 4^4 - 4^4 + 9^5 + 8^5$	$75206 := -7^4 + 5^7 - 2^9 + 0^1 - 6^1$	$75378 := -7^2 + 5^7 - 3^7 + 7^0 - 8^3$

$75379 := -7^3 - 5^3 - 3^2 + 7^5 + 9^5$	$75573 := -7^4 - 5^3 + 5^7 + 7^0 - 3^3$	$75715 := -7^1 - 5^0 - 7^4 - 1^0 + 5^7$
$75385 := -7^3 - 5^5 + 3^6 - 8^0 + 5^7$	$75575 := -7^2 - 5^3 + 5^2 - 7^4 + 5^7$	$75717 := -7^1 + 5^7 - 7^0 + 1^0 - 7^4$
$75392 := -7^1 + 5^6 + 3^6 + 9^5 - 2^2$	$75582 := -7^4 - 5^3 + 5^7 - 8^0 - 2^4$	$75718 := -7^4 + 5^7 + 7^0 + 1^0 - 8^1$
$75393 := -7^1 + 5^6 - 3^1 + 9^5 + 3^6$	$75584 := -7^4 - 5^3 + 5^7 + 8^0 - 4^2$	$75719 := -7^1 + 5^7 - 7^4 + 1^0 + 9^0$
$75394 := -7^1 - 5^1 - 3^3 + 9^5 + 4^7$	$75589 := -7^4 - 5^3 + 5^7 - 8^0 - 9^1$	$75720 := -7^1 + 5^7 - 7^4 + 2^1 + 0^0$
$75395 := -7^1 - 5^0 + 3^6 + 9^5 + 5^6$	$75590 := -7^4 - 5^3 + 5^7 - 9^1 + 0^1$	$75722 := -7^1 + 5^7 - 7^4 + 2^0 + 2^2$
$75396 := -7^1 + 5^6 + 3^8 + 9^4 + 6^6$	$75591 := -7^4 - 5^3 + 5^7 - 9^1 + 1^0$	$75723 := -7^4 + 5^7 - 7^0 + 2^0 - 3^0$
$75397 := -7^1 + 5^6 + 3^6 + 9^5 + 7^0$	$75592 := -7^4 - 5^1 + 5^7 + 9^0 - 2^7$	$75724 := -7^1 + 5^7 - 7^4 + 2^3 - 4^0$
$75398 := -7^3 + 5^7 - 3^8 + 9^2 + 8^4$	$75593 := -7^3 - 5^0 + 5^7 - 9^0 - 3^7$	$75725 := -7^4 + 5^0 - 7^0 + 2^0 + 5^7$
$75399 := -7^1 + 5^6 + 3^1 + 9^3 + 9^5$	$75594 := -7^4 - 5^3 + 5^7 - 9^0 - 4^1$	$75725 := -7^4 - 5^0 + 7^0 + 2^0 + 5^7$
$75404 := -7^4 + 5^7 - 4^3 + 0^1 - 4^4$	$75595 := -7^4 - 5^1 - 5^3 + 9^0 + 5^7$	$75726 := -7^1 + 5^7 - 7^4 + 2^3 + 6^0$
$75409 := -7^2 + 5^2 + 4^7 + 0^1 + 9^5$	$75596 := -7^4 - 5^3 + 5^7 - 9^1 + 6^1$	$75727 := -7^4 + 5^7 + 7^0 + 2^0 + 7^0$
$75425 := -7^3 - 5^5 + 4^4 + 2^9 + 5^7$	$75597 := -7^4 - 5^3 + 5^7 - 9^0 - 7^0$	$75728 := -7^4 + 5^7 + 7^0 + 2^1 + 8^0$
$75427 := -7^2 + 5^7 - 4^4 + 2^3 - 7^4$	$75598 := -7^4 - 5^3 + 5^7 - 9^1 + 8^1$	$75731 := -7^4 + 5^7 - 7^0 + 3^2 - 1^0$
$75429 := -7^1 + 5^0 + 4^7 + 2^1 + 9^5$	$75599 := -7^2 - 5^5 + 5^7 - 9^2 + 9^3$	$75732 := -7^4 + 5^7 - 7^0 + 3^0 + 2^3$
$75430 := -7^4 + 5^7 - 4^5 + 3^6 + 0^0$	$75602 := -7^4 + 5^7 + 6^1 + 0^1 - 2^7$	$75733 := -7^4 + 5^7 - 7^0 + 3^0 + 3^2$
$75445 := -7^1 - 5^4 - 4^5 - 4^5 + 5^7$	$75605 := -7^4 - 5^3 + 6^1 + 0^1 + 5^7$	$75734 := -7^1 + 5^7 - 7^4 + 3^0 + 4^2$
$75448 := -7^4 + 5^2 + 4^7 + 4^8 - 8^4$	$75622 := -7^4 + 5^7 - 6^1 + 2^5 - 2^7$	$75735 := -7^4 + 5^0 + 7^0 + 3^2 + 5^7$
$75449 := -7^2 + 5^0 + 4^3 + 4^7 + 9^5$	$75623 := -7^3 + 5^7 - 6^2 + 2^6 - 3^7$	$75737 := -7^1 + 5^7 - 7^1 + 3^3 - 7^4$
$75465 := -7^1 - 5^5 + 4^4 + 6^3 + 5^7$	$75625 := -7^4 - 5^3 - 6^1 + 2^5 + 5^7$	$75739 := -7^1 + 5^6 + 7^3 + 3^6 + 9^5$
$75467 := -7^1 + 5^7 - 4^4 + 6^1 - 7^4$	$75628 := -7^4 + 5^7 - 6^2 + 2^2 - 8^2$	$75740 := -7^2 + 5^7 - 7^4 + 4^3 + 0^0$
$75468 := -7^4 + 5^7 - 4^4 + 6^0 - 8^0$	$75629 := -7^3 + 5^6 + 6^4 + 2^1 + 9^5$	$75742 := -7^4 + 5^7 + 7^0 + 4^0 + 2^4$
$75470 := -7^4 + 5^7 - 4^4 + 7^0 + 0^0$	$75643 := -7^4 + 5^7 - 6^0 + 4^0 - 3^4$	$75746 := -7^4 + 5^7 + 7^1 + 4^2 - 6^0$
$75474 := -7^4 + 5^7 - 4^0 + 7^1 - 4^4$	$75645 := -7^3 - 5^5 - 6^2 + 4^5 + 5^7$	$75748 := -7^4 + 5^7 + 7^1 + 4^2 + 8^0$
$75476 := -7^4 + 5^7 - 4^4 + 7^1 + 6^0$	$75654 := -7^4 - 5^1 - 6^0 + 5^7 - 4^3$	$75750 := -7^4 + 5^2 + 7^0 + 5^7 + 0^1$
$75483 := -7^4 + 5^7 + 4^0 + 8^0 - 3^5$	$75658 := -7^4 - 5^0 - 6^0 + 5^7 - 8^2$	$75751 := -7^4 + 5^2 + 7^0 + 5^7 + 1^0$
$75488 := -7^6 + 5^4 - 4^8 + 8^6 - 8^4$	$75662 := -7^4 + 5^7 + 6^0 + 6^0 - 2^6$	$75752 := -7^4 - 5^1 + 7^0 + 5^7 + 2^5$
$75489 := -7^1 - 5^0 + 4^7 + 8^2 + 9^5$	$75675 := -7^2 - 5^0 + 6^0 - 7^4 + 5^7$	$75753 := -7^4 + 5^0 + 7^0 + 5^7 + 3^3$
$75506 := -7^4 - 5^0 + 5^7 - 0^0 - 6^3$	$75677 := -7^2 + 5^7 + 6^0 + 7^0 - 7^4$	$75754 := -7^4 + 5^2 + 7^0 + 5^7 + 4^1$
$75507 := -7^3 + 5^3 + 5^7 + 0^0 - 7^4$	$75685 := -7^1 - 5^4 - 6^4 - 8^3 + 5^7$	$75755 := -7^4 - 5^0 + 7^1 + 5^2 + 5^7$
$75519 := -7^4 - 5^3 + 5^7 + 1^0 - 9^2$	$75688 := -7^4 + 5^7 - 6^2 + 8^0 - 8^0$	$75756 := -7^4 - 5^1 + 7^0 + 5^7 + 6^2$
$75532 := -7^1 - 5^5 + 5^7 + 3^3 + 2^9$	$75689 := -7^1 + 5^7 + 6^2 + 8^4 - 9^4$	$75757 := -7^4 + 5^2 + 7^0 + 5^7 + 7^1$
$75533 := -7^4 + 5^2 + 5^7 + 3^3 - 3^5$	$75690 := -7^4 + 5^7 - 6^2 + 9^0 + 0^0$	$75758 := -7^4 + 5^2 + 7^0 + 5^7 + 8^1$
$75534 := -7^3 - 5^3 + 5^7 - 3^7 + 4^3$	$75692 := -7^4 + 5^7 - 6^0 + 9^0 - 2^5$	$75759 := -7^4 - 5^1 + 7^2 + 5^7 - 9^1$
$75536 := -7^4 + 5^0 + 5^7 + 3^3 - 6^3$	$75696 := -7^4 + 5^7 - 6^0 + 9^1 - 6^2$	$75760 := -7^4 + 5^7 + 7^0 + 6^2 - 0^0$
$75537 := -7^2 - 5^5 + 5^7 + 3^5 + 7^3$	$75698 := -7^4 + 5^7 - 6^2 + 9^1 + 8^0$	$75760 := -7^4 + 5^7 - 7^0 + 6^2 + 0^0$
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$75554 := -7^1 + 5^4 - 5^5 + 5^7 - 4^3$	$75703 := -7^2 + 5^7 - 7^4 + 0^0 + 3^3$	$75766 := -7^4 + 5^7 + 7^1 + 6^2 - 6^0$
$75562 := -7^4 - 5^3 + 5^7 - 6^2 - 2^0$	$75705 := -7^4 - 5^2 + 7^1 - 0^0 + 5^7$	$75767 := -7^1 + 5^7 + 7^2 + 6^0 - 7^4$
$75564 := -7^4 - 5^3 + 5^7 - 6^2 + 4^0$	$75709 := -7^1 + 5^7 - 7^4 + 0^0 - 9^1$	$75768 := -7^4 + 5^7 + 7^1 + 6^2 + 8^0$
$75572 := -7^4 - 5^2 + 5^7 + 7^0 - 2^7$	$75714 := -7^1 + 5^7 - 7^4 + 1^0 - 4^1$	$75771 := -7^4 + 5^7 - 7^0 + 7^2 - 1^0$

