

Task A:

Category	IP address	Binary format
Address	192.168.100.4	11000000.10101000.0110010 0.00000100
Netmask (/28)	255.255.255.240	11111111.11111111.11111111. 11110000
Network address	192.168.100.0	11000000.10101000.0110010 0.00000000
Broadcast address	192.168.100.15	11000000.10101000.0110010 0.00001111
First IP	192.168.100.1	11000000.10101000.0110010 0.00000001
Last IP	192.168.100.14	11000000.10101000.0110010 0.00001110
Maximum host in the network	14	

Task B:

Category	IP address	Binary format
Address	170.1.0.0	10101010.00000001.0000000 0.00000000
Netmask (/26)	255.255.255.192	11111111.11111111.11111111. 11000000
Network address	170.1.0.0	10101010.00000001.0000000 0.00000000
Broadcast address	170.1.0.63	10101010.00000001.0000000 0.00111111
First IP	170.1.0.1	10101010.00000001.0000000 0.00000001

Last IP	170.1.0.62	10101010.00000001.00000000 0.00111110
Maximum host in the network	62	