

CYSE 270 Linux System For Cybersecurity  
 Lab 10  
 Matthew Fox

**Task - A**

Category	IP Address	Binary Format
Address	192.168.100.4	11000000.10101000.0110010 0.0000 0100
Netmask	28	11111111.11111111.11111111.1 111 0000
Network Address	192.168.100.0	11000000.10101000.0110010 0.0000 0000
Broadcast address	192.168.100.15	11000000.10101000.0110010 0.0000 1111
First IP	192.168.100.1	11000000.10101000.0110010 0.0000 0001
Last IP	192.168.100.14	11000000.10101000.0110010 0.0000 1110
Maximum Host in the network	14	14

**Task B**

Category	IP Address	Binary Format
Address	170.1.0.0	10101010.00000001.000000 00.00 000000
Netmask	26	11111111.11111111.11111111.1 1 000000
Network Address	170.1.0.0	10101010.00000001.000000 00.00 000000
Broadcast address	170.1.0.63	10101010.00000001.000000 00.00 111111
First IP	170.1.0.1	10101010.00000001.000000 00.00 000001
Last IP	170.1.0.62	10101010.00000001.000000 00.00 111110
Maximum Host in the network	62	62

