ip:   1.1.1.1
subm:   255.0.0.0
bin   11111111.00000000.00000000.00000000
bin    00000000.11111111.11111111.11111111
Network:   1.0.0.0/8
Broadcast: 1.255.255.255
Getway:   1.0.0.1
host $2^{24}$=


ip:   128.1.6.5
subm:   255.240.0.0
bin   10000000.0000 0001.00000110.00000101
bin   11111111.1111 0000.00000000.00000000
Network:   128.0.0.0
Broadcast: 128.15.255.255
Getway:   128.0.0.1
host $2^{20}$

ip:   200.1.9.8
subm:   255.255.255.0 = 24
bin 11001000.00000001.00001001 .00001000
bin  11111111.11111111.11111111 .00000000
Network:   200.1.9.0/24
Broadcast: 200.1.9.255
gatway:   200.1.9.1
Host: 254


ip:   200.1.2.3
subm:   255.255.255.0 = 24
bin   11001000.00000001.00000010 .00000011
bin   11111111.11111111.11111111 .00000000
Network:   200.1.2.0/24
Broadcast: 200.1.2.255
gatway:   200.1.2.1
Host: 254

ip:   192.192.1.1
subm:   255.255.252.0 = 22
bin 11000000.11000000.000000 01.00000001
bin 11111111.11111111.111111 00.00000000
Network:   192.192.0.0/22
Broadcast: 192.192.3.255
gatway:   192.192.0.1
Host: 1022

Address:   126.5.4.3
submask:   255.128.0.0 = 9
bin  01111110.00000101.00000100.00000011
bin  11111111.10000000.00000000.00000000
network:   126.0.0.0/9
broadcast: 126.127.255.255
gatway:   126.0.0.1
host: 2^23


Address:   172.16.0.4
submsk:   255.255.0.0 = 16
bin   10101100.00010000 .00000000.00000100
bin  11111111.11111111 .00000000.00000000
network:   172.16.0.0/16
broadcast: 172.16.255.255
gatway:   172.16.0.1
host: 65534