CÁLCULO IP – ATIVIDADES – Iuri Salgado

ENDEREÇOS	MÁSCARA	TOTAL IPS	IPS VÁLIDOS	ENDEREÇO REDES	ENDEREÇO BROAD.	PRIMEIRO IP	ÚLTIMO IP
192.165.2.3/25	225.225.225.128	128	126	192.165.2.0	192.165.2.127	192.165.2.1	192.165.2.126
12.32.3.5/26	225.225.225.64	64	62	12.32.3.0	12.32.3.63	12.35.3.1	12.35.3.62
10.10.28.34/28	225.225.225.16	16	14	10.10.28.0	10.10.28.15	10.10.28.1	10.10.28.14
172.10.34.56/30	225.225.225.4	4	2	172.10.34.0	172.10.34.3	172.10.34.1	172.10.34.2
198.13.23.85/29	225.225.225.8	8	6	198.13.23.0	198.13.23.5	198.13.23.1	198.13.23.6
10.30.56.43/27	225.225.225.2	32	30	10.30.56.0	10.30.56.31	10.30.56.1	10.30.56.30

11111111.11111111.11111111.10000000 – 2^7=128
11111111.11111111.11111111.11000000 – 2^6 = 64
11111111.11111111.11111111.11110000 – 2^4 = 16
11111111.11111111.11111111.11111100 – 2^2 = 4
11111111.11111111.11111111.11111000 – 2^3 = 8
11111111.11111111.11111111.11100000 – 2^5 = 32

7 6 5 4 3 2 1 0
128 64 32 16 8 4 2 1

Converta para binário

12 /2 =6/2=3/2=1 r 1
1100(bin)

34 /2=17/2=8/2=4/2=2/2=1
100010(bin)

234 /2=117/2=58/2=29/2=14/2=7/2=3/2=1 r1
11101010(bin)

54 /2=27/2=13/2=6/2=3/2=1 r1
110110(bin)

23 /2=11/2=5/2=2/2=1
10111(bin)

Converta para =decimal

13f = 15+48+256 =
319(dec)

96c = 12+96+2304=
2412(dec)

ab9 = 9+176+2560
2745(dec)

b5d = 13+80+2816
2909(dec)

converta para decimal

1111100 = 124(dec)
0101111 = 47(dec)
00000011 = 3(dec)
111100111 = 487(dec)
1101111 = 111(dec)