$75772 := -7^4 + 5^7 + 7^0 + 7^2 - 2^1$	$75854 := -7^4 + 5^3 + 8^0 + 5^7 + 4^1$	$76293 := -7^4 - 6^1 - 2^5 + 9^5 + 3^9$
$75773 := -7^4 + 5^7 + 7^0 + 7^2 - 3^0$	$75855 := -7^4 + 5^1 + 8^0 + 5^3 + 5^7$	$76297 := -7^3 + 6^4 - 2^9 + 9^5 + 7^5$
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$75779 := -7^4 + 5^7 + 7^1 + 7^2 - 9^0$	$75858 := -7^4 + 5^3 + 8^0 + 5^7 + 8^1$	$76326 := -7^5 + 6^6 - 3^5 + 2^6 + 6^6$
$75780 := -7^1 + 5^7 - 7^4 + 8^2 - 0^0$	$75859 := -7^4 + 5^3 + 8^0 + 5^7 + 9^1$	$76329 := -7^4 - 6^0 + 3^9 - 2^0 + 9^5$
$75782 := -7^1 + 5^7 - 7^4 + 8^0 + 2^6$	$75868 := -7^4 + 5^7 - 8^1 + 6^3 - 8^2$	$76339 := -7^4 - 6^0 + 3^2 + 3^9 + 9^5$
$75783 := -7^4 + 5^7 + 7^2 + 8^0 + 3^2$	$75869 := -7^1 + 5^7 + 8^4 + 6^3 - 9^4$	$76345 := -7^4 + 6^6 + 3^4 + 4^7 + 5^6$
$75786 := -7^4 + 5^7 - 7^0 + 8^2 - 6^0$	$75886 := -7^4 - 5^4 - 8^3 + 8^5 + 6^6$	$76367 := -7^4 - 6^6 - 3^0 + 6^5 + 7^6$
$75788 := -7^4 + 5^7 - 7^0 + 8^0 + 8^2$	$75923 := -7^1 + 5^7 - 9^1 + 2^0 - 3^7$	$76379 := -7^4 - 6^0 + 3^9 + 7^2 + 9^5$
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$75793 := -7^1 + 5^2 + 7^5 + 9^5 - 3^4$	$75933 := -7^1 + 5^7 + 9^0 + 3^0 - 3^7$	$76389 := -7^4 - 6^1 + 3^9 + 8^2 + 9^5$
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$75823 := -7^4 + 5^7 + 8^1 + 2^6 + 3^3$	$75964 := -7^1 + 5^6 + 9^5 + 6^4 + 4^0$	$76494 := -7^3 + 6^7 - 4^1 + 9^5 - 4^9$
$75824 := -7^4 + 5^7 + 8^2 + 2^5 + 4^1$	$75972 := -7^1 - 5^1 + 9^5 + 7^5 + 2^7$	$76497 := -7^3 + 6^7 - 4^9 + 9^5 - 7^0$
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$76546 := -7^5 + 6^6 + 5^2 + 4^2 + 6^6$	$76986 := -7^4 - 6^2 - 9^0 + 8^5 + 6^6$	$77552 := -7^1 - 7^2 - 5^1 + 5^7 - 2^9$
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$76852 := -7^2 - 6^4 + 8^1 + 5^7 + 2^6$	$77502 := -7^3 - 7^3 + 5^7 - 0^0 + 2^6$	$77825 := -7^3 + 7^2 - 8^1 + 2^1 + 5^7$
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$76925 := -7^2 - 6^4 + 9^2 + 2^6 + 5^7$	$77533 := -7^1 - 7^3 + 5^7 + 3^0 - 3^5$	$77932 := -7^3 + 7^6 - 9^5 + 3^9 - 2^3$
$76945 := -7^2 + 6^4 + 9^5 + 4^5 + 5^6$	$77534 := -7^3 - 7^0 + 5^7 + 3^2 - 4^4$	$77935 := -7^3 + 7^6 - 9^5 + 3^9 - 5^1$
$76982 := -7^4 + 6^6 - 9^1 + 8^5 - 2^5$	$77537 := -7^3 - 7^0 + 5^7 - 3^5 - 7^0$	$77939 := -7^3 + 7^6 - 9^0 + 3^9 - 9^5$
$76984 := -7^3 + 6^5 - 9^2 + 8^4 + 4^8$	$77539 := -7^3 - 7^0 + 5^7 - 3^5 + 9^0$	$77945 := -7^2 - 7^2 - 9^2 - 4^0 + 5^7$

$77952 := -7^3 - 7^3 + 9^0 + 5^7 + 2^9$	$78325 := -7^2 - 8^1 + 3^0 + 2^8 + 5^7$	$78513 := -7^3 + 8^0 + 5^7 + 1^0 + 3^6$
$77954 := -7^2 - 7^2 - 9^1 + 5^7 - 4^3$	$78329 := -7^3 - 8^2 + 3^9 + 2^2 + 9^5$	$78522 := -7^2 - 8^2 + 5^7 - 2^1 + 2^9$
$77955 := -7^3 + 7^2 - 9^0 + 5^3 + 5^7$	$78335 := -7^1 + 8^0 - 3^3 + 3^5 + 5^7$	$78523 := -7^2 - 8^2 + 5^7 + 2^9 - 3^0$
$77958 := -7^1 + 7^3 + 9^1 + 5^7 - 8^3$	$78342 := -7^3 + 8^5 - 3^9 + 4^8 + 2^6$	$78524 := -7^2 + 8^2 + 5^7 + 2^7 + 4^4$
$77978 := -7^3 + 7^0 - 9^4 + 7^6 - 8^5$	$78345 := -7^2 - 8^3 - 3^5 + 4^5 + 5^7$	$78525 := -7^2 - 8^2 + 5^0 + 2^9 + 5^7$
$77993 := -7^2 + 7^5 - 9^0 + 9^5 + 3^7$	$78352 := -7^1 - 8^0 + 3^5 + 5^7 - 2^3$	$78526 := -7^1 + 8^2 + 5^7 + 2^7 + 6^3$
$77995 := -7^2 - 7^0 + 9^0 - 9^2 + 5^7$	$78353 := -7^1 + 8^0 - 3^2 + 5^7 + 3^5$	$78527 := -7^1 + 8^2 + 5^7 + 2^1 + 7^3$
$78035 := -7^1 - 8^0 - 0^0 - 3^4 + 5^7$	$78354 := -7^1 - 8^1 + 3^5 + 5^7 + 4^0$	$78528 := -7^2 - 8^2 + 5^7 + 2^2 + 8^3$
$78045 := -7^1 - 8^1 - 0^0 - 4^3 + 5^7$	$78355 := -7^1 - 8^0 + 3^5 - 5^1 + 5^7$	$78535 := -7^3 - 8^0 + 5^2 + 3^6 + 5^7$
$78046 := -7^4 + 8^5 - 0^0 + 4^5 + 6^6$	$78356 := -7^1 + 8^0 + 3^5 + 5^7 - 6^1$	$78536 := -7^2 + 8^0 + 5^7 + 3^5 + 6^3$
$78052 := -7^1 - 8^0 - 0^0 + 5^7 - 2^6$	$78359 := -7^1 - 8^0 + 3^5 + 5^7 - 9^0$	$78538 := -7^3 + 8^0 + 5^7 + 3^5 + 8^3$
$78053 := -7^1 - 8^2 + 0^1 + 5^7 - 3^0$	$78365 := -7^2 - 8^1 + 3^4 + 6^3 + 5^7$	$78539 := -7^3 + 8^0 + 5^7 + 3^3 + 9^3$
$78054 := -7^1 - 8^0 + 0^0 + 5^7 - 4^3$	$78385 := -7^3 + 8^2 + 3^3 + 8^3 + 5^7$	$78542 := -7^3 - 8^1 + 5^7 + 4^4 + 2^9$
$78055 := -7^1 - 8^2 + 0^1 + 5^0 + 5^7$	$78387 := -7^4 - 8^4 + 3^1 - 8^5 + 7^6$	$78543 := -7^4 + 8^3 + 5^6 + 4^8 - 3^6$
$78056 := -7^1 - 8^2 + 0^0 + 5^7 + 6^0$	$78389 := -7^3 - 8^0 + 3^9 + 8^0 + 9^5$	$78545 := -7^3 + 8^3 - 5^1 + 4^4 + 5^7$
$78059 := -7^2 - 8^1 + 0^1 + 5^7 - 9^1$	$78390 := -7^3 + 8^0 + 3^9 + 9^5 + 0^1$	$78547 := -7^2 + 8^2 + 5^7 + 4^3 + 7^3$
$78075 := -7^2 - 8^0 + 0^0 - 7^0 + 5^7$	$78391 := -7^3 + 8^0 + 3^9 + 9^5 + 1^0$	$78549 := -7^1 - 8^3 + 5^7 + 4^5 - 9^2$
$78085 := -7^2 + 8^0 + 0^1 + 8^1 + 5^7$	$78392 := -7^3 + 8^0 + 3^9 + 9^5 + 2^1$	$78562 := -7^2 + 8^3 + 5^7 + 6^1 - 2^5$
$78115 := -7^1 - 8^0 - 1^0 - 1^0 + 5^7$	$78393 := -7^3 + 8^0 + 3^1 + 9^5 + 3^9$	$78563 := -7^1 + 8^5 - 5^3 + 6^6 - 3^6$
$78125 := -7^1 - 8^1 - 1^0 + 2^4 + 5^7$	$78394 := -7^3 + 8^0 + 3^9 + 9^5 + 4^1$	$78565 := -7^3 - 8^3 - 5^0 + 6^4 + 5^7$
$78145 := -7^2 + 8^2 + 1^0 + 4^1 + 5^7$	$78395 := -7^3 + 8^0 + 3^9 + 9^5 + 5^1$	$78567 := -7^3 - 8^3 + 5^7 + 6^4 + 7^0$
$78152 := -7^1 + 8^0 + 1^0 + 5^7 + 2^5$	$78396 := -7^3 + 8^0 + 3^9 + 9^5 + 6^1$	$78568 := -7^3 - 8^3 - 5^0 + 6^6 + 8^5$
$78156 := -7^1 + 8^0 + 1^0 + 5^7 + 6^2$	$78397 := -7^3 + 8^0 + 3^9 + 9^5 + 7^1$	$78580 := -7^2 - 8^1 + 5^7 + 8^3 + 0^1$
$78159 := -7^2 + 8^0 + 1^0 + 5^7 + 9^2$	$78398 := -7^3 + 8^0 + 3^9 + 9^5 + 8^1$	$78581 := -7^2 - 8^1 + 5^7 + 8^3 + 1^0$
$78205 := -7^2 + 8^0 + 2^7 + 0^1 + 5^7$	$78399 := -7^3 + 8^0 + 3^9 + 9^1 + 9^5$	$78582 := -7^1 - 8^2 + 5^7 + 8^3 + 2^4$
$78215 := -7^1 + 8^2 + 2^5 + 1^0 + 5^7$	$78438 := -7^6 - 8^3 - 4^8 - 3^2 + 8^6$	$78583 := -7^2 - 8^1 + 5^7 + 8^3 + 3^1$
$78235 := -7^1 - 8^1 + 2^7 - 3^1 + 5^7$	$78446 := -7^6 - 8^3 - 4^8 + 4^9 - 6^0$	$78584 := -7^2 - 8^1 + 5^7 + 8^3 + 4^1$
$78245 := -7^1 - 8^0 + 2^6 + 4^3 + 5^7$	$78448 := -7^6 + 8^0 - 4^8 + 4^9 - 8^3$	$78585 := -7^2 - 8^1 + 5^1 + 8^3 + 5^7$
$78252 := -7^1 + 8^1 - 2^1 + 5^7 + 2^7$	$78452 := -7^2 - 8^1 + 4^4 + 5^7 + 2^7$	$78586 := -7^1 - 8^1 + 5^7 + 8^3 - 6^2$
$78253 := -7^1 + 8^1 + 2^7 + 5^7 - 3^0$	$78453 := -7^4 - 8^2 + 4^8 + 5^6 - 3^5$	$78587 := -7^2 - 8^1 + 5^7 + 8^3 + 7^1$
$78254 := -7^1 + 8^1 + 2^6 + 5^7 + 4^3$	$78454 := -7^1 + 8^2 + 4^2 + 5^7 + 4^4$	$78588 := -7^2 - 8^0 + 5^7 + 8^0 + 8^3$
$78255 := -7^1 + 8^1 + 2^2 + 5^3 + 5^7$	$78455 := -7^3 + 8^2 - 4^2 + 5^4 + 5^7$	$78589 := -7^2 - 8^1 + 5^7 + 8^3 + 9^1$
$78256 := -7^3 + 8^3 - 2^1 + 5^7 - 6^2$	$78456 := -7^3 - 8^5 + 4^8 - 5^4 + 6^6$	$78590 := -7^2 + 8^3 + 5^7 + 9^0 + 0^0$
$78259 := -7^1 + 8^2 - 2^2 + 5^7 + 9^2$	$78457 := -7^1 - 8^1 + 4^1 + 5^7 + 7^3$	$78592 := -7^1 + 8^0 + 5^7 + 9^3 - 2^8$
$78273 := -7^2 - 8^5 + 2^1 + 7^6 - 3^8$	$78475 := -7^2 - 8^1 + 4^3 + 7^3 + 5^7$	$78593 := -7^3 + 8^0 + 5^7 + 9^2 + 3^6$
$78275 := -7^2 - 8^1 + 2^8 - 7^2 + 5^7$	$78485 := -7^1 + 8^0 - 4^8 + 8^7 - 5^9$	$78596 := -7^2 + 8^3 + 5^7 + 9^1 - 6^0$
$78279 := -7^2 - 8^5 + 2^3 + 7^6 - 9^4$	$78495 := -7^5 + 8^2 + 4^7 + 9^3 + 5^7$	$78598 := -7^2 + 8^0 + 5^7 + 9^1 + 8^3$
$78285 := -7^3 - 8^0 - 2^3 + 8^3 + 5^7$	$78502 := -7^1 + 8^3 + 5^7 + 0^1 - 2^7$	$78625 := -7^1 + 8^0 - 6^1 + 2^9 + 5^7$
$78293 := -7^3 - 8^2 - 2^5 + 9^5 + 3^9$	$78503 := -7^3 - 8^1 + 5^7 + 0^1 + 3^6$	$78635 := -7^2 - 8^1 + 6^4 - 3^6 + 5^7$
$78295 := -7^1 + 8^2 + 2^5 + 9^2 + 5^7$	$78505 := -7^1 + 8^3 - 5^3 + 0^1 + 5^7$	$78638 := -7^2 - 8^1 + 6^6 - 3^6 + 8^5$
$78297 := -7^1 - 8^5 - 2^4 - 9^4 + 7^6$	$78509 := -7^3 - 8^0 + 5^7 - 0^0 + 9^3$	$78639 := -7^2 - 8^1 - 6^2 + 3^9 + 9^5$

