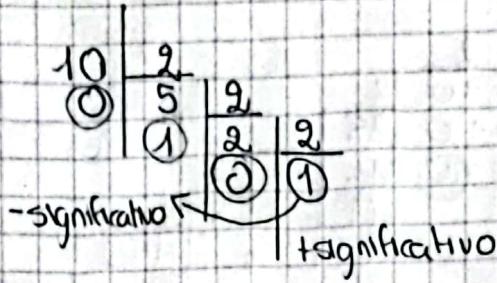


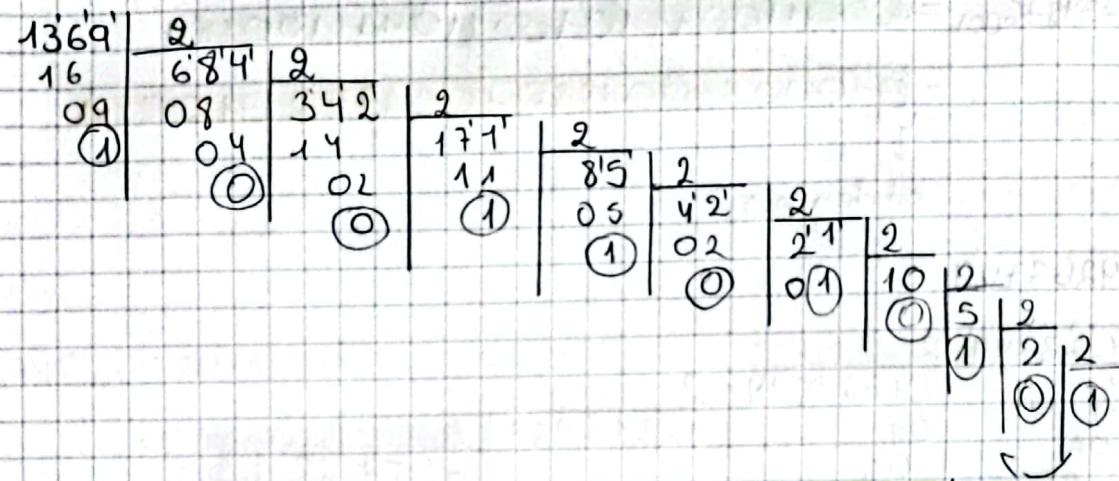
Decimal a Binario

10



$$10_{(2)} = 1010_{(2)} = 01010_{(2)}$$

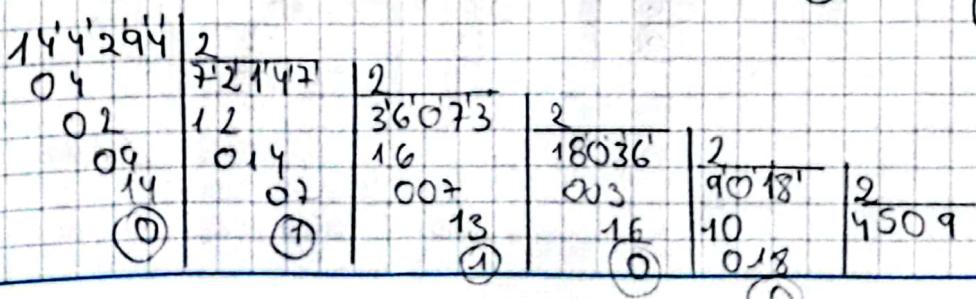
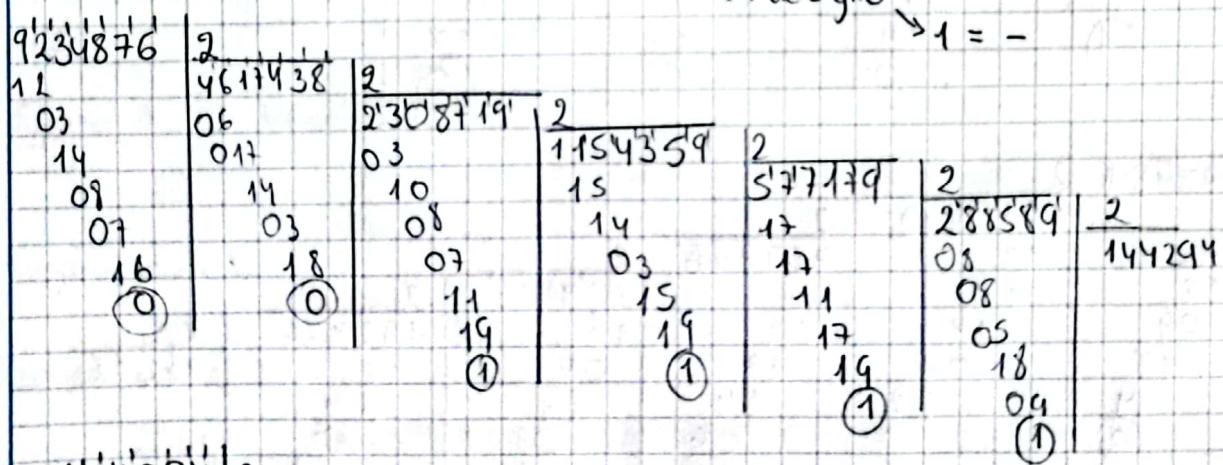
1369 ↑
bit de signo



