



① $01197(10) = x(B) = 11000101$

$197/2$

$\boxed{1} \ 98/2$

$\nwarrow \boxed{10} \ 49/2$

$\boxed{1} \ 24/2$

$\boxed{10} \ 12/2$

$\boxed{10} \ 6/2$

$\boxed{10} \ 3/2$

$\boxed{1} \ 1/2$

$\boxed{1} \ 0$

$B \ 277/8 = 425$

$\boxed{5} \ 34/8$

$\nwarrow \boxed{2} \ 14$

$C \ 11011011 = 219$

$\begin{matrix} 128 & 64 & 32 & 16 & 8 & 4 & 2 & 1 \\ \times & \times & \times & \times & \times & \times & \times & \times \end{matrix}$

11011011

$128 + 64 + 0 + 16 + 8 + 0 + 2 + 1 = 219$

$d \ F2D = 3885$

$\begin{matrix} 256 & 128 & 64 \\ \times & \times & \times \end{matrix}$

$F \ 2 \ D$

$3840 + 32 + 13 = 3885$

$e =$

$693/16$

$\nwarrow \boxed{5} \ 43/16$

$\nwarrow \boxed{11} \ 12$

$\boxed{285}$

$e = 1010110101(2) \ 1116$

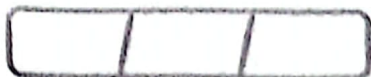
$\begin{matrix} 512 & 256 & 128 & 64 & 32 & 16 & 8 & 4 & 2 & 1 \end{matrix}$

1010110101

$512 + 0 + 128 + 0 + 32 + 16 + 0 + 4 + 0 + 1 = 693$

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①

f 72 16 8 4 2 1

51 | 8

1 1 0 0 1 1

$\sqrt{16} = 6$

$$72 + 16 + 0 + 0 + 2 + 1 = 91$$

g 256 16 1

2748 | 2

A B C

$\sqrt{1774} | 2$

$= 10101011100$

$$2560 + 176 + 12 = 2748$$

$\sqrt{687} | 2$

$\sqrt{743} | 2$

$\sqrt{177} | 2$

$\sqrt{85} | 2$

$\sqrt{42} | 2$

$\sqrt{21} | 2$

$\sqrt{10} | 2$

$\sqrt{5} | 2$

$\sqrt{2} | 2$

$\sqrt{1} | 2$

h 128 64 32 16 8 4 2 1

1 1 0 1 1 0 1 1

$$128 + 64 + 0 + 16 + 8 + 0 + 2 + 1 = 219$$

i) 512 64 8 1

219 | 8

1 2 3 4

$\sqrt{668} | 2$

$\sqrt{27} | 2$

$$512 + 128 + 24 + 4 = 668$$

$\sqrt{334} | 2$

$\sqrt{31} | 2$

$\sqrt{107} | 2$

$\sqrt{33} | 2$

$\sqrt{82} | 2$

$\sqrt{41} | 2$

$\sqrt{20} | 2$

$\sqrt{10} | 2$

$\sqrt{5} | 2$

$\sqrt{2} | 2$

$\sqrt{1} | 2$

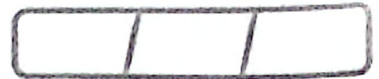
j 27 | 16

$\sqrt{11} | 1$

$\sqrt{18} | 1$

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②

Hex	Octal	Binário
$16 \cdot 0 + 16 + 0 = 27$ 9A 5	$1 \quad 1$ 6 5 4	$1 \quad 1 \quad 1 \quad 1$ 100 100 1
A 9	$1 \quad 2 \quad 5 \quad 9 - 1 = 1$	1 1 0 1 1
9 F C	1 0 0 1	1 0 1 1 1 0
9FC	1001	101110

Binário	Hex	Octal
$1 \quad 1 \quad 1 \quad 1$ + 1 0 0 1 0 1 1	$16 + 0$ F F 12	6 7 4 7
1 1 0 1 1	B 8	3 1 5
1 1 0 0 1 1 0	F E 5 A	6 4 3 2
110 0 1 1 0	FE5A	6432

Binário ₁	Binário ₂	Hex
+ 1 1 1 1 0 0 1	1 1 1 1 0 0 1	+ A A 5
1 1 0 1 1	1 1 0 1 1	A 9
1 0 0 1 0 1 0 6	1 0 1 1 1 1 0	B 4 E
10010100	1011110	B4E

Octal
$4 \quad 8 + 4 = 12$ 6 8 4
1 2 5
5 2 7
527