Esercizi S1L2

- *Numero 1*

1.1.1.1/8

00000001.00000001.00000001.00000001
11111111.00000000.00000000.00000000

Classe = **A**
Subnet mask = **255.0.0.0**
CIDR = **8**
Host = (2^24)-2 = **16'777'214**
IP network = **1.0.0.0**
IP Gateway convenzionale = **1.0.0.1**

00000001.11111111.11111111.11111111

IP Broadcast = **1.255.255.255**

- *Numero 2*

128.1.6.5/12

10000000.00000001.00000110.00000101
11111111.11110000.00000000.00000000

Classe = **B**
Subnet mask = **255.240.0.0**
CIDR = **12**
Host = **(2^20)-2 = 1'048'574**
IP network = **128.0.0.0**
IP Gateway convenzionale = **128.0.0.1**

10000000.00001111.11111111.11111111

IP Broadcast = **128.15.255.255**

- *Numero 3*

200.1.2.3/24

11001000.00000001.00000010.00000011
11111111.11111111.11111111.00000000

Classe = **C**
Subnet mask = **255.255.255.0**
CIDR = **24**
Host = **(2^8)-2 = 254**
IP network = **200.0.0.0**
IP Gateway convenzionale = **200.0.0.1**

11001000.00000001.00000010.11111111

IP Broadcast = **200.1.2.255**

- *Numero 4*

192.192.1.1/22

11000000.11000000.00000001.00000001
11111111.11111111.11111100.00000000

Classe = **C**
Subnet mask = **255.255.252.0**
CIDR = **22**
Host = **(2^10)-2 = 1'022**
IP network = **192.0.0.0**
IP Gateway convenzionale = **192.0.0.1**

11000000.11000000.00000011.11111111

IP Broadcast = **192.192.3.255**

- *Numero 5*

126.5.4.3/9

01111110.00000101.00000100.00000011
11111111.10000000.00000000.00000000

Classe = **A**
Subnet mask = **255.128.0.0**
CIDR = **9**
Host = **(2^23)-2 = 8'388'606**
IP network = **126.0.0.0**
IP Gateway convenzionale = **126.0.0.1**

01111110.01111111.11111111.11111111

IP Broadcast = **126.127.255.255**

- *Numero 6*

200.1.9.8/24

11001000.00000001.00001001.00001000
11111111.11111111.11111111.00000000

Classe = **C**
Subnet mask = **255.255.255.0**
CIDR = **24**
Host = **(2^8)-2 = 254**
IP network = **200.0.0.0**
IP Gateway convenzionale = **200.0.0.1**

11001000.00000001.00001001.11111111

IP Broadcast = **200.1.9.255**

- *Numero 7*

172.16.0.4/16

10101100.00010000.00000000.00000100
11111111.11111111.00000000.00000000

Classe = **B**
Subnet mask = **255.255.0.0**
CIDR = **16**
Host = **(2^16)-2 = 65'534**
IP network = **172.0.0.0**
IP Gateway convenzionale = **172.0.0.1**

10101100.00010000.11111111.11111111

IP Broadcast = **172.16.255.255**