$$1369_{(10)} = 10101011001_{(2)} = 010101011001_{(2)}$$

9234976

↑
bit de signo 10 = +
→ 1 = -



Real

| | | | | |
|---|---|---|---|---|
| 4 | 5 | 0 | 9 | 2 |
| 0 | 5 | 2 | 2 | 2 |
| 1 | 0 | 0 | 2 | 2 |
| 0 | 9 | 5 | 6 | 3 |
| 1 | 4 | 1 | 2 | 1 |
| 0 | 5 | 0 | 3 | 0 |
| 1 | 4 | 1 | 6 | 1 |
| 0 | 0 | 0 | 3 | 0 |
| 1 | 0 | 1 | 0 | 1 |
| 0 | 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 1 |

$$9234876_{(10)} = 100011001110100110111100_{(2)}$$

$$= 010001100111010011011110001$$

↓

bit designo

49263749

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | 9 | 2 | 6 | 3 | 7 | 4 | 9 | 2 |
| 0 | 9 | 2 | 4 | 6 | 3 | 1 | 8 | 7 |
| 1 | 0 | 1 | 0 | 4 | 3 | 1 | 5 | 9 |
| 1 | 2 | 0 | 6 | 0 | 3 | 1 | 7 | 6 |
| 0 | 6 | 0 | 6 | 0 | 3 | 1 | 7 | 6 |
| 0 | 3 | 0 | 3 | 1 | 1 | 1 | 5 | 7 |
| 1 | 7 | 1 | 1 | 1 | 5 | 1 | 9 | 7 |
| 1 | 4 | 1 | 0 | 0 | 9 | 1 | 3 | 9 |
| 0 | 9 | 0 | 9 | 1 | 4 | 1 | 7 | 8 |
| 1 | 4 | 1 | 4 | 0 | 0 | 1 | 8 | 9 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | 0 | 7 | 8 | 9 | 8 | 4 | 2 | 1 |
| 1 | 0 | 1 | 5 | 3 | 9 | 4 | 9 | 2 |
| 0 | 7 | 1 | 3 | 1 | 9 | 7 | 6 | 1 |
| 1 | 8 | 1 | 9 | 1 | 6 | 1 | 8 | 1 |
| 0 | 9 | 1 | 4 | 0 | 9 | 1 | 8 | 1 |
| 1 | 8 | 0 | 9 | 1 | 2 | 0 | 7 | 1 |
| 0 | 4 | 0 | 9 | 0 | 8 | 0 | 7 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

