

**a) IP: 192.168.0.3/8**

ip: 11000000.10101000.00000000.00000011  
masc: 11111111.00000000.00000000.00000000  
brdct: 11000000.11111111.11111111.11111111  
192.255.255.255

**b) IP: 10.20.30.40/16**

ip: 00001010.00010100.00011110.00101000  
masc: 11111111.11111111.00000000.00000000  
brdct: 00001010.00010100.11111111.11111111  
10.20.255.255

**c) IP: 10.0.200.57/27**

ip: 00001010.00000000.11001000.00111001  
masc: 11111111.11111111.11111111.11100000  
brdct: 00001010.00000000.11001000.00111111  
10.0.200.63

**d) IP: 200.250.123.48**

masc: 255.255.252.0  
ip: 11001000.11111010.11110110.00110000  
masc: 11111111.11111111.11111100.00000000  
brdct: 11001000.11111010.11110111.11111111  
200.250.123.255

**e) IP: 182.94.220.74/18**

ip: 10110110.01011110.11011100.01001010  
masc: 11111111.11111111.11000000.00000000  
brdct: 10110110.01011110.11111111.11111111  
182.94.255.255

**f) IP: 172.203.49.109/20**

ip: 10101100.11001011.00110001.01101101  
masc: 11111111.11111111.11110000.00000000  
brdct: 10101100.11001011.00111111.11111111  
172.203.63.255

**g) IP: 178.180.172.225**

máscara: 255.255.240.0  
ip: 10110010.10110100.10101100.11111111  
masc: 11111111.11111111.11110000.00000000  
brdct: 10110010.10110100.10101111.11111111  
178.180.175.225