$$\begin{aligned}
78645 &:= -7^1 + 8^3 - 6^0 + 4^2 + 5^7 \\
78647 &:= -7^4 + 8^0 - 6^4 + 4^8 + 7^5 \\
78652 &:= -7^1 + 8^3 + 6^1 + 5^7 + 2^4 \\
78653 &:= -7^2 + 8^2 - 6^3 + 5^7 + 3^6 \\
78654 &:= -7^1 + 8^2 + 6^3 + 5^7 + 4^4 \\
78658 &:= -7^1 - 8^1 + 6^2 + 5^7 + 8^3 \\
78665 &:= -7^1 + 8^3 - 6^0 + 6^2 + 5^7 \\
78689 &:= -7^1 + 8^0 + 6^6 + 8^5 - 9^3 \\
78695 &:= -7^1 + 8^2 - 6^3 + 9^3 + 5^7 \\
78725 &:= -7^1 + 8^1 + 7^3 + 2^8 + 5^7 \\
78745 &:= -7^1 - 8^1 - 7^4 + 4^8 + 5^6 \\
78754 &:= -7^1 + 8^0 - 7^4 + 5^6 + 4^8 \\
78783 &:= -7^2 - 8^5 + 7^6 + 8^3 - 3^8 \\
78836 &:= -7^2 - 8^3 + 8^5 - 3^3 + 6^6 \\
78845 &:= -7^2 + 8^0 + 8^3 + 4^4 + 5^7 \\
78852 &:= -7^2 + 8^1 + 8^3 + 5^7 + 2^8 \\
78855 &:= -7^3 - 8^2 + 8^3 + 5^4 + 5^7 \\
78857 &:= -7^2 - 8^5 - 8^6 + 5^8 - 7^5 \\
78862 &:= -7^2 - 8^0 + 8^5 + 6^6 - 2^9 \\
78864 &:= -7^2 - 8^3 + 8^5 + 6^6 + 4^0 \\
78866 &:= -7^3 + 8^0 + 8^5 + 6^6 - 6^3 \\
78875 &:= -7^3 + 8^5 + 8^5 + 7^5 - 5^5 \\
78893 &:= -7^3 - 8^1 + 8^3 + 9^5 + 3^9 \\
78894 &:= -7^6 - 8^2 + 8^6 - 9^0 - 4^8 \\
78896 &:= -7^1 - 8^3 + 8^5 - 9^1 + 6^6 \\
78925 &:= -7^2 - 8^1 + 9^3 + 2^7 + 5^7 \\
78943 &:= -7^3 + 8^4 + 9^5 + 4^7 - 3^5 \\
78949 &:= -7^6 + 8^2 - 9^4 + 4^9 - 9^5 \\
78962 &:= -7^3 + 8^5 + 9^1 + 6^6 - 2^7 \\
78963 &:= -7^2 + 8^2 + 9^5 + 6^3 + 3^9 \\
78964 &:= -7^6 + 8^6 - 9^0 + 6^1 - 4^8 \\
78965 &:= -7^3 + 8^5 + 9^1 + 6^6 - 5^3 \\
78966 &:= -7^6 + 8^6 - 9^5 + 6^4 - 6^5 \\
78975 &:= -7^1 + 8^0 + 9^5 + 7^5 + 5^5 \\
78986 &:= -7^1 - 8^3 + 9^2 + 8^5 + 6^6 \\
79236 &:= -7^1 + 9^5 + 2^9 + 3^9 - 6^0 \\
79238 &:= -7^1 + 9^5 + 2^0 + 3^9 + 8^3 \\
79245 &:= -7^2 + 9^2 + 2^6 + 4^5 + 5^7 \\
79285 &:= -7^2 + 9^3 - 2^5 + 8^3 + 5^7 \\
79286 &:= -7^2 - 9^2 - 2^3 + 8^5 + 6^6 \\
79335 &:= -7^2 + 9^5 + 3^3 + 3^9 + 5^4
\end{aligned}$$

$$\begin{aligned}
79350 &:= -7^1 + 9^5 + 3^9 + 5^4 + 0^1 \\
79351 &:= -7^1 + 9^5 + 3^9 + 5^4 + 1^0 \\
79352 &:= -7^1 + 9^5 + 3^9 + 5^4 + 2^1 \\
79353 &:= -7^1 + 9^5 + 3^1 + 5^4 + 3^9 \\
79354 &:= -7^1 + 9^5 + 3^9 + 5^4 + 4^1 \\
79355 &:= -7^1 + 9^5 + 3^9 + 5^1 + 5^4 \\
79356 &:= -7^1 + 9^5 + 3^9 + 5^4 + 6^1 \\
79357 &:= -7^1 + 9^5 + 3^9 + 5^4 + 7^1 \\
79358 &:= -7^1 - 9^0 + 3^6 + 5^7 + 8^3 \\
79359 &:= -7^1 + 9^1 + 3^9 + 5^4 + 9^5 \\
79442 &:= -7^3 + 9^5 + 4^6 + 4^7 + 2^8 \\
79448 &:= -7^1 - 9^4 + 4^7 + 4^8 + 8^4 \\
79480 &:= -7^2 + 9^5 + 4^7 + 8^4 + 0^1 \\
79481 &:= -7^2 + 9^5 + 4^7 + 8^4 + 1^0 \\
79482 &:= -7^2 + 9^5 + 4^7 + 8^4 + 2^1 \\
79483 &:= -7^2 + 9^5 + 4^7 + 8^4 + 3^1 \\
79484 &:= -7^2 + 9^5 + 4^1 + 8^4 + 4^7 \\
79485 &:= -7^2 + 9^5 + 4^7 + 8^4 + 5^1 \\
79486 &:= -7^1 + 9^5 + 4^7 + 8^4 - 6^2 \\
79487 &:= -7^2 + 9^5 + 4^7 + 8^4 + 7^1 \\
79488 &:= -7^2 + 9^5 + 4^7 + 8^1 + 8^4 \\
79489 &:= -7^2 + 9^1 + 4^7 + 8^4 + 9^5 \\
79532 &:= -7^2 + 9^3 + 5^7 + 3^6 - 2^1 \\
79533 &:= -7^2 - 9^0 + 5^7 + 3^6 + 3^6 \\
79534 &:= -7^3 - 9^0 + 5^7 + 3^6 + 4^5 \\
79535 &:= -7^2 + 9^3 + 5^0 + 3^6 + 5^7 \\
79538 &:= -7^3 + 9^2 + 5^7 + 3^7 - 8^3 \\
79553 &:= -7^1 + 9^2 + 5^4 + 5^7 + 3^6 \\
79555 &:= -7^2 + 9^3 + 5^3 + 5^4 + 5^7 \\
79557 &:= -7^2 + 9^5 + 5^4 + 5^5 + 7^5 \\
79559 &:= -7^2 + 9^3 + 5^2 + 5^7 + 9^3 \\
79592 &:= -7^1 + 9^3 + 5^7 + 9^3 + 2^4 \\
79594 &:= -7^4 + 9^4 + 5^0 + 9^5 + 4^7 \\
79596 &:= -7^3 + 9^4 + 5^6 + 9^5 - 6^4 \\
79598 &:= -7^2 + 9^3 + 5^7 + 9^3 + 8^2 \\
79682 &:= -7^1 + 9^1 + 6^6 + 8^5 + 2^8 \\
79685 &:= -7^3 + 9^3 + 6^6 + 8^5 - 5^3 \\
79687 &:= -7^2 + 9^5 - 6^3 + 8^4 + 7^5 \\
79738 &:= -7^4 + 9^5 + 7^5 + 3^7 + 8^4 \\
79752 &:= -7^2 - 9^3 + 7^4 + 5^7 + 2^2 \\
79756 &:= -7^1 - 9^0 + 7^3 + 5^7 + 6^4
\end{aligned}$$

$$\begin{aligned}
79825 &:= -7^4 + 9^0 + 8^4 + 2^2 + 5^7 \\
79826 &:= -7^3 + 9^3 + 8^5 + 2^4 + 6^6 \\
79845 &:= -7^4 + 9^1 + 8^4 + 4^2 + 5^7 \\
79865 &:= -7^4 + 9^1 + 8^4 + 6^2 + 5^7 \\
79885 &:= -7^4 + 9^0 + 8^2 + 8^4 + 5^7 \\
79886 &:= -7^2 - 9^0 + 8^3 + 8^5 + 6^6 \\
80253 &:= -8^2 + 0^0 + 2^2 + 5^7 + 3^7 \\
80274 &:= -8^5 + 0^0 - 2^9 + 7^6 - 4^6 \\
80305 &:= -8^1 + 0^0 + 3^7 + 0^1 + 5^7 \\
80394 &:= -8^4 + 0^1 + 3^9 - 9^3 + 4^8 \\
80457 &:= -8^2 - 0^0 - 4^1 + 5^7 + 7^4 \\
80517 &:= -8^1 + 0^1 + 5^7 - 1^0 + 7^4 \\
80527 &:= -8^1 + 0^0 + 5^7 + 2^3 + 7^4 \\
80584 &:= -8^2 - 0^0 + 5^6 - 8^3 + 4^8 \\
80589 &:= -8^4 + 0^1 + 5^7 - 8^0 + 9^4 \\
80590 &:= -8^4 + 0^0 + 5^7 + 9^4 - 0^0 \\
80591 &:= -8^4 + 0^1 + 5^7 + 9^4 + 1^0 \\
80592 &:= -8^4 + 0^0 + 5^7 + 9^4 + 2^0 \\
80593 &:= -8^4 + 0^1 + 5^7 + 9^4 + 3^1 \\
80594 &:= -8^4 + 0^1 + 5^7 + 9^4 + 4^1 \\
80595 &:= -8^4 + 0^1 + 5^1 + 9^4 + 5^7 \\
80596 &:= -8^4 + 0^1 + 5^7 + 9^4 + 6^1 \\
80597 &:= -8^4 + 0^1 + 5^7 + 9^4 + 7^1 \\
80598 &:= -8^4 + 0^1 + 5^7 + 9^4 + 8^1 \\
80599 &:= -8^4 + 0^1 + 5^7 + 9^1 + 9^4 \\
80654 &:= -8^3 - 0^0 + 6^1 + 5^6 + 4^8 \\
80754 &:= -8^2 + 0^1 - 7^3 + 5^6 + 4^8 \\
80778 &:= -8^4 + 0^1 - 7^1 + 7^6 - 8^5 \\
80782 &:= -8^4 - 0^0 + 7^6 - 8^5 - 2^1 \\
80783 &:= -8^4 - 0^0 + 7^6 - 8^5 - 3^0 \\
80784 &:= -8^4 - 0^0 + 7^6 + 8^5 - 4^8 \\
80785 &:= -8^4 - 0^0 + 7^6 - 8^5 + 5^0 \\
80786 &:= -8^4 + 0^1 + 7^6 - 8^5 + 6^0 \\
80794 &:= -8^5 + 0^1 + 7^6 + 9^1 - 4^6 \\
81434 &:= -8^3 - 1^0 + 4^7 + 3^3 + 4^8 \\
81452 &:= -8^3 - 1^0 + 4^6 + 5^7 - 2^8 \\
81454 &:= -8^3 + 1^0 - 4^4 + 5^7 + 4^6 \\
81563 &:= -8^4 + 1^0 + 5^7 + 6^5 - 3^5 \\
81582 &:= -8^3 + 1^0 + 5^7 + 8^4 - 2^7 \\
81585 &:= -8^3 + 1^0 - 5^3 + 8^4 + 5^7
\end{aligned}$$

