1. Which bits are the network component and which bits are the node component given the following:

IPv4

192.168.38.5

Subnet Mask

255.255.128.0

192.168.38.5 = 11000000.10101000.00100110.00000101

255.255.128.0 = 11111111.11111111.10000000.00000000

1. Convert your IPv6 to binary. Mine: ::6591:2d41:5ac0:4942 = 00000000.00000000.00000000.00000000.110010110010001.10110101000001.101101011000000.100100101000010

192.168.0.15 = 01011011101000100000001001111