

16/17052 Victor Manuel Nava

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

a) 172.30.200.0/20

- i LAN Guillermo - 2000 Host $\Rightarrow 2^{11} - 2 = 2046$
- ii LAN Missael - 700 Host $\Rightarrow 2^{10} - 2 = 1022$
- iii LAN Cynthia - 120 Host $\Rightarrow 2^7 - 2 = 126$
- iv LAN Paulina - 50 Host $\Rightarrow 2^6 - 2 = 62$
- v WAN Hector - 2 Host $\Rightarrow 2^2 - 2 = 2$
- vi WAN Sergio - 2 Host $\Rightarrow 2^2 - 2 = 2$

- i Mascara \Rightarrow 1111111.1111111.1111111.0000000 /21
- ii Mascara \Rightarrow 1111111.1111111.0000000.0000000 /22
- iii Mascara \Rightarrow 1111111.1111111.0000000.0000000 /25
- iv Mascara \Rightarrow 1111111.1111111.0000000.0000000 /26
- v Mascara \Rightarrow 1111111.1111111.0000000.0000000

Sob Red

21	172.30.0.0	172.30.0.1 - 172.30.7.254	172.30.7.255 /21
22	172.30.8.0	172.30.8.1 - 172.30.11.254	172.30.11.255 /22
25	172.30.12.0	172.30.12.1 - 172.30.12.126	172.30.12.127 /25
26	172.30.12.128	172.30.12.129 - 172.30.12.190	172.30.12.191 /26
30	172.30.12.192	172.30.12.193 - 172.30.12.194	172.30.12.195 /30
30	172.30.12.196	172.30.12.197 - 172.30.12.198	172.30.12.199 /30
	172.30.12.200		