$81749 := -8^3 - 1^0 + 7^5 + 4^8 - 9^2$	$83346 := -8^4 + 3^7 + 3^9 + 4^8 + 6^2$	$84043 := -8^2 + 4^7 + 0^1 + 4^8 + 3^7$
$81754 := -8^5 - 1^0 + 7^6 - 5^5 - 4^0$	$83364 := -8^6 + 3^2 + 3^3 + 6^7 + 4^8$	$84137 := -8^5 - 4^2 + 1^0 - 3^6 + 7^6$
$81756 := -8^5 - 1^0 + 7^6 - 5^5 + 6^0$	$83435 := -8^4 + 3^7 + 4^8 + 3^9 + 5^3$	$84159 := -8^3 - 4^2 + 1^0 + 5^7 + 9^4$
$82085 := -8^1 - 2^7 + 0^1 + 8^4 + 5^7$	$83436 := -8^6 + 3^3 + 4^8 + 3^4 + 6^7$	$84257 := -8^5 - 4^0 + 2^1 - 5^4 + 7^6$
$82154 := -8^2 - 2^1 - 1^0 + 5^7 + 4^6$	$83456 := -8^2 + 3^1 + 4^6 + 5^7 + 6^4$	$84279 := -8^5 - 4^0 + 2^7 + 7^6 - 9^3$
$82158 := -8^2 + 2^1 - 1^0 + 5^7 + 8^4$	$83459 := -8^2 - 3^7 + 4^5 + 5^7 + 9^4$	$84334 := -8^4 + 4^5 + 3^7 + 3^9 + 4^8$
$82245 := -8^1 + 2^4 + 2^4 + 4^6 + 5^7$	$83475 := -8^5 + 3^5 - 4^5 + 7^6 - 5^4$	$84335 := -8^2 + 4^6 - 3^2 + 3^7 + 5^7$
$82247 := -8^2 - 2^4 - 2^4 + 4^8 + 7^5$	$83477 := -8^5 - 3^3 + 4^5 - 7^4 + 7^6$	$84337 := -8^3 + 4^8 - 3^3 + 3^9 - 7^3$
$82274 := -8^2 - 2^0 - 2^2 + 7^5 + 4^8$	$83493 := -8^2 + 3^6 + 4^6 + 9^5 + 3^9$	$84345 := -8^2 + 4^0 + 3^7 + 4^6 + 5^7$
$82285 := -8^1 + 2^3 + 2^6 + 8^4 + 5^7$	$83546 := -8^6 + 3^5 - 5^2 + 4^8 + 6^7$	$84352 := -8^2 + 4^6 + 3^7 + 5^7 + 2^3$
$82357 := -8^5 - 2^7 + 3^6 - 5^5 + 7^6$	$83550 := -8^3 + 3^8 - 5^4 + 5^7 + 0^0$	$84353 := -8^2 + 4^6 + 3^2 + 5^7 + 3^7$
$82358 := -8^1 + 2^6 + 3^4 + 5^7 + 8^4$	$83569 := -8^2 - 3^7 + 5^7 + 6^5 - 9^2$	$84356 := -8^3 - 4^5 - 3^2 + 5^7 + 6^5$
$82374 := -8^5 - 2^6 - 3^7 + 7^6 - 4^4$	$83586 := -8^2 - 3^7 + 5^7 - 8^2 + 6^5$	$84357 := -8^5 - 4^4 - 3^5 - 5^2 + 7^6$
$82396 := -8^4 - 2^4 + 3^9 + 9^5 + 6^5$	$83650 := -8^2 - 3^7 + 6^5 + 5^7 + 0^1$	$84358 := -8^1 - 4^4 + 3^8 + 5^7 - 8^2$
$82407 := -8^2 + 2^7 + 4^8 + 0^1 + 7^5$	$83651 := -8^2 - 3^7 + 6^5 + 5^7 + 1^0$	$84365 := -8^2 - 4^4 + 3^8 - 6^0 + 5^7$
$82424 := -8^1 + 2^8 + 4^7 + 2^8 + 4^8$	$83652 := -8^2 - 3^7 + 6^5 + 5^7 + 2^1$	$84367 := -8^5 - 4^0 - 3^6 + 6^3 + 7^6$
$82437 := -8^5 - 2^0 - 4^4 - 3^7 + 7^6$	$83653 := -8^2 + 3^1 + 6^5 + 5^7 - 3^7$	$84372 := -8^5 + 4^1 - 3^0 + 7^6 - 2^9$
$82445 := -8^2 + 2^5 + 4^4 + 4^6 + 5^7$	$83654 := -8^2 - 3^7 + 6^5 + 5^7 + 4^1$	$84373 := -8^5 - 4^4 - 3^2 + 7^6 - 3^5$
$82447 := -8^1 + 2^7 - 4^2 + 4^8 + 7^5$	$83655 := -8^2 - 3^7 + 6^5 + 5^1 + 5^7$	$84376 := -8^5 - 4^4 - 3^5 + 7^6 - 6^1$
$82449 := -8^2 + 2^9 + 4^7 + 4^8 + 9^2$	$83656 := -8^2 - 3^7 + 6^1 + 5^7 + 6^5$	$84377 := -8^5 + 4^7 - 3^4 + 7^6 - 7^5$
$82457 := -8^3 + 2^0 + 4^8 + 5^4 + 7^5$	$83657 := -8^1 - 3^7 + 6^5 + 5^7 - 7^2$	$84378 := -8^3 - 4^8 + 3^2 + 7^6 + 8^5$
$82465 := -8^1 + 2^4 + 4^8 + 6^4 + 5^6$	$83658 := -8^2 - 3^7 + 6^5 + 5^7 + 8^1$	$84379 := -8^5 - 4^2 + 3^5 + 7^6 - 9^3$
$82477 := -8^5 + 2^0 - 4^1 + 7^6 - 7^4$	$83659 := -8^2 - 3^7 + 6^5 + 5^7 + 9^1$	$84394 := -8^4 + 4^7 + 3^2 + 9^4 + 4^8$
$82485 := -8^1 + 2^4 + 4^4 + 8^4 + 5^7$	$83667 := -8^5 + 3^4 - 6^4 + 6^0 + 7^6$	$84395 := -8^1 - 4^4 - 3^3 + 9^4 + 5^7$
$82536 := -8^4 + 2^1 + 5^7 + 3^6 + 6^5$	$83674 := -8^6 + 3^1 + 6^7 + 7^3 + 4^8$	$84443 := -8^1 + 4^4 - 4^5 + 4^8 + 3^9$
$82537 := -8^5 - 2^5 - 5^3 - 3^7 + 7^6$	$83677 := -8^4 - 3^3 - 6^6 + 7^5 + 7^6$	$84449 := -8^4 + 4^3 + 4^7 + 4^8 + 9^4$
$82573 := -8^5 + 2^2 - 5^3 + 7^6 - 3^7$	$83742 := -8^5 - 3^5 + 7^6 - 4^5 + 2^7$	$84530 := -8^2 + 4^8 - 5^4 + 3^9 + 0^1$
$82643 := -8^2 - 2^4 + 6^6 + 4^7 + 3^9$	$83747 := -8^5 + 3^5 - 7^4 + 4^5 + 7^6$	$84531 := -8^2 + 4^8 - 5^4 + 3^9 + 1^0$
$82645 := -8^4 + 2^3 - 6^5 + 4^7 + 5^7$	$83749 := -8^5 - 3^3 + 7^6 - 4^5 - 9^2$	$84532 := -8^2 + 4^8 - 5^4 + 3^9 + 2^1$
$82663 := -8^4 + 2^3 + 6^6 + 6^6 - 3^8$	$83767 := -8^5 - 3^2 - 7^4 + 6^4 + 7^6$	$84533 := -8^1 - 4^3 + 5^7 - 3^4 + 3^8$
$82685 := -8^1 + 2^8 + 6^3 + 8^4 + 5^7$	$83784 := -8^2 - 3^2 + 7^6 - 8^5 - 4^5$	$84534 := -8^2 + 4^1 - 5^4 + 3^9 + 4^8$
$82703 := -8^5 + 2^3 + 7^6 + 0^0 - 3^7$	$83847 := -8^5 - 3^2 - 8^0 - 4^5 + 7^6$	$84535 := -8^2 + 4^8 + 5^1 + 3^9 - 5^4$
$82735 := -8^4 - 2^8 + 7^4 + 3^8 + 5^7$	$83854 := -8^2 + 3^8 - 8^3 + 5^7 - 4^4$	$84536 := -8^2 + 4^8 - 5^4 + 3^9 + 6^1$
$82737 := -8^5 + 2^8 - 7^4 + 3^0 + 7^6$	$83856 := -8^2 + 3^9 + 8^5 + 5^7 - 6^6$	$84537 := -8^1 + 4^8 - 5^4 + 3^9 - 7^2$
$82773 := -8^5 + 2^7 - 7^2 + 7^6 - 3^7$	$83874 := -8^2 + 3^4 - 8^5 + 7^6 - 4^5$	$84538 := -8^2 + 4^8 - 5^4 + 3^9 + 8^1$
$82776 := -8^5 + 2^9 - 7^4 + 7^6 - 6^3$	$83896 := -8^2 - 3^4 + 8^5 + 9^5 - 6^5$	$84539 := -8^2 + 4^8 - 5^4 + 3^9 + 9^1$
$82958 := -8^1 + 2^4 + 9^3 + 5^7 + 8^4$	$83925 := -8^2 - 3^6 + 9^4 + 2^5 + 5^7$	$84549 := -8^2 + 4^0 + 5^7 + 4^8 - 9^5$
$82975 := -8^4 - 2^4 + 9^4 + 7^4 + 5^7$	$83945 := -8^1 - 3^6 + 9^4 - 4^1 + 5^7$	$84553 := -8^2 - 4^3 - 5^1 + 5^7 + 3^8$
$83207 := -8^5 - 3^7 + 2^9 + 0^0 + 7^6$	$83950 := -8^1 - 3^6 + 9^4 + 5^7 + 0^0$	$84557 := -8^2 + 4^6 - 5^0 + 5^7 + 7^4$
$83246 := -8^6 - 3^4 - 2^0 + 4^8 + 6^7$	$83968 := -8^2 - 3^2 + 9^5 - 6^5 + 8^5$	$84559 := -8^2 - 4^3 + 5^0 + 5^7 + 9^4$
$83342 := -8^4 + 3^7 + 3^9 + 4^8 + 2^5$	$83986 := -8^2 + 3^2 + 9^5 + 8^5 - 6^5$	$84573 := -8^5 - 4^3 - 5^0 + 7^6 - 3^5$

