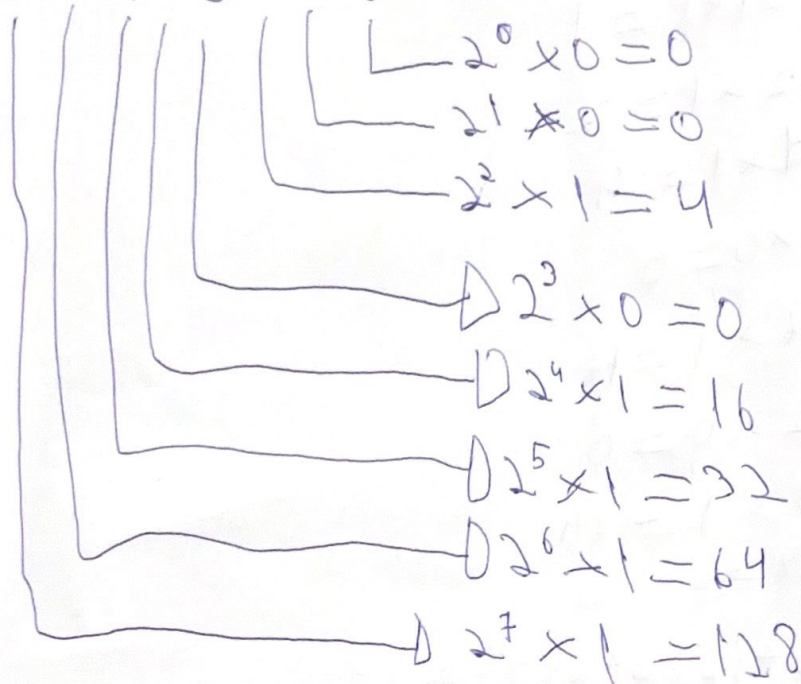


Fernando Gouveas 2021 1-11110100

Binario para Hexadecimal

11110100



$$0 + 0 + 4 + 0 + 16 + 32 + 64 + 128 = 244 //$$

Binario para Decimal

1111	0100
8421	8421
8+4+2+1	0+4+0+0
15	4
F	4

Hexadecimal = F4

Fernando Guilherme Silva

1-01010111

Binário para decimal

01010111

$$\begin{aligned} & \rightarrow 2^0 = 1 \times 1 = 1 \\ & \rightarrow 2^1 = 2 \times 1 = 2 \\ & \rightarrow 2^2 = 4 \times 1 = 4 \\ & \rightarrow 2^3 = 8 \times 0 = 0 \\ & \rightarrow 2^4 = 16 \times 1 = 16 \\ & \rightarrow 2^5 = 32 \times 0 = 0 \\ & \rightarrow 2^6 = 64 \times 1 = 64 \\ & \rightarrow 2^7 = 128 \times 0 = 0 \end{aligned}$$

$$1 + 2 + 4 + 0 + 16 + 0 + 64 + 0 = 87$$

Binário para Hexadecimal

0	1	0	1	0	1	1	1
8 4 2 1				8 4 2 1			
0 4 + 0 + 1				0 4 + 2 + 1			
5				7			

Hexadecimal = 57

2 Conversão Binário Decimal Decimal para Binário

Divisão	Quociente	Resto
$430 \div 2$	215	0
$215 \div 2$	107	1
$107 \div 2$	53	1
$53 \div 2$	26	1
$26 \div 2$	13	0
$13 \div 2$	6	1
$6 \div 2$	3	0
$3 \div 2$	1	1
$1 \div 2$	0	1

Decimal
~~Binário~~ $430_{10} = 110101110_2$

Divisão	Quociente	Resto
$285 \div 2$	142	1
$142 \div 2$	71	0
$71 \div 2$	35	1
$35 \div 2$	17	1
$17 \div 2$	8	1
$8 \div 2$	4	0
$4 \div 2$	2	0
$2 \div 2$	1	0
$1 \div 2$	0	1

Decimal $285_{10} = 100011101_2$

2-285

2 To Binary a Hexadecimal

0001	0001	1101
8421	8421	8421
0001	0001	8401
1	1	13 = D

Hexadecimal

11D

2-430

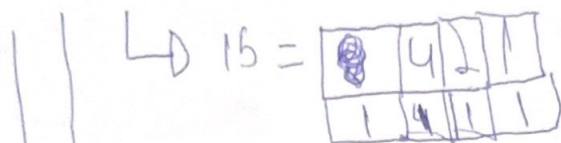
0001	1010	1110
8421	8421	8421
0+0+0+1	8+0+0+0	8+4+2+0
1	10 11 10 A	14 = E

Hexadecimal = 1AE

3-2 AF

Fernando Simoes 20

2 A F



↳ 10 8 4 2 1
1 0 1 0

↳ 8 4 2 1
0 0 1 0

0 0 1 0 1 0 1 1 1 1

↳ $2^0 \times 1 = 1$

↳ $2^1 \times 1 = 2$

↳ $2^2 \times 1 = 4$

↳ $2^3 \times 1 = 8$

15

+

↳ $2^4 \times 0 = 0$

↳ $2^5 \times 1 = 32$

↳ $2^6 \times 0 = 0$

↳ $2^7 \times 1 = 128$

160

↳ $2^8 \times 0 = 0$

+

↳ $2^9 \times 1 = 512$

512

↳ $2^{10} \times 0 = 0$

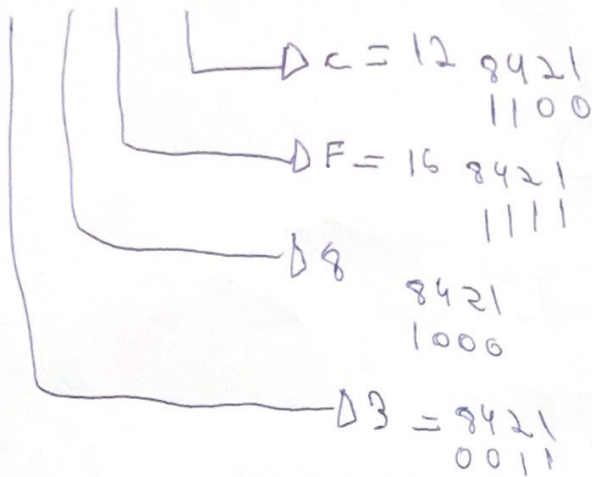
↳ $2^{11} \times 0 = 0$

687

3-38 FC

Fernando Guimaraes Silva

38 FC



0011 1000 1111 1100