$$\begin{array}{r}
 96218' \\
 16 \quad | \quad 48104' \\
 02 \quad | \quad 09 \\
 018 \quad | \quad 010 \\
 0 \quad | \quad 09 \\
 \end{array}
 \begin{array}{r}
 24054' \\
 2 \quad | \quad 12027 \\
 04 \quad | \quad 002 \\
 006 \quad | \quad 07 \\
 14 \quad | \quad 0 \\
 \end{array}
 \begin{array}{r}
 6013 \\
 2 \quad | \quad 3006 \\
 0012 \quad | \quad 10 \\
 006 \quad | \quad 0 \\
 \end{array}
 \begin{array}{r}
 1503 \\
 2 \quad | \quad 751 \\
 10 \quad | \quad 15 \\
 03 \quad | \quad 3+5 \\
 1 \quad | \quad 17 \\
 11 \quad | \quad 15 \\
 1 \quad | \quad 07 \\
 1 \quad | \quad 13 \\
 1 \quad | \quad 93 \\
 1 \quad | \quad 46 \\
 06 \quad | \quad 23 \\
 03 \quad | \quad 1 \\
 1 \quad | \quad 5 \\
 1 \quad | \quad 2 \\
 1 \quad | \quad 1 \\
 \end{array}$$

$$\begin{array}{r}
 1503 \\
 2 \quad | \quad 751 \\
 10 \quad | \quad 15 \\
 03 \quad | \quad 3+5 \\
 1 \quad | \quad 17 \\
 11 \quad | \quad 15 \\
 1 \quad | \quad 07 \\
 1 \quad | \quad 13 \\
 1 \quad | \quad 93 \\
 1 \quad | \quad 46 \\
 06 \quad | \quad 23 \\
 03 \quad | \quad 1 \\
 1 \quad | \quad 5 \\
 1 \quad | \quad 2 \\
 1 \quad | \quad 1 \\
 \end{array}$$

$$\begin{aligned}
 49263749_{(2)} &= 1011101111011010010000101_2 \\
 &= 0\downarrow 1011101111011010010000101_2
 \end{aligned}$$

bit del signo

Decimal a binario Usando Complemento de 2

-20

Opción 1 Método (1)

$$\begin{array}{r}
 20 \\
 \frac{0}{128} \quad \frac{0}{64} \quad \frac{0}{32} \quad \frac{1}{16} \quad \frac{0}{8} \quad \frac{1}{4} \quad \frac{0}{2} \quad \frac{0}{1} \\
 \end{array}
 \left. \right) \text{Cambiar } 0 \text{ por } 1$$

Complemento de 1

$$\begin{array}{r}
 20 \\
 \hline
 1 \quad 1 \quad 1 \quad 0 \quad 1 \quad 0 \quad 1 \quad 1 \\
 + 1 \\
 \hline
 \end{array}$$

Complemento de 2

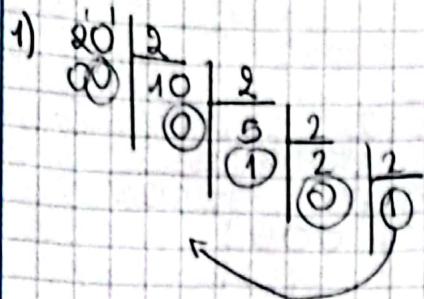
$$\begin{array}{r}
 20+1 \\
 \hline
 1 \quad 1 \quad 1 \quad 0 \quad 1 \quad 1 \quad 0 \quad 0
 \end{array}$$

con 8 bits ↑

| #Bits | Rango |
|-------|----------------|
| 8 | -127 a 127 |
| 16 | -32767 a 32767 |

Real

Opción 2 (Método 2)



