Esercizi IP

- 1.1.1.1/8
- 128.1.6.5/12
- 200.1.2.3/24
- 192.192.1.1/22
- 126.5.4.3/9
- 200.1.9.8/24
- 172.16.0.4/16

IP 1.1.1.1/8	
IP Address decimal	1.1.1.1
IP Address binary	00000001.00000001.00000001.00000001
Subnet mask decimal	255.0.0.0
Subnet mask binary	11111111.00000000.00000000.00000000
CIDR	/8
Class	A
Network IP Address	1.0.0.0
IP Gateway	1.0.0.1
Broadcast IP Address	1.255.255.255
Total hosts	2^(32-22)-2=1677214

IP 128.1.6.5/12	
IP Address decimal	128.1.6.5
IP Address binary	10000000.00000001.00000110.00000101
Subnet mask decimal	255.240.0.0
Subnet mask binary	11111111.11110000.00000000.00000000
CIDR	/12
Class	B
Network IP Address	128.0.0.0
IP Gateway	128.0.0.1
Broadcast IP Address	128.15.255.255
Total hosts	2^(32-12)-2= 1048574

IP 200.1.2.3/24	
IP Address decimal	200.1.2.3

IP Address binary	11001000.00000001.00000010.0000000011
Subnet mask decimal	255.255.255.0
Subnet mask binary	11111111.11111111.11111111.00000000
CIDR	/24
Class	C
Network IP Address	200.1.2.0
IP Gateway	200.1.2.1
Broadcast IP Address	200.1.2.255
Total hosts	2^(32-24)-2= 254
IP 192.192.1.1/22	
IP Address decimal	192.192.1.1
IP Address binary	11000000.11000000.00000001.00000001
Subnet mask decimal	255.255.255.0
Subnet mask binary	11111111.11111111.11111100.00000000
CIDR	/22
Class	C
Network IP Address	192.192.0.0
IP Gateway	192.192.0.1
Broadcast IP Address	192.192.3.255
Total hosts	2^(32-22)-2= 1022
IP 126.5.4.3/9	
IP Address decimal	126.5.4.3
IP Address binary	01111110.00000101.00000100.00000011
Subnet mask decimal	255.128.0.0
Subnet mask binary	11111111.10000000.00000000.00000000
CIDR	/9
Class	A
Network IP Address	126.0.0.0
IP Gateway	126.0.0.1

Broadcast IP Address	126.127.255.255
Total hosts	2^(32-9)-2= 8388606

IP 172.16.0.4/16

IP Address decimal	172.16.0.4
IP Address binary	10101100.00010000.00000000.00000100
Subnet mask decimal	255.255.0.0
Subnet mask binary	11111111.11111111.00000000.00000000
CIDR	/16
Class	B
Network IP Address	172.16.0.0
IP Gateway	172.16.0.1
Broadcast IP Address	172.16.255.255
Total hosts	2^(32-16)-2= 65534

IP 200.1.9.8/24

IP Address decimal	200.1.9.8
IP Address binary	11001000.00000001.00001001.00001000
Subnet mask decimal	255.255.255.0
Subnet mask binary	11111111.11111111.11111111.00000000
CIDR	/24
Class	C
Network IP Address	200.1.9.0
IP Gateway	200.1.9.1
Broadcast IP Address	200.1.9.255
Total hosts	2^(32-24)-2= 254