Luan Lucas de Lima Peloso
20240005644

1) a) 197(10) = x(B) = 11000101

197|2
1 98|2
0 49|2
1 24|2
0 12|2
0 6|2
0 3|2
1 1|2
1 0

B) - 277|8 = 425
5 34|8
2 4

C) 1 1 0 1 1 0 1 1 = 219
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

d) F2D = 3885
256 16 1
F 2 D
3840+32+13 = 3885

e) 693|16
5 43|16
11 2
2B5

e = 1 0 1 0 1 1 0 1 0 1 (2) |16
512 256 128 64 32 16 8 4 2 1
1 0 1 0 1 1 0 1 0 1
512+0+128+0+32+16+0+4+0+1 = 693

FORONI

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2024000544

①

f) 32 16 8 4 2 1
1 1 0 0 1 1
32 + 16 + 0 + 0 + 2 + 1 = 51

51 | 8
7 6 = 63

g) 256 16 1
A B C
2560 + 176 + 12 = 2748

2748 | 2
0 1374 | 2
0 687 | 2
1 343 | 2
1 171 | 2
1 85 | 2
1 42 | 2
0 21 | 2
1 10 | 2
0 5 | 2
1 2 | 2
0 1

= 101010111100

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
1 2 3 4
512 + 128 + 24 + 4 = 668

668 | 2
0 334 | 2
0 167 | 2
1 83 | 2
1 41 | 2
1 20 | 2
0 10 | 2
0 5 | 2
1 2 | 2
0 1

219 | 8
3 27
3 3

333

10100 11100

J) 27 | 16
11 1 1B

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2024000 5644

② Hex	Octal	Binário
16+5=21		
9 A A 5	1 1	1 1 1 1 1 1 1
− A 9	+ 6 5 4	− 1 0 0 1 0 0 1
9 F C	1 2 5	1 1 0 1 1
9FC	1001	101110

Binário	Hex	Octal
1 1 1 1	16+0	
+ 1 0 0 1 0 1 1	− F F 12	− 6747
1 1 0 1 1	B 8	315
1 1 0 0 1 1 0	F E 5 A	6432
1100110	FE5A	6432

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

Octal

4 8+4=12

6 8 4

1 2 5

5 2 7

527