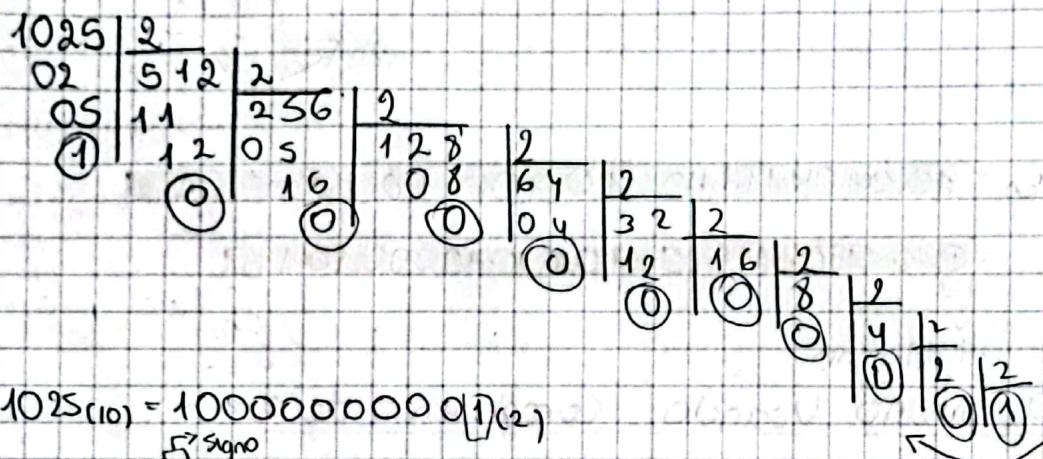
signo

$$20_{(10)} = 1 \ 0 \boxed{1} \ 0 \ 0_{(2)} = \boxed{0} \ 10 \boxed{1} 0 \ 0_{(2)}$$

2) Encontrar el primer 1, reemplazar unos por ceros y ceros por unos

1011100 → usando el mínimo número de bits
(con 6 bits)

-1025



$$1025_{(10)} = 10000000000 \boxed{1}_{(2)}$$

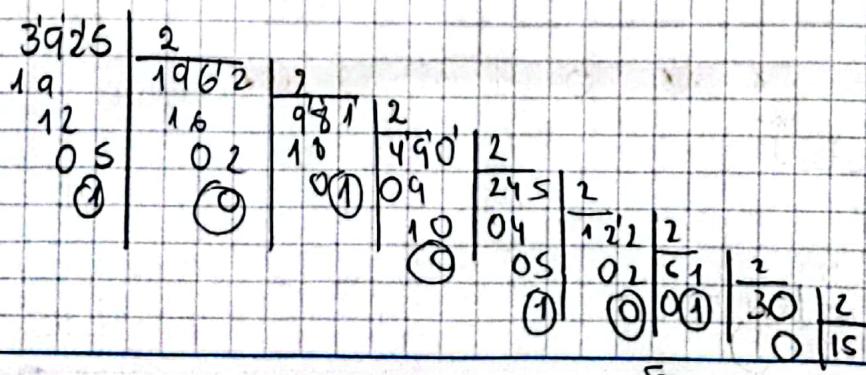
signo

$$= \boxed{0} 10000000001_{(2)}$$

101111111111
(con 12 bits)

-3925

Método (3)



$$\begin{array}{r} 16 \\ \textcircled{1} \quad \textcircled{2} \\ \textcircled{1} \quad \textcircled{7} \\ \textcircled{1} \quad \textcircled{3} \\ \textcircled{1} \quad \textcircled{1} \end{array}$$

$$3925_{(10)} = 11110101010_2 \quad \left. \begin{array}{l} \\ \\ \end{array} \right\} \text{Cambiar } 0 \text{ por } 1$$

$$+ \begin{array}{r} 000010101010 \\ \hline 1 \end{array}$$

$$\textcircled{1} 000010101011$$

↓
signo
negativo

$$1000010101011$$

$$- 104596$$

Método 3

$$\begin{array}{c} 104596 | 2 \\ 04 \quad \textcircled{05} \\ 19 \quad 16 \quad \textcircled{0} \\ \hline 12 \quad 09 \quad \textcircled{1} \\ 02 \quad 09 \quad \textcircled{0} \\ \hline 06 \quad 09 \quad \textcircled{1} \\ 014 \quad 09 \quad \textcircled{0} \\ \hline 26149 | 2 \\ 13074 \quad 10 \quad 07 \quad 14 \\ \hline 13 \quad 13 \quad 17 \quad \textcircled{1} \\ 6537 \quad 05 \quad 12 \quad 06 \quad 08 \quad \textcircled{0} \\ \hline 3268 | 2 \\ 1634 \quad 03 \quad 14 \\ \hline 817 | 2 \\ 000 \quad 000 \quad 00 \\ \hline 204 | 2 \\ 102 \quad 00 \\ \hline 51 | 2 \\ 11 \quad 05 \quad 00 \\ \hline 11 | 2 \\ 05 \quad 00 \\ \hline 11 | 2 \\ 06 \quad 00 \\ \hline 3 | 2 \\ 1 \quad 0 \\ \hline 1 | 2 \\ 0 \end{array}$$

