



PREGUNTAS DE EXAMEN 4a

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Bloque: 150

Crear tabla de sistema en base2 a 1000 en base 10(referencia), debe aparecer la base 10 en una columna y en la otra su correspondiente en base2.

Tabla 1: Numero de decimal a binario y metodología para lógralo.		
Referencia	Binario	Operación
0	0	$0x2^0=0$
1	1	$1x2^0=1$
2	10	$1x2^1+0x2^0=2$
3	11	$1x2^1+1x2^0=3$
4	100	$1x2^2+0x2^1+0x2^0=4$
5	101	$1x2^2+0x2^1+1x2^0=5$
6	110	$1x2^2+1x2^1+0x2^0=6$
7	111	$1x2^2+1x2^1+1x2^0=7$
8	1000	$1x2^3+0x2^2+0x2^1+0x2^0=8$
9	1001	$1x2^3+0x2^2+0x2^1+0x2^1=9$
10	1010	$1x2^3+0x2^2+1x2^1+0x2^0=10$
11	1011	$1x2^3+0x2^2+1x2^1+1x2^0=11$
12	1100	$1x2^3+1x2^2+0x2^1+0x2^0=12$
13	1101	$1x2^3+1x2^2+0x2^1+1x2^0=13$
14	1110	$1x2^3+1x2^2+1x2^1+0x2^0=14$
15	1111	$1x2^3+1x2^2+1x2^1+1x2^0=15$
20	10100	$1x2^4+0x2^3+1x2^2+0x2^1+0x2^0=20$
40	101000	$1x2^5+0x2^4+1x2^3+0x2^2+0x2^1+0x2^0=40$
60	111100	$1x2^5+1x2^4+1x2^3+1x2^2+0x2^1+0x2^0=60$
80	1010000	$1x2^6+0x2^5+1x2^4+0x2^3+0x2^2+0x2^1+0x2^0=80$
100	1100100	$1x2^6+1x2^5+0x2^4+0x2^3+1x2^2+0x2^1+0x2^0=100$
200	11001000	$1x2^7+1x2^6+0x2^5+0x2^4+1x2^3+0x2^2+0x2^1+0x2^0=200$
300	100101100	$1x2^8+0x2^7+0x2^6+1x2^5+0x2^4+1x2^3+1x2^2+0x2^1+0x2^0=300$
400	110010000	$1x2^8+1x2^7+0x2^6+0x2^5+1x2^4+0x2^3+0x2^2+0x2^1+0x2^0=400$
500	111110100	$1x2^8+1x2^7+1x2^6+1x2^5+1x2^4+0x2^3+1x2^2+0x2^1+0x2^0=500$
1000	1111101000	$1x2^9+1x2^8+1x2^7+1x2^6+1x2^5+0x2^4+1x2^3+0x2^2+0x2^1+0x2^0=1000$