

Subnetting Practice

Given a host address of 152.202.34.4 and a subnet mask of 255.255.254.0, find the directed broadcast address and the wire address of the subnetwork to which this host belongs.

Given the subnet mask of 255.255.254.0 and a host address of 152.202.64.51, find the subnetwork number to which this host belongs.

Given a host address of 132.20.0.193 and that you borrowed 11 bits, find the subnet mask and the wire address of the subnet to which this host belongs.

Given the subnet mask of 255.255.128.0 and a host address of 32.20.130.0, find:

- a. the number of bits borrowed
- b. the number of subnets in this arrangement
- c. the subnet number to which this host belongs
- d. the directed broadcast address for this subnet
- e. the wire address of the native network
- f. the class of the native network

Given the subnet address of 210.10.10.208 and the subnet mask with 29 bits, find the number of bits borrowed and the subnet's broadcast address.

Given the subnet mask of 255.255.255.224 and the host address of 202.20.30.72, find the directed broadcast address for the subnet to which the host belongs.

Given 210.10.10.115 and a subnet mask with 28 bits, find the subnet number and the wire address for the subnet to which the host belongs.

Given the subnet address of 202.22.22.160 and a subnet mask of 27 bits, find the number of bits borrowed and the subnet number.

Given the subnet mask of 255.255.255.240 and the host address of 220.20.20.97, specify the number of bits borrowed, the corresponding subnetwork wire address and directed broadcast address.

Given the license 190.90.0.0 and the fact that you have 2046 subnets created, find the number of bits borrowed, and the following information about subnet number 100: wire address, directed broadcast address, and valid range of host IP addresses.

Given the subnet mask of 255.255.252.0 how many hosts can be accommodated? If a host IP address of 116.77.88.99 is associated with this mask, how many bits were borrowed?

Given the host address of 147.47.0.12 and a subnet mask with 29 bits, find the number of bits borrowed, the subnet number and the directed broadcast and wire addresses.

Given a directed broadcast address of 120.223.255.255 and a subnet mask of 255.224.0.0, find the number of bits borrowed, the subnet's wire address, and the valid range of host IP addresses.

Given a host with IP 210.10.10.114 and a subnet mask with 30 bits, find the subnet number and the wire address for the subnet to which the host belongs.