$$\begin{array}{c} 817 | 2 \\ 017 \quad \textcircled{1} \\ \hline 408 | 2 \\ 000 \quad \textcircled{0} \\ \hline 204 | 2 \\ 102 \quad 00 \\ \hline 51 | 2 \\ 11 \quad 05 \quad 00 \\ \hline 11 | 2 \\ 05 \quad 00 \\ \hline 11 | 2 \\ 06 \quad 00 \\ \hline 3 | 2 \\ 1 \quad 0 \\ \hline 1 | 2 \\ 0 \end{array}$$

$$104596_{(10)} = 11001100010010100_2 \quad \left. \begin{array}{l} \\ \\ \end{array} \right\} \text{Cambiar } 0 \text{ por } 1$$

$$0011001110110101011$$

Real

$$\begin{array}{r}
 + 00110011101101011 \\
 \hline
 100110011101101100
 \end{array}$$

↓
signo

100110011101101100

Unsigned binario a hexadecimal

110011110101011001101101100000101001

Método corto

1100 1111 0101 0110 0110 1110 1101 1000 0010 1001
 C F 5 6 6 E D 8 2 9

Método largo

$$\begin{aligned}
 & 1 \times 2^{37} + 1 \times 2^{36} + 0 \cancel{\times 2^{35}} + 0 \cancel{\times 2^{34}} + 1 \times 2^{33} + 1 \times 2^{32} + 1 \times 2^{31} + \\
 & 0 \cancel{\times 2^{30}} + 1 \times 2^{29} + 0 \cancel{\times 2^{28}} + 1 \times 2^{27} + 0 \cancel{\times 2^{26}} + 1 \times 2^{25} + 1 \times 2^{24} + 0 \cancel{\times 2^{23}} + \\
 & 0 \cancel{\times 2^{22}} + 1 \times 2^{21} + 1 \times 2^{20} + 0 \cancel{\times 2^{19}} + 1 \times 2^{18} + 1 \times 2^{17} + 0 \cancel{\times 2^{16}} + \\
 & 1 \times 2^{15} + 1 \times 2^{14} + 0 \cancel{\times 2^{13}} + 1 \times 2^{12} + 1 \times 2^{11} + 0 \cancel{\times 2^{10}} + 0 \cancel{\times 2^9} + \\
 & 0 \cancel{\times 2^8} + 0 \cancel{\times 2^7} + 0 \cancel{\times 2^6} + 1 \times 2^5 + 0 \cancel{\times 2^4} + 1 \times 2^3 + 0 \cancel{\times 2^2} + \\
 & 0 \cancel{\times 2^1} + 1 \times 2^0 = 890508335145
 \end{aligned}$$

| 890508335145 | | 16 | 16 | 16 |
|--------------|------------------|-----|-------------|----|
| 90 | 55'65'677'09'46' | 34 | 5'4'8'18'4' | 2 |
| 105 | 76 | 027 | 0 | 1 |
| 090 | 125 | 110 | 1 | 4 |
| 101 | 136 | 065 | 0 | 9 |
| 123 | 089 | 048 | 2 | 6 |
| 115 | 077 | 024 | 0 | 1 |
| 0151 | 130 | 08 | | |
| 071 | 029 | | | |
| 105 | 134 | | | |
| 09 | 066 | | | |
| | 02 | | | |

| | | | | | | |
|----------|----------|------|--------|-----|-------|------|
| 91409261 | 16 | 16 | 16 | 16 | 16 | 16 |
| 057 | 13588098 | 078 | 849254 | 019 | 33098 | 3317 |
| 094 | 148 | 040 | 0125 | 050 | 029 | 0113 |
| 140 | 071 | 078 | 131 | 118 | 06 | 207 |
| 129 | (13) | (14) | 06 | 06 | (6) | (15) |
| 0126 | | | | | | |
| 141 | | | | | | |
| | | | | | | |

