

S1/L2

Esercizi IP

■ Network

■ Host

■ CIDR

IP Network: 1.0.0.0

IP Gateway: 1.0.0.1

IP Broadcast: 1.255.255.255

Range IP Host: 1.0.0.2 – 1.255.255.254

1.1.1.1/8

Classe A

Subnet Mask: 255.0.0.0

Numero Host: $2^{24} - 2 = 16777214$

11111111.00000000.00000000.00000000

 Network

 Host

 CIDR

IP Network: 128.0.0.0

IP Gateway: 128.0.0.1

IP Broadcast: 128.15.255.255

Range IP Host: 128.0.0.2 -128.15.255.254

128.1.6.5/**12**


Classe B

Subnet Mask: 255.240.0.0

Numero Host: $2^{20} - 2 = 1048574$

11111111.11110000.00000000.00000000

 Network

 Host

 CIDR

IP Network: 200.1.2.0

IP Gateway: 200.1.2.1

IP Broadcast: 200.1.2.255

Range IP Host: 200.1.2.2 - 200.1.2.254

200.1.2.3/**24**


Classe C

Subnet Mask: 255.255.255.0

Numero Host: $2^8 - 2 = 254$

11111111.11111111.11111111.00000000

 Network

 Host

 CIDR

IP Network: 192.192.0.0

IP Gateway: 192.192.0.1

IP Broadcast: 192.192.3.255

Range IP Host: 192.192.0.1- 92.192.0.254

192.192.1.1/**22**


Classe C

Subnet Mask: 255.255.252.0

Numero Host: $2^{10} - 2 = 1022$

11111111.11111111.11111100.00000000

 Network

 Host

 CIDR

IP Network: 126.0.0.0

IP Gateway: 126.0.0.1

IP Broadcast: 126.127.255.255

Range IP Host: 126.0.0.2 - 126.127.255.254

126.5.4.3/**9**


Classe A

Subnet Mask: 255.128.0.0

Numero Host: $2^{23} - 2 = 8388606$

11111111.10000000.00000000.00000000

 Network

 Host

 CIDR

IP Network: 200.1.9.0

IP Gateway: 200.1.9.1

IP Broadcast: 200.1.9.255

Range IP Host: 200.1.9.2 – 200.1.9.254

200.1.9.8/**24**


Classe C

Subnet Mask: 255.255.255.0

Numero Host: $2^8 - 2 = 254$

11111111.11111111.11111111.00000000

 Network

 Host

 CIDR

IP Network: 172.16.0.0

IP Gateway: 172.16.0.1

IP Broadcast: 172.16.255.255

Range IP Host: 172.16.0.2 - 172.16.255.254

172.16.0.4/**16**

Classe B

Subnet Mask: 255.255.0.0

Numero Host: $2^{16} - 2 = 65534$

11111111.11111111.00000000.00000000