Number Conversions

Friday, 11 December 2020 3:11 PM

Den ⟷ Bin ⟺ Hex

Denary	Binary (128 64 32 16 | 8 4 2 1)	Hex	
	(8 4 2 1 | 8 4 2 1)		
70	0 1 0 0 | 0 1 1 0	46	A 10
30	0 0 0 1 | 1 1 1 0	1E	B 11
127	0 1 1 1 | 1 1 1 1	7F	C 12
200	1 1 0 0 | 1 0 0 0	C8	D 13
63	0 0 1 1 | 1 1 1 1	3F	E 14
15	0 0 0 0 | 1 1 1 1	0F	F 15
20	0 0 0 1 | 0 1 0 0	14	
50	0 0 1 1 | 0 0 1 0	32	
250	1 1 1 1 | 1 0 1 0	FA	
255	1 1 1 1 | 1 1 1 1	FF	
0	0 0 0 0 | 0 0 0 0	00	
150	1 0 0 1 | 0 1 1 0	96	
163	1 0 1 0 | 0 0 1 1	A3	
254	1 1 1 1 | 1 1 1 0	FE	

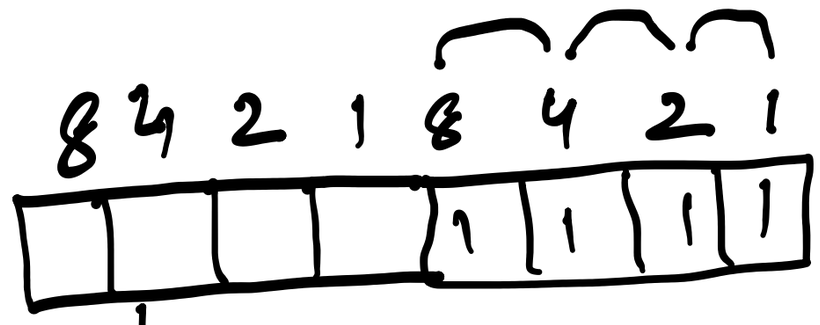
1 ODD
0 EVEN.

Hexa-Decimal:

0 1 2 3 4 5
6 7 8 9 A B
C D E F → Single Largest Digit in Hexa-Decimal.

→ It means → - we can save two Hex digits in 1 Byte - 8 bits.

$(F)_{16} = (15)_{10}$



$(70)_{10} = (46)_{16}$