CF566FD8 29

1000 0111 1000 1110 0011 1000 1110 000 11 1111 0011

Método corto

1000 0111 1000 1110 0011 1000 1110 0011 1111 0011
 8 7 8 F 3 8 E 3 F 3

Método largo

$$\begin{aligned}
 & 1 \times 2^{39} + 0 \times 2^{38} + 0 \times 2^{37} + 0 \times 2^{36} + 0 \times 2^{35} + 1 \times 2^{34} + 1 \times 2^{33} + 1 \times 2^{32} \\
 & 1 \times 2^{31} + 0 \times 2^{30} + 0 \times 2^{29} + 0 \times 2^{28} + 1 \times 2^{27} + 1 \times 2^{26} + 1 \times 2^{25} + 0 \times 2^{24} + \\
 & 0 \times 2^{23} + 0 \times 2^{22} + 1 \times 2^{21} + 1 \times 2^{20} + 1 \times 2^{19} + 0 \times 2^{18} + 0 \times 2^{17} + 0 \times 2^{16} + \\
 & 1 \times 2^{15} + 1 \times 2^{14} + 1 \times 2^{13} + 0 \times 2^{12} + 0 \times 2^{11} + 0 \times 2^{10} + 1 \times 2^9 + 1 \times 2^8 + \\
 & 1 \times 2^7 + 1 \times 2^6 + 1 \times 2^5 + 1 \times 2^4 + 0 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 1 \times 2^0
 \end{aligned}$$

| | | | | |
|---------------|-------------|------|------------|-----------|
| 5821206678003 | 16 | 16 | 16 | 16 |
| 102 | 36387917375 | 043 | 2274244835 | 16 |
| 062 | 118 | 067 | 069 | 142140302 |
| 140 | 039 | 071 | 034 | |
| 126 | 041 | 077 | 072 | |
| 146 | 060 | 133 | 064 | |
| 617 | 120 | 057 | 0048 | |
| 118 | 083 | 045 | 0035 | |
| | (3) | (15) | (3) | |

M21N0302

| | |
|------|---------|
| 141 | 16 |
| 134 | 8883768 |
| 060 | 088 |
| 123 | 083 |
| 110 | 037 |
| 142 | 056 |
| (14) | 088 |

16

555235

025

112

0035

(3)

16

34702

027

110

14.2

(14)

16

21561

056

081

(8)

16

133

001

16

(8)

878E 38E3F3

1010110101011000110010101000101010101010

$$4 \times 10 = 40$$

Método Largo

1) binario a decimal

$$\begin{aligned} & 1 \times 2^{39} + 0 \times 2^{38} + 1 \times 2^{37} + 0 \times 2^{36} + 1 \times 2^{35} + 1 \times 2^{34} + 0 \times 2^{33} + 1 \times 2^{32} + \\ & 0 \times 2^{31} + 1 \times 2^{30} + 0 \times 2^{29} + 1 \times 2^{28} + 1 \times 2^{27} + 1 \times 2^{26} + 0 \times 2^{25} + \\ & 0 \times 2^{24} + 0 \times 2^{23} + 1 \times 2^{22} + 1 \times 2^{21} + 0 \times 2^{20} + 0 \times 2^{19} + 1 \times 2^{18} + \\ & 0 \times 2^{17} + 1 \times 2^{16} + 0 \times 2^{15} + 1 \times 2^{14} + 0 \times 2^{13} + 0 \times 2^{12} + 1 \times 2^{11} + \\ & 0 \times 2^{10} + 1 \times 2^9 + 0 \times 2^8 + 1 \times 2^7 + 0 \times 2^6 + 1 \times 2^5 + 0 \times 2^4 + 1 \times 2^3 + \\ & 0 \times 2^2 + 1 \times 2^1 + 0 \times 2^0 \end{aligned}$$

$$\begin{aligned} & \frac{2^{39} + 2^{37} + 2^{35} + 2^{34} + 2^{32} + 2^{30} + 2^{28} + 2^{27} + 2^{26} + 2^{22} + 2^{21} +}{2^{18} + 2^{16} + 2^{14} + 2^{11} + 2^8 + 2^7 + 2^5 + 2^3 + 2^1} = \\ & 2^{22} [2^8 + 2^{15} + 2^{13} + 2^{12} + 2^{10} + 2^8 + 2^6 + 2^5 + 2^4 + 1] + \\ & 1 \cdot 2^9 [2^9 + 2^7 + 2^5 + 2^2 + 1] + 2^3 [2^4 + 2^2 + 1] + 2^1 = \end{aligned}$$

