1)172.21.192.38 / 22

2)192.168.168.254 / 20

3)10.0.0.6/16

4)172.19.54.39/ 23

Calcula el número de hosts, red y difusión

1)

Hosts = 2^10 - 2 = 1022

Red = 172.21.192.0

Difusión = x.x.110000(00.00000000) = x.x.110000(11.11111111) = 172.21.175.255

2)

Hosts = 2^12 - 2 = 4094

Red = = x.x.1010(1000.00000000) x.x.1010(0000.00000000) = 192.168.160.255

Difusión = x.x.1010(1000.00000000) x.x.1010(1111.11111111) = 192.168.175.255

3)

Hosts = 2^16 - 2 = 65534

Red = = x.x.000000000.000000000 = 10.0.0.0

Difusión = = x.x.11111111.11111111 = 10.0.255.255

4)

Hosts = 2^9 - 2 = 510

Red = x.x.0011011(0.00000000) = x.x.0011011(00.00000000) = 172.19.54.0

Difusión = x.x.0011011(0.00000000) = x.x.0011011(11.11111111) = 172.19.55.255