Conversão Decimal — Hexadecimal
dec → hex

1º Método

$$250_{10} \to hex$$

$$250 \lfloor 16$$

$$\lfloor 16$$

$$\lfloor 16$$

Deuste ajude!

2º métodos

$$16^2 \quad 16^1 \quad 16^0$$

$$F \quad ?$$

0 a f

Boa sorte!

3º métodos

Conversão em 2 passos:

① Dec → Bin ✓

② Bin → Hex ✓

$$250 \mid$$

$$125$$

$$1\ 111\ 1010$$

125	1
62	0
31	1
15	1
7	1
3	1
	1

$$1 \quad F \quad A$$

$$1 \ 0000 \ 0000 \ 1$$
$$1 \ 111 \ 1010_2$$
$$F \quad A$$

Conversão Hexadecimal → Decimal
hex → dec

1º método

$$\overset{16^2}{F} \ \overset{16^1}{1} \ \overset{16^0}{A}_{16} \to dec?$$
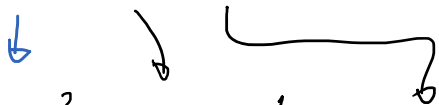
$$F \cdot 16^2 + 1 \cdot 16^1 + A \cdot 16^0$$

$$15 \cdot 256 + 1 \cdot 16 + 10 \cdot 1$$

$$3840 + 16 + 10 = \underline{3866}_{10}$$

2º método

2 passos : ① hex → bin
② bin → dec

$$F1A = \overset{2048 \ 1024 \ 512 \quad 256 \quad 16 \ 8 \ 2}{1111 \ 0001 \ 1010}$$

$$3072$$
$$+ \; 768$$
$$26$$
$$\overline{3866}$$

São Paulo, 18/03/2021

10010 / 11 /

11111100101 ~ 2

$12 / 3 / 7E5_{16}$

OII.IOIO.IIOI.OIOI -> 7ad5
3   A   D   5   3

$$
\begin{array}{l l}
2021 & 1 \\
1010 & 0 \\
505 & 1 \\
252 & 0 \\
126 & 0 \\
63 & 1 \\
31 & 1 \\
15 & 1 \\
7 & 1 \\
3 & 1 \\
& 1
\end{array}
$$

$1111110010 1_2$
7   E   5

$$2047$$
$$-2021$$
$$\overline{26}$$

$0111 \; 1010 \; 1101 \; 0101_2$

"estilo" display, 7 segmentos

$\rightarrow 7AD5_{16} \rightarrow bin$
$\rightarrow dec$

P/ ⊞ → Treine!

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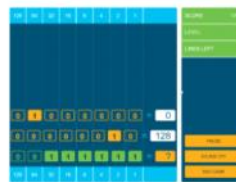Certifications ⌄   Communities ⌄   Webinars & Videos ⌄   Study Resource

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In order to pass your CCENT or CCNA Routing and Switching exam, you need to be proficient at converting decimal numbers to binary numbers and binary numbers to decimal numbers-and do so quickly.

The Cisco Learning Network is here to help with The Binary Game. Increase your understanding of binary numbers and conversion speed by playing this fast-paced game. Before long you'll be doing these conversions in your head.

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