$84574 := -8^2 + 4^2 + 5^7 + 7^4 + 4^6$	$84793 := -8^5 - 4^1 + 7^6 - 9^2 - 3^1$	$85234 := -8^1 + 5^2 - 2^1 + 3^9 + 4^8$
$84575 := -8^5 - 4^4 - 5^2 + 7^6 - 5^2$	$84795 := -8^5 - 4^1 + 7^6 - 9^2 - 5^0$	$85237 := -8^5 + 5^4 - 2^9 + 3^5 + 7^6$
$84576 := -8^5 - 4^3 - 5^2 + 7^6 - 6^3$	$84797 := -8^5 - 4^1 + 7^0 - 9^2 + 7^6$	$85248 := -8^1 + 5^6 - 2^0 + 4^8 + 8^4$
$84577 := -8^5 + 4^3 - 5^2 + 7^6 - 7^3$	$84798 := -8^5 - 4^0 + 7^6 - 9^2 - 8^0$	$85256 := -8^1 - 5^3 - 2^9 + 5^7 + 6^5$
$84583 := -8^3 + 4^8 - 5^3 + 8^0 + 3^9$	$84799 := -8^4 + 4^8 + 7^5 + 9^4 - 9^1$	$85257 := -8^5 - 5^1 + 2^8 + 5^3 + 7^6$
$84593 := -8^1 - 4^1 + 5^7 - 9^2 + 3^8$	$84817 := -8^2 - 4^0 - 8^5 + 1^0 + 7^6$	$85259 := -8^2 + 5^3 + 2^9 + 5^7 + 9^4$
$84596 := -8^3 - 4^3 + 5^7 - 9^3 + 6^5$	$84827 := -8^5 - 4^3 + 8^1 + 2^1 + 7^6$	$85260 := -8^3 + 5^7 - 2^7 + 6^5 - 0^0$
$84597 := -8^3 - 4^7 + 5^7 + 9^4 + 7^5$	$84837 := -8^5 - 4^2 - 8^0 - 3^3 + 7^6$	$85262 := -8^3 + 5^7 + 2^0 + 6^5 - 2^7$
$84598 := -8^1 - 4^2 + 5^7 + 9^4 - 8^2$	$84864 := -8^6 + 4^5 + 8^3 + 6^7 + 4^8$	$85265 := -8^3 - 5^3 + 2^0 + 6^5 + 5^7$
$84626 := -8^6 + 4^8 + 6^4 + 2^1 + 6^7$	$84867 := -8^1 - 4^8 + 8^5 - 6^1 + 7^6$	$85267 := -8^5 - 5^3 + 2^9 - 6^0 + 7^6$
$84627 := -8^5 - 4^1 + 6^1 - 2^8 + 7^6$	$84870 := -8^1 - 4^1 - 8^5 + 7^6 + 0^0$	$85272 := -8^5 - 5^3 + 2^2 + 7^6 + 2^9$
$84637 := -8^5 - 4^0 - 6^3 - 3^3 + 7^6$	$84871 := -8^1 - 4^0 - 8^5 + 7^6 - 1^0$	$85275 := -8^5 + 5^2 - 2^8 + 7^6 + 5^4$
$84647 := -8^5 - 4^4 + 6^1 + 4^2 + 7^6$	$84872 := -8^1 + 4^0 - 8^5 + 7^6 - 2^1$	$85294 := -8^6 + 5^7 + 2^4 + 9^6 - 4^9$
$84659 := -8^2 + 4^0 + 6^2 + 5^7 + 9^4$	$84873 := -8^1 + 4^0 - 8^5 + 7^6 - 3^0$	$85295 := -8^1 + 5^4 - 2^3 + 9^4 + 5^7$
$84667 := -8^5 + 4^0 - 6^3 + 6^0 + 7^6$	$84873 := -8^1 - 4^0 - 8^5 + 7^6 + 3^0$	$85299 := -8^5 + 5^0 - 2^5 + 9^5 + 9^5$
$84670 := -8^5 + 4^1 - 6^3 + 7^6 + 0^0$	$84874 := -8^1 + 4^0 + 8^5 + 7^6 - 4^8$	$85327 := -8^5 + 5^4 - 3^5 + 2^6 + 7^6$
$84672 := -8^5 - 4^0 - 6^3 + 7^6 + 2^3$	$84875 := -8^1 + 4^0 - 8^5 + 7^6 + 5^0$	$85342 := -8^1 - 5^3 + 3^9 + 4^8 + 2^8$
$84673 := -8^5 - 4^0 + 6^2 + 7^6 - 3^5$	$84876 := -8^1 + 4^1 - 8^5 + 7^6 - 6^0$	$85344 := -8^2 + 5^3 + 3^9 + 4^3 + 4^8$
$84695 := -8^1 + 4^2 + 6^0 + 9^4 + 5^7$	$84877 := -8^5 - 4^1 + 8^0 - 7^0 + 7^6$	$85346 := -8^2 - 5^2 + 3^9 + 4^8 + 6^3$
$84703 := -8^5 + 4^3 + 7^6 + 0^0 - 3^5$	$84877 := -8^5 - 4^1 - 8^0 + 7^0 + 7^6$	$85348 := -8^5 + 5^9 - 3^0 + 4^9 - 8^7$
$84732 := -8^3 + 4^8 - 7^1 + 3^9 + 2^5$	$84878 := -8^1 + 4^1 + 8^0 + 7^6 - 8^5$	$85361 := -8^3 + 5^7 - 3^3 + 6^5 - 1^0$
$84733 := -8^3 + 4^8 - 7^0 + 3^3 + 3^9$	$84879 := -8^5 - 4^0 + 8^1 + 7^6 - 9^1$	$85363 := -8^3 + 5^7 + 3^0 + 6^5 - 3^3$
$84735 := -8^1 + 4^3 - 7^1 + 3^8 + 5^7$	$84887 := -8^5 - 4^0 - 8^0 + 8^1 + 7^6$	$85364 := -8^2 + 5^7 - 3^6 + 6^5 + 4^4$
$84736 := -8^3 + 4^8 - 7^1 + 3^9 + 6^2$	$84897 := -8^2 - 4^0 - 8^5 + 9^2 + 7^6$	$85365 := -8^3 - 5^2 + 3^0 + 6^5 + 5^7$
$84737 := -8^1 + 4^8 + 7^4 + 3^0 + 7^5$	$84907 := -8^5 + 4^2 + 9^1 + 0^0 + 7^6$	$85367 := -8^3 + 5^7 + 3^3 + 6^5 - 7^2$
$84739 := -8^3 + 4^8 - 7^2 + 3^9 + 9^2$	$84927 := -8^5 - 4^0 - 9^2 + 2^7 + 7^6$	$85387 := -8^5 - 5^1 - 3^0 + 8^3 + 7^6$
$84750 := -8^5 - 4^4 + 7^6 + 5^3 + 0^1$	$84935 := -8^1 + 4^4 + 9^0 + 3^8 + 5^7$	$85406 := -8^3 + 5^7 + 4^2 + 0^0 + 6^5$
$84751 := -8^5 - 4^1 + 7^6 - 5^3 - 1^0$	$84937 := -8^3 + 4^9 - 9^5 + 3^1 - 7^6$	$85437 := -8^2 + 5^4 + 4^8 + 3^9 - 7^3$
$84752 := -8^5 - 4^2 + 7^6 - 5^4 + 2^9$	$84938 := -8^2 + 4^8 - 9^3 + 3^9 + 8^3$	$85456 := -8^2 - 5^3 - 4^4 + 5^7 + 6^5$
$84753 := -8^5 - 4^1 + 7^6 - 5^3 + 3^0$	$84947 := -8^5 + 4^0 + 9^0 + 4^3 + 7^6$	$85469 := -8^3 + 5^7 - 4^0 + 6^4 + 9^4$
$84754 := -8^5 - 4^0 + 7^6 - 5^3 - 4^0$	$84957 := -8^1 - 4^3 + 9^4 + 5^7 + 7^3$	$85473 := -8^2 - 5^2 + 4^8 + 7^3 + 3^9$
$84755 := -8^5 - 4^4 + 7^6 + 5^1 + 5^3$	$84959 := -8^2 + 4^4 + 9^2 + 5^7 + 9^4$	$85474 := -8^5 + 5^4 - 4^2 + 7^6 - 4^2$
$84756 := -8^5 - 4^0 + 7^6 - 5^3 + 6^0$	$84967 := -8^5 - 4^0 + 9^2 + 6^1 + 7^6$	$85476 := -8^3 + 5^7 - 4^4 + 7^3 + 6^5$
$84757 := -8^5 - 4^4 + 7^1 + 5^3 + 7^6$	$84973 := -8^5 - 4^2 + 9^2 + 7^6 + 3^3$	$85479 := -8^5 + 5^3 - 4^4 + 7^6 + 9^3$
$84758 := -8^2 - 4^3 + 7^6 + 5^1 - 8^5$	$84974 := -8^5 - 4^1 + 9^2 + 7^6 + 4^2$	$85507 := -8^5 + 5^0 + 5^4 + 0^1 + 7^6$
$84759 := -8^5 - 4^2 + 7^6 - 5^2 - 9^2$	$84977 := -8^5 + 4^2 + 9^2 + 7^6 - 7^0$	$85526 := -8^3 + 5^6 + 5^7 + 2^6 - 6^5$
$84763 := -8^5 - 4^0 + 7^6 - 6^2 - 3^4$	$84979 := -8^5 + 4^2 + 9^0 + 7^6 + 9^2$	$85527 := -8^5 + 5^1 + 5^4 + 2^4 + 7^6$
$84767 := -8^5 - 4^3 - 7^2 - 6^0 + 7^6$	$84993 := -8^5 - 4^4 + 9^5 + 9^5 - 3^4$	$85547 := -8^5 + 5^2 + 5^4 + 4^2 + 7^6$
$84772 := -8^5 + 4^1 - 7^2 + 7^6 - 2^6$	$85007 := -8^5 + 5^3 + 0^0 + 0^1 + 7^6$	$85564 := -8^4 + 5^6 + 5^7 + 6^1 - 4^6$
$84783 := -8^5 - 4^2 + 7^6 - 8^0 - 3^4$	$85163 := -8^1 + 5^7 - 1^0 + 6^5 - 3^6$	$85567 := -8^5 + 5^2 + 5^4 + 6^2 + 7^6$
$84792 := -8^4 + 4^8 + 7^5 + 9^4 - 2^4$	$85189 := -8^1 + 5^7 - 1^0 + 8^3 + 9^4$	$85606 := -8^3 + 5^7 + 6^3 + 0^0 + 6^5$