744579484330₍₁₀₎ → Decimal

2) decimal a hexadecimal

| | | | | | | | | |
|--------------|----|-------------|----|------------|----|-----------|----|----------|
| 744579484330 | 16 | 46536217770 | 16 | 2908513610 | 16 | 181382100 | 16 | 11361381 |
| 104 | | 145 | | 130 | | 21 | | |
| 85 | | 136 | | 28 | | 57 | | |
| 57 | | 82 | | 125 | | 98 | | |
| 99 | | 21 | | 131 | | 22 | | |
| 34 | | 57 | | 33 | | 61 | | |
| 98 | | 97 | | 16 | | 130 | | |
| 114 | | 10 | | 910 | | 20 | | |
| 123 | | | | | | | | |
| 113 | | | | | | | | |
| 10 | | | | | | | | |

Real

| | | | | |
|------------------------|----------------------------|-----------------------------------|-----------------------------------|----------------------|
| $\frac{11361381}{16}$ | $\frac{710086}{16}$ | $\frac{44330}{16}$ | $\frac{2743}{16}$ | $\frac{173}{16}$ |
| 16 0138 101 ⑤ | 16 70 60 128 ⑥ | 16 123 118 60 12 ⑦ | 16 2743 117 63 3 ⑧ | 16 173 10 ⑨ |
| | | | | |
| | | | | |

AD5C654AAA

Método largo

1010 1101 0101 1100 0110 0101 0100 1010 1010 1010
 A D S C 6 S H A A A A

1010 0010 1010 1010 1010 1010 1011 1111 1100.0000

Método corto

1010 0010 1010 1010 1010 1010 1011 1111 1100 0000
 A 2 A A A A B F C O

Método largo

$$\begin{aligned}
 & 1 \times 2^{39} + 0 \cancel{\times 2^{38}} + 1 \times 2^{37} + 0 \cancel{\times 2^{36}} + 0 \cancel{\times 2^{35}} + 0 \cancel{\times 2^{34}} + 1 \times 2^{33} + \\
 & 0 \cancel{\times 2^{32}} + 1 \times 2^{31} + 0 \cancel{\times 2^{30}} + 1 \times 2^{29} + 0 \cancel{\times 2^{28}} + 1 \times 2^{27} + 0 \cancel{\times 2^{26}} + \\
 & 1 \times 2^{25} + 0 \cancel{\times 2^{24}} + 1 \times 2^{23} + 0 \cancel{\times 2^{22}} + 1 \times 2^{21} + \\
 & 0 \cancel{\times 2^{20}} + 1 \times 2^{19} + 0 \cancel{\times 2^{18}} + 1 \times 2^{17} + 0 \cancel{\times 2^{16}} + \\
 & 1 \times 2^{15} + 0 \cancel{\times 2^{14}} + 1 \times 2^{13} + 1 \times 2^{12} + 1 \times 2^{11} + \\
 & 1 \times 2^{10} + 1 \times 2^9 + 1 \times 2^8 + 1 \times 2^7 + 1 \times 2^6 + \\
 & 0 \cancel{\times 2^5} + 0 \cancel{\times 2^4} + 0 \cancel{\times 2^3} + 0 \cancel{\times 2^2} + 0 \cancel{\times 2^1} + 0 \cancel{\times 2^0} \\
 & 698648019880
 \end{aligned}$$

8489781035
 45
 59
 37
 58
 21
 50
 23
 75
 (3)

8
 1031172629
 25
 17
 14
 67
 32
 062
 69
 (5)

8
 132184078
 52
 41
 13
 24
 076
 (6)

8
 16513009
 052
 43
 30
 60
 49
 (1)

