

Assignment 10: Networking Basics and Subnetting

Task A:

Category	IP Address	Binary Format
Address	192.168.100.4	11000000.10101000.1100100.100
Netmask	28	
Network address	192.168.100.0	11000000.10101000.1100100.0
Broadcast address	192.168.100.15	11000000.10101000.1100100.111
First IP	192.168.100.1	11000000.10101000.1100100.1
Last IP	192.168.100.14	11000000.10101000.1100100.1110
Maximum host in the network	14	

Task B:

Category	IP Address	Binary Format
Address	170.1.0.0	10101010.1.0.0
Netmask	26	
Network address	170.1.0.0	10101010.1.0.0
Broadcast address	170.1.0.63	10101010.1.0.111111
First IP	170.1.0.1	10101010.1.0.1
Last IP	170.1.0.62	10101010.1.0.111110
Maximum host in the network	62	