Esercizio Lezione2

1.1.1.1/8

Ip binario:
00000001.00000001.00000001.00000001
Subnet binario:
11111111.00000000.00000000.00000000

- Indirizzo ip: 1.1.1.1
- Subnet: 255.0.0.0
- Ip network: 1.0.0.0
- Host: 1.1.1

Inversione subnet:
00000000.11111111.11111111.11111111
Broadcast binario:
00000001.11111111.11111111.11111111
- Broadcast: 1.255.255.255

Indirizzi: 256x256x256= 16777216-2= 16777214

128.1.6.5/12

Ip binario:
10000000.00000001.00000110.00000101
Subnet binario:
11111111.11110000.00000000.00000000

- Indirizzo ip: 128.1.6.5
- Subnet: 255.240.0.0
- Ip network: 128.0.0.0
- Host: 1.6.5

Inversione subnet:
00000000.00001111.11111111.11111111
Broadcast binario:
10000000.00001111.11111111.11111111
- Broadcast: 128.15.255.255

Indirizzi: 256x256x16= 1048576-2= 1048574

200.1.2.3/24

Ip binario:
11001000.00000001.00000010.00000011
Subnet binario:
11111111.11111111.11111111.00000000

- Indirizzo ip: 200.1.2.3
- Subnet: 255.255.255.0
- Ip network: 200.1.2.0
- Host: 3

Inversione subnet:
00000000.00000000.00000000.11111111
Broadcast binario:
11001000.00000001.00000010.11111111
- Broadcast: 200.1.2.255

Indirizzi: 256-2= 254

192.192.1.1/22

Ip binario:
11000000.11000000.00000001.00000001
Subnet binario:
11111111.11111111.11111100.00000000

- Indirizzo ip: 192.192.1.1
- Subnet: 255.255.252.0
- Ip network: 192.192.0.0
- Host: 1.1

Inversione subnet:
00000000.00000000.00000011.11111111
Broadcast binario:
11000000.11000000.00000011.11111111
- Broadcast: 192.192.3.255

Indirizzi: 256x4= 1024-2= 1022

126.5.4.3/9

Ip binario:
01111110.00000101.00000100.00000011
Subnet binario:
11111111.10000000.00000000.00000000

- Indirizzo ip: 126.5.4.3
- Subnet: 255.128.0.0
- Ip network: 126.0.0.0
- Host: 5.4.3

Inversione subnet:
00000000.01111111.11111111.11111111
Broadcast binario:
01111110.01111111.11111111.11111111
- Broadcast: 126.127.255.255

Indirizzi: 256x256x128= 8388608-2= 8388606

200.1.9.8/24

Ip binario:
11001000.00000001.00001001.00001000
Subnet binario:
11111111.11111111.11111111.00000000

- Indirizzo ip: 200.1.9.8
- Subnet: 255.255.255.0
- Ip network: 200.1.9.0
- Host: 8

Inversione subnet:
00000000.00000000.00000000.11111111
Broadcast binario:
11001000.00000001.00001001.11111111
- Broadcast: 200.1.9.255

Indirizzi: 256-2= 254

172.16.0.4/16

Ip binario:
10101100.00010000.00000000.00000100
Subnet binario:
11111111.11111111.00000000.00000000

- Indirizzo ip: 172.16.0.4
- Subnet: 255.255.0.0
- Ip network: 172.16.0.0
- Host: 0.4

Inversione subnet:
00000000.00000000.11111111.11111111
Broadcast binario:
10101100.00010000.11111111.11111111
Broadcast: 172.16.255.255

Indirizzi: 256x256= 65536-2= 65534