8
 2065376
 485
 13
 57
 16
 (0)

$$\begin{array}{r}
 238472 \quad | \quad 8 \\
 18 \quad | \quad 31271 \quad | \quad 8 \\
 21 \quad | \quad 027 \quad | \quad 4033 \quad | \quad 8 \\
 57 \quad | \quad 31 \quad | \quad 033 \quad | \quad 0 \\
 12 \quad | \quad (4) \quad | \quad (1) \quad | \quad 0 \\
 \end{array}$$

↓

-77017401653

01010101010111111111111100000000

Método corto

+ 2 5 2 5 7 7 7 7 6 0 0

Método largo

$$\begin{aligned}
 & 0 \times 2^{36} + 1 \times 2^{35} + 0 \times 2^{34} + 1 \times 2^{33} + 0 \times 2^{32} + 1 \times 2^{31} + 0 \times 2^{30} + 1 \times 2^{29} + 0 \times 2^{28} + \\
 & 1 \times 2^{27} + 0 \times 2^{26} + 1 \times 2^{25} + 0 \times 2^{24} + 1 \times 2^{23} + 1 \times 2^{22} + 1 \times 2^{21} + 1 \times 2^{20} + \\
 & 1 \times 2^{19} + 1 \times 2^{18} + 1 \times 2^{17} + 1 \times 2^{16} + 1 \times 2^{15} + 1 \times 2^{14} + 1 \times 2^{13} + 1 \times 2^{12} + 1 \times 2^{11} + \\
 & 1 \times 2^{10} + 1 \times 2^9 + 1 \times 2^8 + 0 \times 2^7 + 0 \times 2^6 + 0 \times 2^5 + 0 \times 2^4 + 0 \times 2^3 + 0 \times 2^2 + \\
 & 0 \times 2^1 + 0 \times 2^0 = 22917676929
 \end{aligned}$$

$$\begin{array}{c|c|c|c|c}
 2291111111111111 & 8 & 2364109616 & 8 & 339089702 & 8 \\
 69 & 46 & 64 & 38 & 44761087 & 8 \\
 51 & 090 & 61 & 60 & 47 & 5595135 & 8 \\
 37 & 56 & 16 & 48 & 76 & 79 & 699391 \\
 55 & 16 & 16 & 10 & 41 & 75 & \\
 076 & 56 & 16 & 62 & 10 & 31 & \\
 49 & 10 & 62 & 41 & 29 & 73 & \\
 12 & 41 & 62 & 41 & 41 & 15 & \\
 49 & 16 & 62 & 62 & 41 & 15 & \\
 \hline
 \end{array}$$

$$\begin{array}{c|c|c|c|c|c}
 699391 & 8 & 87423 & 8 & 10927 & 8 \\
 59 & 74 & 22 & 24 & 13651 & 8 \\
 33 & 63 & 63 & 52 & 56 & 130 \\
 19 & 47 & 47 & 47 & 05 & 10 \\
 31 & 10 & 10 & 10 & 10 & 21 \\
 \hline
 \end{array}$$

↙

252 577777 + 600

1110001110000001111111100000101010

Método corto

- 161601774052

Método largo

$$\begin{aligned}
 & 1 \times 2^{32} + 1 \times 2^{31} + 1 \times 2^{20} + 0 \times 2^{19} + 0 \times 2^{18} + 0 \times 2^{17} + 1 \times 2^{16} + 1 \times 2^{23} + 1 \times 2^{24} \\
 & 0 \times 2^{22} + 0 \times 2^{21} + 0 \times 2^{20} + 0 \times 2^{19} + 0 \times 2^{18} + 0 \times 2^{17} + 1 \times 2^{16} + 1 \times 2^{15} + \\
 & 1 \times 2^{14} + 1 \times 2^{13} + 1 \times 2^{12} + 1 \times 2^{11} + 1 \times 2^{10} + 1 \times 2^9 + 0 \times 2^8 + \\
 & 0 \times 2^7 + 0 \times 2^6 + 0 \times 2^5 + 0 \times 2^4 + 1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + \\
 & 1 \times 2^0 = 15267758842
 \end{aligned}$$