$$\begin{aligned}
85631 &:= -8^3 + 5^7 + 6^5 + 3^5 - 1^0 & 86398 &:= -8^4 - 6^4 - 3^3 + 9^5 + 8^5 & 87455 &:= -8^4 + 7^5 - 4^4 + 5^7 - 5^5 \\
85633 &:= -8^3 + 5^7 + 6^5 + 3^0 + 3^5 & 86428 &:= -8^4 - 6^5 + 4^8 - 2^2 + 8^5 & 87474 &:= -8^5 + 7^4 - 4^3 + 7^6 + 4^4 \\
85644 &:= -8^3 + 5^7 + 6^5 + 4^4 - 4^0 & 86443 &:= -8^1 + 6^4 - 4^3 + 4^8 + 3^9 & 87589 &:= -8^4 - 7^1 - 5^3 + 8^5 + 9^5 \\
85646 &:= -8^3 + 5^7 + 6^0 + 4^4 + 6^5 & 86445 &:= -8^1 + 6^7 - 4^9 + 4^8 + 5^5 & 87598 &:= -8^5 - 7^5 + 5^7 + 9^5 - 8^0 \\
85654 &:= -8^2 + 5^6 - 6^5 + 5^7 - 4^4 & 86448 &:= -8^4 - 6^5 + 4^2 + 4^8 + 8^5 & 87657 &:= -8^5 - 7^3 - 6^1 + 5^5 + 7^6 \\
85659 &:= -8^4 + 5^5 + 6^5 + 5^7 + 9^3 & 86452 &:= -8^6 + 6^7 + 4^8 + 5^5 - 2^0 & 87672 &:= -8^2 + 7^5 - 6^6 + 7^6 - 2^6 \\
85667 &:= -8^3 - 5^7 - 6^0 + 6^6 + 7^6 & 86454 &:= -8^6 + 6^7 + 4^0 + 5^5 + 4^8 & 87674 &:= -8^5 - 7^1 - 6^4 + 7^6 + 4^6 \\
85672 &:= -8^3 - 5^7 + 6^6 + 7^6 + 2^2 & 86465 &:= -8^2 - 6^5 - 4^7 - 6^7 + 5^8 & 87680 &:= -8^5 + 7^6 - 6^4 + 8^4 - 0^0 \\
85693 &:= -8^4 + 5^7 - 6^6 + 9^5 - 3^6 & 86468 &:= -8^4 - 6^5 + 4^8 + 6^2 + 8^5 & 87682 &:= -8^5 + 7^6 - 6^4 + 8^4 + 2^0 \\
85724 &:= -8^5 - 5^5 + 7^6 - 2^7 + 4^6 & 86489 &:= -8^4 - 6^4 + 4^3 + 8^5 + 9^5 & 87763 &:= -8^3 - 7^4 + 7^6 - 6^6 + 3^9 \\
85726 &:= -8^5 + 5^4 + 7^6 + 2^2 + 6^3 & 86534 &:= -8^6 + 6^7 + 5^5 + 3^4 + 4^8 & 87787 &:= -8^5 - 7^1 + 7^4 + 8^3 + 7^6 \\
85734 &:= -8^5 + 5^3 + 7^6 + 3^6 - 4^0 & 86535 &:= -8^5 + 6^8 + 5^8 + 3^7 - 5^9 & 87895 &:= -8^4 + 7^2 + 8^5 + 9^5 + 5^3 \\
85736 &:= -8^5 + 5^3 + 7^6 + 3^6 + 6^0 & 86573 &:= -8^2 + 6^5 + 5^7 + 7^1 + 3^6 & 87928 &:= -8^4 - 7^2 + 9^5 + 2^8 + 8^5 \\
85747 &:= -8^2 + 5^5 + 7^3 + 4^8 + 7^5 & 86593 &:= -8^2 - 6^3 + 5^7 + 9^4 + 3^7 & 87944 &:= -8^5 + 7^6 - 9^1 + 4^6 - 4^5 \\
85763 &:= -8^1 + 5^7 - 7^2 + 6^5 - 3^4 & 86645 &:= -8^2 - 6^3 + 6^5 + 4^5 + 5^7 & 87983 &:= -8^4 + 7^3 + 9^5 + 8^5 - 3^4 \\
85766 &:= -8^1 + 5^7 - 7^3 + 6^3 + 6^5 & 86648 &:= -8^4 + 6^3 - 6^5 + 4^8 + 8^5 & 87984 &:= -8^4 + 7^1 + 9^5 + 8^5 + 4^4 \\
85786 &:= -8^5 + 5^4 + 7^6 + 8^2 + 6^3 & 86684 &:= -8^3 + 6^5 + 6^6 + 8^5 - 4^1 & 87986 &:= -8^4 + 7^2 + 9^5 + 8^5 + 6^3 \\
85788 &:= -8^2 - 5^5 + 7^6 + 8^4 - 8^5 & 86687 &:= -8^3 + 6^5 + 6^6 + 8^5 - 7^0 & 88229 &:= -8^4 + 8^5 - 2^2 + 2^9 + 9^5 \\
85846 &:= -8^2 + 5^7 + 8^1 + 4^0 + 6^5 & 86689 &:= -8^3 + 6^5 + 6^6 + 8^5 + 9^0 & 88249 &:= -8^4 + 8^5 + 2^9 + 4^2 + 9^5 \\
85857 &:= -8^5 - 5^5 + 8^4 + 5^1 + 7^6 & 86907 &:= -8^5 + 6^4 + 9^3 + 0^0 + 7^6 & 88269 &:= -8^4 + 8^5 + 2^9 + 6^2 + 9^5 \\
85862 &:= -8^1 + 5^7 + 8^0 + 6^5 - 2^5 & 86935 &:= -8^4 - 6^3 + 9^4 + 3^8 + 5^7 & 88365 &:= -8^4 - 8^0 + 3^8 + 6^5 + 5^7 \\
85863 &:= -8^2 + 5^7 - 8^0 + 6^5 + 3^3 & 86998 &:= -8^4 + 6^1 - 9^3 + 9^5 + 8^5 & 88489 &:= -8^4 + 8^3 + 4^4 + 8^5 + 9^5 \\
85886 &:= -8^1 + 5^7 - 8^1 + 8^0 + 6^5 & 87237 &:= -8^5 - 7^3 + 2^9 + 3^7 + 7^6 & 88536 &:= -8^2 + 8^3 + 5^7 + 3^7 + 6^5 \\
85896 &:= -8^2 - 5^2 + 8^5 + 9^4 + 6^6 & 87255 &:= -8^4 - 7^4 + 2^1 + 5^6 + 5^7 & 88559 &:= -8^5 + 8^6 - 5^0 + 5^8 - 9^6 \\
85926 &:= -8^1 + 5^7 + 9^0 + 2^5 + 6^5 & 87267 &:= -8^5 + 7^4 - 2^4 + 6^0 + 7^6 & 88722 &:= -8^5 + 8^4 + 7^6 + 2^0 - 2^8 \\
85963 &:= -8^2 + 5^1 + 9^5 + 6^6 - 3^9 & 87272 &:= -8^5 + 7^4 - 2^1 + 7^6 - 2^3 & 88793 &:= -8^4 + 8^5 + 7^3 + 9^5 + 3^6 \\
85967 &:= -8^1 + 5^7 + 9^2 + 6^5 - 7^1 & 87273 &:= -8^5 + 7^4 - 2^3 + 7^6 - 3^0 & 88794 &:= -8^4 + 8^5 + 7^2 + 9^5 + 4^5 \\
85968 &:= -8^4 - 5^8 + 9^6 - 6^6 - 8^4 & 87274 &:= -8^5 + 7^4 - 2^2 + 7^6 - 4^1 & 88972 &:= -8^5 + 8^4 - 9^0 + 7^6 - 2^2 \\
86135 &:= -8^1 + 6^5 - 1^0 + 3^5 + 5^7 & 87275 &:= -8^5 + 7^4 - 2^1 + 7^6 - 5^1 & 88973 &:= -8^5 + 8^4 - 9^0 + 7^6 - 3^1 \\
86172 &:= -8^5 + 6^4 - 1^0 + 7^6 - 2^2 & 87277 &:= -8^5 - 7^0 - 2^2 + 7^4 + 7^6 & 88974 &:= -8^5 + 8^4 + 9^0 + 7^6 - 4^1 \\
86173 &:= -8^5 + 6^4 - 1^0 + 7^6 - 3^1 & 87278 &:= -8^1 + 7^4 + 2^2 + 7^6 - 8^5 & 88975 &:= -8^5 + 8^4 - 9^0 + 7^6 - 5^0 \\
86174 &:= -8^5 + 6^4 + 1^0 + 7^6 - 4^1 & 87279 &:= -8^5 + 7^4 - 2^1 + 7^6 - 9^0 & 88977 &:= -8^2 - 8^5 + 9^4 - 7^4 + 7^6 \\
86175 &:= -8^5 + 6^4 - 1^0 + 7^6 - 5^0 & 87287 &:= -8^5 + 7^4 + 2^2 + 8^0 + 7^6 & 88978 &:= -8^1 + 8^4 + 9^1 + 7^6 - 8^5 \\
86177 &:= -8^5 + 6^4 - 1^0 + 7^0 + 7^6 & 87309 &:= -8^4 + 7^6 - 3^9 + 0^1 - 9^4 & 88979 &:= -8^5 + 8^4 + 9^0 + 7^6 + 9^0 \\
86179 &:= -8^5 + 6^4 + 1^0 + 7^6 + 9^0 & 87322 &:= -8^5 + 7^6 + 3^7 + 2^8 - 2^1 & 88987 &:= -8^5 + 8^0 + 9^1 + 8^4 + 7^6 \\
86285 &:= -8^2 + 6^5 - 2^6 + 8^3 + 5^7 & 87323 &:= -8^5 + 7^6 - 3^0 + 2^8 + 3^7 & 89298 &:= -8^5 + 9^5 - 2^7 + 9^5 + 8^4 \\
86337 &:= -8^4 - 6^5 + 3^5 - 3^9 + 7^6 & 87324 &:= -8^5 + 7^6 + 3^7 + 2^9 - 4^4 & 89365 &:= -8^6 + 9^1 - 3^8 + 6^7 + 5^7 \\
86352 &:= -8^2 + 6^5 + 3^1 + 5^7 + 2^9 & 87325 &:= -8^5 + 7^6 + 3^7 + 2^8 + 5^0 & 89417 &:= -8^5 + 9^5 + 4^8 + 1^0 - 7^4 \\
86358 &:= -8^2 + 6^5 + 3^2 + 5^7 + 8^3 & 87343 &:= -8^2 + 7^0 + 3^7 + 4^8 + 3^9 & 89478 &:= -8^2 - 9^5 + 4^6 - 7^6 + 8^6 \\
86374 &:= -8^5 + 6^5 - 3^7 + 7^6 - 4^6 & 87347 &:= -8^5 + 7^4 + 3^0 + 4^3 + 7^6 & 89497 &:= -8^5 + 9^2 + 4^8 + 9^5 - 7^4 \\
86395 &:= -8^4 - 6^6 - 3^3 + 9^5 + 5^7 & 87435 &:= -8^3 - 7^0 + 4^7 - 3^8 + 5^7 & 89525 &:= -8^4 - 9^0 + 5^6 - 2^7 + 5^7
\end{aligned}$$

$$\begin{aligned}
89564 &:= -8^3 + 9^5 - 5^6 + 6^6 - 4^1 \\
89567 &:= -8^2 - 9^5 - 5^6 + 6^6 + 7^6 \\
89569 &:= -8^3 + 9^0 - 5^6 + 6^6 + 9^5 \\
89584 &:= -8^5 - 9^6 + 5^8 + 8^6 + 4^5 \\
89834 &:= -8^4 - 9^4 + 8^5 + 3^7 + 4^8 \\
89856 &:= -8^5 - 9^6 + 8^6 + 5^8 + 6^4 \\
89963 &:= -8^6 + 9^4 + 9^5 + 6^7 + 3^8 \\
\\
90754 &:= -9^2 - 0^0 + 7^5 + 5^7 - 4^6 \\
91089 &:= -9^3 + 1^0 + 0^1 + 8^5 + 9^5 \\
91372 &:= -9^4 - 1^0 - 3^9 + 7^6 - 2^5 \\
91378 &:= -9^5 + 1^0 + 3^2 + 7^6 + 8^5 \\
91538 &:= -9^5 - 1^0 - 5^9 + 3^8 + 8^7 \\
91553 &:= -9^1 - 1^0 + 5^6 + 5^7 - 3^7 \\
91809 &:= -9^1 + 1^0 + 8^5 + 0^1 + 9^5 \\
92345 &:= -9^1 + 2^5 - 3^7 + 4^7 + 5^7 \\
92364 &:= -9^2 - 2^6 - 3^9 + 6^6 + 4^8 \\
92365 &:= -9^2 - 2^4 + 3^8 + 6^5 + 5^7 \\
92366 &:= -9^3 + 2^9 - 3^6 + 6^6 + 6^6 \\
92436 &:= -9^1 - 2^6 + 4^8 - 3^9 + 6^6 \\
92475 &:= -9^4 + 2^3 + 4^6 + 7^5 + 5^7 \\
92525 &:= -9^3 - 2^9 + 5^6 + 2^4 + 5^7 \\
92566 &:= -9^3 + 2^3 - 5^2 + 6^6 + 6^6 \\
92616 &:= -9^3 + 2^5 + 6^6 + 1^0 + 6^6 \\
92637 &:= -9^4 - 2^6 + 6^4 - 3^9 + 7^6 \\
92646 &:= -9^3 - 2^0 + 6^6 + 4^3 + 6^6 \\
92663 &:= -9^3 - 2^0 + 6^6 + 6^6 + 3^4 \\
92696 &:= -9^3 + 2^5 + 6^6 + 9^2 + 6^6 \\
92735 &:= -9^1 - 2^0 + 7^5 - 3^7 + 5^7 \\
92896 &:= -9^3 + 2^9 + 8^5 + 9^5 + 6^4 \\
92965 &:= -9^1 + 2^9 + 9^4 + 6^5 + 5^7 \\
92966 &:= -9^1 - 2^8 - 9^2 + 6^6 + 6^6 \\
92968 &:= -9^2 - 2^6 + 9^5 + 6^4 + 8^5 \\
92984 &:= -9^4 + 2^9 + 9^3 + 8^5 + 4^8 \\
93266 &:= -9^1 + 3^3 - 2^6 + 6^6 + 6^6 \\
93275 &:= -9^4 - 3^7 - 2^0 + 7^6 - 5^6 \\
93353 &:= -9^2 - 3^7 - 3^7 + 5^7 + 3^9 \\
93357 &:= -9^4 - 3^7 + 3^4 - 5^6 + 7^6 \\
93376 &:= -9^4 + 3^7 - 3^9 + 7^6 - 6^3 \\
93426 &:= -9^2 + 3^9 + 4^8 + 2^9 + 6^5 \\
93435 &:= -9^4 + 3^7 + 4^0 + 3^9 + 5^7
\end{aligned}$$

$$\begin{aligned}
93475 &:= -9^3 - 3^6 + 4^0 + 7^5 + 5^7 \\
93488 &:= -9^3 + 3^2 + 4^8 + 8^5 - 8^4 \\
93489 &:= -9^2 + 3^6 + 4^5 + 8^5 + 9^5 \\
93534 &:= -9^3 - 3^1 + 5^7 - 3^5 + 4^7 \\
93574 &:= -9^5 + 3^8 + 5^7 + 7^4 + 4^8 \\
93575 &:= -9^3 - 3^1 - 5^4 + 7^5 + 5^7 \\
93577 &:= -9^3 - 3^8 + 5^2 - 7^5 + 7^6 \\
93643 &:= -9^2 + 3^6 + 6^5 + 4^8 + 3^9 \\
93645 &:= -9^3 + 3^4 - 6^3 + 4^7 + 5^7 \\
93662 &:= -9^2 - 3^4 + 6^6 + 6^6 + 2^9 \\
93665 &:= -9^1 - 3^1 + 6^5 + 6^5 + 5^7 \\
93754 &:= -9^3 - 3^3 + 7^0 + 5^7 + 4^7 \\
93772 &:= -9^4 + 3^1 - 7^5 + 7^6 - 2^9 \\
93778 &:= -9^4 + 3^2 - 7^5 + 7^6 - 8^3 \\
93788 &:= -9^2 - 3^9 + 7^6 - 8^0 - 8^4 \\
93797 &:= -9^1 - 3^9 + 7^4 - 9^4 + 7^6 \\
93798 &:= -9^2 - 3^9 + 7^6 + 9^1 - 8^4 \\
93845 &:= -9^3 + 3^0 + 8^2 + 4^7 + 5^7 \\
93849 &:= -9^2 + 3^7 + 8^5 + 4^8 - 9^4 \\
93867 &:= -9^1 - 3^9 - 8^4 + 6^1 + 7^6 \\
93884 &:= -9^2 - 3^5 - 8^4 + 8^5 + 4^8 \\
93955 &:= -9^3 + 3^9 + 9^0 + 5^7 - 5^5 \\
93974 &:= -9^3 - 3^0 - 9^4 + 7^6 - 4^7 \\
94245 &:= -9^1 + 4^0 - 2^8 + 4^7 + 5^7 \\
94252 &:= -9^1 + 4^7 + 2^3 + 5^7 - 2^8 \\
94253 &:= -9^1 + 4^7 - 2^2 + 5^7 - 3^5 \\
94256 &:= -9^2 - 4^7 + 2^5 + 5^8 - 6^7 \\
94273 &:= -9^4 - 4^7 - 2^9 + 7^6 + 3^4 \\
94275 &:= -9^2 - 4^3 - 2^9 + 7^5 + 5^7 \\
94277 &:= -9^4 + 4^1 - 2^3 + 7^6 - 7^5 \\
94387 &:= -9^4 + 4^8 + 3^5 + 8^5 + 7^4 \\
94425 &:= -9^2 - 4^0 + 4^7 - 2^1 + 5^7 \\
94435 &:= -9^1 - 4^3 + 4^7 - 3^0 + 5^7 \\
94445 &:= -9^2 + 4^0 + 4^2 + 4^7 + 5^7 \\
94447 &:= -9^4 - 4^0 - 4^4 - 4^7 + 7^6 \\
94452 &:= -9^1 - 4^2 + 4^7 + 5^7 - 2^5 \\
94453 &:= -9^2 + 4^2 + 4^7 + 5^7 + 3^2 \\
94456 &:= -9^2 + 4^3 + 4^7 + 5^7 - 6^2 \\
94465 &:= -9^2 + 4^0 + 4^7 + 6^2 + 5^7 \\
94475 &:= -9^3 + 4^2 + 4^4 + 7^5 + 5^7 \\
94485 &:= -9^1 - 4^2 + 4^7 + 8^0 + 5^7
\end{aligned}$$

$$\begin{aligned}
94495 &:= -9^1 - 4^1 + 4^7 - 9^0 + 5^7 \\
94500 &:= -9^1 + 4^7 + 5^7 + 0^0 - 0^0 \\
94501 &:= -9^1 + 4^7 + 5^7 + 0^1 + 1^0 \\
94502 &:= -9^1 + 4^7 + 5^7 + 0^0 + 2^0 \\
94503 &:= -9^1 + 4^7 + 5^7 + 0^1 + 3^1 \\
94504 &:= -9^1 + 4^1 + 5^7 + 0^1 + 4^7 \\
94505 &:= -9^1 + 4^7 + 5^1 + 0^1 + 5^7 \\
94506 &:= -9^1 + 4^7 + 5^7 + 0^1 + 6^1 \\
94507 &:= -9^1 + 4^7 + 5^7 + 0^1 + 7^1 \\
94508 &:= -9^1 + 4^7 + 5^7 + 0^1 + 8^1 \\
94509 &:= -9^1 + 4^7 + 5^7 + 0^1 + 9^1 \\
94523 &:= -9^1 + 4^7 + 5^7 + 2^5 - 3^2 \\
94524 &:= -9^1 + 4^2 + 5^7 + 2^3 + 4^7 \\
94526 &:= -9^1 + 4^7 + 5^7 + 2^5 - 6^1 \\
94543 &:= -9^1 + 4^2 + 5^7 + 4^7 + 3^3 \\
94548 &:= -9^1 - 4^2 + 5^7 + 4^7 + 8^2 \\
94552 &:= -9^2 + 4^7 + 5^3 + 5^7 - 2^0 \\
94554 &:= -9^2 + 4^0 + 5^3 + 5^7 + 4^7 \\
94562 &:= -9^2 + 4^7 + 5^7 + 6^1 + 2^7 \\
94563 &:= -9^1 + 4^7 + 5^7 + 6^2 + 3^3 \\
94567 &:= -9^2 - 4^7 + 5^8 - 6^7 + 7^3 \\
94578 &:= -9^4 - 4^7 - 5^3 + 7^6 - 8^0 \\
94587 &:= -9^2 - 4^4 + 5^7 - 8^1 + 7^5 \\
94589 &:= -9^1 + 4^7 + 5^7 + 8^1 + 9^2 \\
94635 &:= -9^2 + 4^7 - 6^2 + 3^5 + 5^7 \\
94645 &:= -9^2 + 4^0 + 6^3 + 4^7 + 5^7 \\
94652 &:= -9^1 + 4^7 + 6^3 + 5^7 - 2^6 \\
94653 &:= -9^2 + 4^7 + 6^3 + 5^7 + 3^2 \\
94657 &:= -9^3 + 4^8 + 6^6 + 5^0 - 7^5 \\
94667 &:= -9^4 - 4^7 - 6^0 - 6^2 + 7^6 \\
94672 &:= -9^4 - 4^7 - 6^2 + 7^6 + 2^2 \\
94673 &:= -9^5 + 4^7 + 6^1 + 7^6 + 3^9 \\
94675 &:= -9^3 + 4^4 + 6^3 + 7^5 + 5^7 \\
94696 &:= -9^6 + 4^8 + 6^7 + 9^3 + 6^7 \\
94697 &:= -9^4 - 4^7 - 6^1 - 9^0 + 7^6 \\
94702 &:= -9^4 - 4^7 + 7^6 - 0^0 - 2^0 \\
94703 &:= -9^4 - 4^7 + 7^6 + 0^1 - 3^0 \\
94704 &:= -9^4 - 4^0 + 7^6 + 0^0 - 4^7 \\
94705 &:= -9^4 - 4^7 + 7^6 + 0^1 + 5^0 \\
94706 &:= -9^4 - 4^7 + 7^6 + 0^0 + 6^0 \\
94720 &:= -9^4 - 4^7 + 7^6 + 2^4 + 0^1
\end{aligned}$$

$94721 := -9^4 - 4^7 + 7^6 + 2^4 + 1^0$	$95443 := -9^1 + 5^7 + 4^5 + 4^7 - 3^4$	$96542 := -9^1 + 6^6 - 5^6 + 4^8 - 2^4$
$94722 := -9^4 - 4^7 + 7^6 + 2^1 + 2^4$	$95446 := -9^2 + 5^7 + 4^5 + 4^7 - 6^1$	$96543 := -9^4 - 6^7 + 5^8 - 4^5 - 3^8$
$94723 := -9^4 - 4^7 + 7^6 - 2^3 + 3^3$	$95457 := -9^4 - 5^1 - 4^0 - 5^6 + 7^6$	$96549 := -9^1 + 6^5 + 5^7 + 4^6 + 9^4$
$94724 := -9^4 + 4^1 + 7^6 + 2^4 - 4^7$	$95472 := -9^4 - 5^6 + 4^0 + 7^6 + 2^3$	$96564 := -9^1 + 6^1 - 5^6 + 6^6 + 4^8$
$94725 := -9^4 - 4^7 + 7^6 - 2^2 + 5^2$	$95473 := -9^4 - 5^6 + 4^0 + 7^6 + 3^2$	$96583 := -9^4 - 6^5 + 5^7 + 8^5 + 3^3$
$94726 := -9^4 - 4^7 + 7^6 + 2^4 + 6^1$	$95475 := -9^2 + 5^4 - 4^0 + 7^5 + 5^7$	$96680 := -9^3 + 6^6 + 6^6 + 8^4 + 0^0$
$94727 := -9^4 - 4^7 + 7^1 + 2^4 + 7^6$	$95478 := -9^4 - 5^6 + 4^2 + 7^6 - 8^0$	$96735 := -9^3 - 6^0 - 7^3 + 3^9 + 5^7$
$94728 := -9^4 - 4^7 + 7^6 + 2^4 + 8^1$	$95483 := -9^1 - 5^4 + 4^8 + 8^5 - 3^7$	$96745 := -9^6 - 6^5 - 7^5 + 4^9 + 5^8$
$94729 := -9^4 - 4^7 + 7^6 + 2^4 + 9^1$	$95487 := -9^4 - 5^6 + 4^2 + 8^1 + 7^6$	$96765 := -9^4 + 6^1 + 7^6 + 6^4 - 5^6$
$94730 := -9^4 - 4^7 + 7^6 + 3^3 - 0^0$	$95572 := -9^4 + 5^3 - 5^6 + 7^6 - 2^4$	$96875 := -9^5 - 6^8 + 8^2 - 7^6 + 5^9$
$94732 := -9^4 - 4^7 + 7^6 + 3^3 + 2^0$	$95579 := -9^1 + 5^3 - 5^6 + 7^6 - 9^4$	$96879 := -9^2 + 6^6 + 8^5 + 7^5 + 9^3$
$94745 := -9^4 - 4^7 + 7^6 + 4^2 + 5^2$	$95587 := -9^4 - 5^6 + 5^3 - 8^0 + 7^6$	$96893 := -9^4 + 6^6 - 8^2 + 9^5 - 3^7$
$94762 := -9^4 - 4^7 + 7^6 - 6^1 + 2^6$	$95597 := -9^4 + 5^3 - 5^6 + 9^1 + 7^6$	$96963 := -9^4 + 6^1 + 9^5 + 6^6 - 3^7$
$94765 := -9^1 + 4^7 + 7^2 + 6^3 + 5^7$	$95627 := -9^3 + 5^7 + 6^4 + 2^7 + 7^5$	$96967 := -9^4 - 6^5 - 9^4 + 6^3 + 7^6$
$94784 := -9^4 + 4^2 + 7^6 + 8^2 - 4^7$	$95643 := -9^2 + 5^7 + 6^4 + 4^7 - 3^4$	$97223 := -9^3 + 7^6 - 2^4 + 2^1 - 3^9$
$94852 := -9^4 + 4^8 + 8^5 + 5^5 - 2^4$	$95678 := -9^4 - 5^6 + 6^3 + 7^6 - 8^0$	$97237 := -9^3 - 7^0 + 2^0 - 3^9 + 7^6$
$94859 := -9^1 + 4^8 + 8^5 + 5^5 - 9^4$	$95687 := -9^4 - 5^6 + 6^3 + 8^1 + 7^6$	$97243 := -9^3 + 7^6 + 2^1 + 4^1 - 3^9$
$94873 := -9^4 + 4^8 + 8^5 + 7^4 + 3^6$	$95720 := -9^4 - 5^6 + 7^6 + 2^8 + 0^0$	$97246 := -9^2 - 7^6 - 2^9 + 4^9 - 6^6$
$94875 := -9^1 + 4^2 - 8^2 + 7^5 + 5^7$	$95732 := -9^4 - 5^6 + 7^6 - 3^5 + 2^9$	$97248 := -9^3 - 7^3 + 2^4 + 4^8 + 8^5$
$94894 := -9^5 - 4^7 - 8^5 - 9^5 + 4^9$	$95733 := -9^1 + 5^7 + 7^5 + 3^4 + 3^6$	$97302 := -9^3 + 7^6 - 3^9 + 0^0 + 2^6$
$94985 := -9^3 - 4^9 + 9^0 - 8^5 + 5^8$	$95778 := -9^1 + 5^7 + 7^3 + 7^5 + 8^3$	$97319 := -9^3 + 7^6 - 3^9 + 1^0 + 9^2$
$95054 := -9^2 + 5^4 + 0^0 + 5^7 + 4^7$	$95779 := -9^1 + 5^5 + 7^5 + 7^5 + 9^5$	$97334 := -9^3 + 7^6 - 3^9 + 3^4 + 4^2$
$95056 := -9^1 - 5^6 + 0^0 + 5^8 - 6^7$	$95796 := -9^2 + 5^7 + 7^5 + 9^3 + 6^3$	$97335 := -9^1 + 7^6 - 3^9 + 3^1 - 5^4$
$95067 := -9^2 + 5^7 + 0^1 + 6^3 + 7^5$	$95797 := -9^1 - 5^6 + 7^3 - 9^4 + 7^6$	$97352 := -9^2 - 7^3 + 3^9 + 5^7 - 2^5$
$95207 := -9^4 - 5^6 - 2^8 + 0^1 + 7^6$	$95844 := -9^4 + 5^1 + 8^5 + 4^6 + 4^8$	$97353 := -9^1 + 7^5 + 3^5 + 5^7 + 3^7$
$95227 := -9^3 + 5^7 + 2^9 + 2^9 + 7^5$	$95846 := -9^3 - 5^6 + 8^1 + 4^8 + 6^6$	$97355 := -9^3 + 7^5 + 3^3 + 5^5 + 5^7$
$95258 := -9^1 - 5^6 - 2^0 + 5^7 + 8^5$	$95847 := -9^2 + 5^2 + 8^5 + 4^8 - 7^4$	$97356 := -9^3 + 7^6 - 3^9 + 5^3 - 6^1$
$95267 := -9^1 + 5^7 + 2^7 + 6^3 + 7^5$	$95863 := -9^2 + 5^7 - 8^6 + 6^7 + 3^3$	$97358 := -9^3 + 7^3 + 3^9 + 5^7 - 8^2$
$95327 := -9^2 + 5^7 + 3^9 + 2^0 - 7^4$	$95874 := -9^2 + 5^7 - 8^0 + 7^5 + 4^5$	$97359 := -9^5 + 7^6 + 3^9 + 5^7 - 9^5$
$95334 := -9^1 + 5^7 + 3^8 + 3^8 + 4^6$	$95939 := -9^4 - 5^6 + 9^5 + 3^3 + 9^5$	$97372 := -9^2 - 7^0 - 3^9 + 7^6 - 2^9$
$95337 := -9^2 + 5^7 + 3^5 + 3^5 + 7^5$	$95976 := -9^4 - 5^6 + 9^3 + 7^6 - 6^3$	$97385 := -9^2 - 7^3 + 3^9 + 8^0 + 5^7$
$95342 := -9^4 + 5^7 + 3^9 + 4^6 - 2^0$	$95993 := -9^4 - 5^6 + 9^5 + 9^5 + 3^4$	$97399 := -9^3 + 7^6 - 3^9 + 9^2 + 9^2$
$95344 := -9^4 + 5^7 + 3^9 + 4^0 + 4^6$	$96275 := -9^2 + 6^4 + 2^7 + 7^5 + 5^7$	$97443 := -9^4 + 7^4 + 4^7 + 4^8 + 3^9$
$95354 := -9^1 + 5^3 + 3^6 + 5^7 + 4^7$	$96278 := -9^2 + 6^6 + 2^7 + 7^5 + 8^5$	$97533 := -9^2 + 7^2 + 5^7 + 3^9 - 3^5$
$95357 := -9^2 - 5^2 - 3^8 - 5^6 + 7^6$	$96365 := -9^2 + 6^6 + 3^2 + 6^6 + 5^5$	$97537 := -9^2 - 7^3 - 5^1 - 3^9 + 7^6$
$95372 := -9^2 + 5^7 + 3^2 + 7^5 + 2^9$	$96435 := -9^2 - 6^4 + 4^1 + 3^9 + 5^7$	$97545 := -9^5 + 7^3 + 5^7 + 4^0 + 5^7$
$95373 := -9^1 - 5^6 - 3^4 + 7^6 - 3^8$	$96453 := -9^2 + 6^4 + 4^7 + 5^7 + 3^6$	$97552 := -9^5 + 7^3 + 5^7 + 5^7 + 2^3$
$95376 := -9^2 - 5^6 - 3^8 + 7^6 - 6^1$	$96475 := -9^1 + 6^4 + 4^4 + 7^5 + 5^7$	$97553 := -9^2 - 7^2 - 5^3 + 5^7 + 3^9$
$95379 := -9^2 - 5^6 - 3^1 + 7^6 - 9^4$	$96478 := -9^1 + 6^6 + 4^4 + 7^5 + 8^5$	$97554 := -9^2 + 7^0 + 5^5 + 5^7 + 4^7$
$95427 := -9^2 + 5^7 + 4^3 + 2^9 + 7^5$	$96495 := -9^2 + 6^6 + 4^8 + 9^1 - 5^6$	$97572 := -9^2 - 7^5 - 5^5 + 7^6 - 2^6$
$95437 := -9^4 - 5^6 + 4^0 - 3^3 + 7^6$	$96503 := -9^1 - 6^4 + 5^7 + 0^1 + 3^9$	$97735 := -9^1 - 7^5 + 7^6 + 3^3 - 5^5$

$97753 := -9^2 - 7^1 + 7^6 - 5^3 - 3^9$	$98293 := -9^2 + 8^5 - 2^2 + 9^5 + 3^8$	$98547 := -9^1 + 8^4 + 5^7 + 4^7 - 7^2$
$97757 := -9^1 - 7^5 + 7^2 - 5^5 + 7^6$	$98294 := -9^1 + 8^5 - 2^1 + 9^0 + 4^8$	$98564 := -9^2 + 8^5 + 5^3 + 6^3 + 4^8$
$97795 := -9^3 + 7^0 - 7^7 + 9^6 + 5^8$	$98299 := -9^2 + 8^5 + 2^1 + 9^4 + 9^5$	$98634 := -9^3 + 8^5 + 6^6 + 3^9 + 4^4$
$97823 := -9^2 + 7^6 - 8^2 + 2^1 - 3^9$	$98304 := -9^1 + 8^5 + 3^2 + 0^1 + 4^8$	$98674 := -9^1 + 8^5 + 6^2 + 7^3 + 4^8$
$97824 := -9^1 - 7^3 + 8^5 - 2^7 + 4^8$	$98324 := -9^1 + 8^5 - 3^1 + 2^5 + 4^8$	$98693 := -9^3 - 8^4 + 6^6 + 9^5 - 3^7$
$97826 := -9^1 - 7^6 + 8^6 - 2^2 - 6^6$	$98329 := -9^2 + 8^5 + 3^8 + 2^5 + 9^5$	$98742 := -9^2 + 8^5 + 7^1 + 4^8 + 2^9$
$97837 := -9^2 - 7^2 + 8^0 - 3^9 + 7^6$	$98342 := -9^1 + 8^5 - 3^4 + 4^8 + 2^7$	$98784 := -9^2 + 8^3 + 7^2 + 8^5 + 4^8$
$97846 := -9^1 - 7^6 + 8^6 + 4^2 - 6^6$	$98345 := -9^2 + 8^5 - 3^1 + 4^8 + 5^3$	$98834 := -9^1 + 8^3 + 8^5 + 3^3 + 4^8$
$97862 := -9^1 - 7^6 + 8^6 - 6^6 + 2^5$	$98347 := -9^1 + 8^5 + 3^1 + 4^8 + 7^2$	$98943 := -9^1 + 8^5 - 9^2 + 4^8 + 3^6$
$97866 := -9^1 - 7^6 + 8^6 + 6^2 - 6^6$	$98349 := -9^1 + 8^5 - 3^3 + 4^8 + 9^2$	$98946 := -9^2 + 8^5 + 9^3 + 4^8 - 6^1$
$97893 := -9^2 + 7^6 - 8^0 + 9^1 - 3^9$	$98362 := -9^3 + 8^5 + 3^9 + 6^6 - 2^4$	$99063 := -9^2 + 9^5 + 0^1 + 6^6 - 3^8$
$97935 := -9^3 + 7^5 + 9^5 + 3^9 + 5^5$	$98369 := -9^1 + 8^5 + 3^9 + 6^6 - 9^3$	$99146 := -9^4 + 9^5 + 1^0 + 4^0 + 6^6$
$97938 := -9^5 + 7^6 + 9^1 + 3^8 + 8^5$	$98384 := -9^1 + 8^1 + 3^4 + 8^5 + 4^8$	$99263 := -9^1 + 9^5 + 2^7 + 6^6 - 3^8$
$97953 := -9^1 + 7^6 - 9^1 + 5^1 - 3^9$	$98386 := -9^3 + 8^1 + 3^9 + 8^5 + 6^6$	$99265 := -9^4 + 9^5 - 2^2 + 6^6 + 5^3$
$97973 := -9^1 + 7^1 + 9^1 + 7^6 - 3^9$	$98422 := -9^1 + 8^5 + 4^8 + 2^7 - 2^0$	$99266 := -9^4 + 9^5 + 2^7 + 6^6 - 6^1$
$97978 := -9^5 + 7^2 + 9^4 + 7^6 + 8^5$	$98424 := -9^1 + 8^5 + 4^0 + 2^7 + 4^8$	$99396 := -9^4 + 9^1 + 3^5 + 9^5 + 6^6$
$98143 := -9^2 + 8^5 + 1^0 + 4^8 - 3^4$	$98432 := -9^1 + 8^5 + 4^8 + 3^2 + 2^7$	$99447 := -9^1 + 9^3 + 4^7 + 4^8 + 7^5$
$98224 := -9^2 + 8^5 - 2^0 + 2^1 + 4^8$	$98452 := -9^1 + 8^5 + 4^8 + 5^3 + 2^5$	$99464 := -9^4 + 9^5 + 4^3 + 6^6 + 4^4$
$98234 := -9^1 + 8^5 - 2^6 + 3^1 + 4^8$	$98456 := -9^1 + 8^5 + 4^8 + 5^3 + 6^2$	$99643 := -9^4 + 9^5 + 6^6 + 4^4 + 3^5$
$98235 := -9^2 + 8^3 - 2^2 + 3^9 + 5^7$	$98472 := -9^1 + 8^5 + 4^8 + 7^2 + 2^7$	$99648 := -9^1 + 9^5 + 6^5 + 4^3 + 8^5$
$98240 := -9^2 + 8^5 + 2^4 + 4^8 + 0^0$	$98473 := -9^1 + 8^3 + 4^1 + 7^6 - 3^9$	$99662 := -9^4 + 9^5 + 6^1 + 6^6 + 2^9$
$98247 := -9^1 + 8^5 + 2^0 + 4^8 - 7^2$	$98536 := -9^4 - 8^0 + 5^7 - 3^9 + 6^6$	$99683 := -9^4 + 9^5 + 6^6 + 8^3 + 3^3$
$98264 := -9^1 + 8^5 - 2^5 + 6^0 + 4^8$	$98543 := -9^1 + 8^5 + 5^1 + 4^8 + 3^5$	$99843 := -9^3 + 9^2 + 8^5 + 4^8 + 3^7$
$98274 := -9^2 + 8^5 + 2^1 + 7^2 + 4^8$	$98545 := -9^1 + 8^5 + 5^3 + 4^8 + 5^3$	

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