

IP : 128.1.6.5 /12

IP BINARIO : 10000000 . 00000001 . 00000110 . 00000101

MASCHERA : 11111111 . 11110000 . 00000000 . 00000000 = 255.240.0.0

RETE: 10000000 . 00000000 . 00000000 . 00000000 = 128.0.0.0

BROADCAST : 10000000 . 00001111 . 11111111 . 11111111 = 128.15.255.255

GATEWAY 1 : 10000000 . 00000000 . 00000000 . 00000001 = 128.0.0.1

GATEWAY2 : 10000000 . 00001111 . 11111111 . 11111110 = 128.15.255.254

NUMERO HOST MASSIMO : $2^{20}-2 = 1\,048\,574$

RETE : 1 OTTETTO E MEZZO

HOST: 2 OTTETTI E MEZZO

IP: 200.1.2.3/24

IP BINARIO : 11001000 . 00000001 . 00000010 . 00000011

MASCHERA: 11111111 . 11111111 . 11111111 . 00000000 = 255 . 255 . 255 . 0

RETE: 11001000 . 00000001 . 00000010 . 00000000 = 200 . 1 . 2 . 0

BROADCAST: 11001000 . 00000001 . 00000010 . 11111111 = 200 . 1 . 2 . 255

GATEWAY 1 11001000 . 00000001 . 00000010 . 00000001 = 200 . 1 . 2 . 1

GATEWAY 2 11001000 . 00000001 . 00000010 . 11111110 = 200 . 1 . 2 . 254

NUMERO HOST MASSIMO : $2^8-2 = 254$

RETE : 3 OTTETTI

HOST : 1 OTTETTO

IP: 192 . 192 . 1 . 1 / 22

IP BINARIO : 11000000 . 11000000 . 00000001 . 00000001

MASCHERA : 11111111 . 11111111 . 11111100 . 00000000 = 255 . 255 . 252 . 0

RETE : 11000000 . 11000000 . 00000000 . 00000000 = 192.192.0.0

BROADCAST: 11000000 . 11000000 . 00000011 . 11111111 = 192.192.3.255

GATEWAY 1: 11000000 . 11000000 . 00000000 . 00000001 = 192.192.0.1

GATEWAY 2: 11000000 . 11000000 . 00000011 . 11111110 = 192.192.3.254

NUMERO HOST MASSIMO: $2^{10}-2 = 1022$

RETE : 2 OTTETTI E 6/8

HOST: 1 OTTETTO E 2/8

IP : 126 .5.4.3 / 9

IP BINARIO : 01111110 . 00000101 . 00000100 . 00000011

MASCHERA : 11111111 . 10000000 . 00000000 . 00000000 = 255.128.0.0

RETE : 01111110 . 00000000 . 00000000 . 00000000 = 126.0.0.0

BROADCAST: 01111110 . 01111111 . 11111111 . 11111111 = 126.127.255.255

GATEWAY 1: 01111110 . 00000000 . 00000000 . 00000001 = 126.0.0.1

GATEWAY 2: 01111110 . 01111111 . 11111111 . 11111110 = 126.127.255.254

NUMERO HOST MASSIMO: $2^{23}-2 = 8\,388\,606$

RETE : 1 OTTETTO E 1/8

HOST: 2 OTTETTI E 7/8

IP : 200.1.9.8 /24

IP BINARIO : 11001000 . 00000001 . 00001001 . 00001000

MASCHERA : 11111111 . 1111111111 . 11111111 . 00000000 = 255 . 255 . 255 . 0

RETE : 11001000 . 00000001 . 00001001 . 00000000 = 200 . 1 . 9 . 0

BROADCAST: 11001000 . 00000001 . 00001001 . 11111111 = 200 . 1 . 9 . 255

GATEWAY 1: 11001000 . 00000001 . 00001001 . 00000001 = 200 . 1 . 9 . 1

GATEWAY 2: 11001000 . 00000001 . 00001001 . 11111110 = 200 . 1 . 9 . 254

NUMERO HOST MASSIMO: $2^8 - 2 = 254$

RETE : 3 OTTETTI

HOST: 1 OTTETTO

IP : 172.16.0.4/16

IP BINARIO : 10101100 . 00010000 . 00000000 . 00000100

MASCHERA : 11111111 . 11111111 . 00000000 . 00000000 = 255 . 255 . 0 . 0

RETE : 10101100 . 00010000 . 00000000 . 00000000 = 172 . 16 . 0 . 0

BROADCAST: 10101100 . 00010000 . 11111111 . 11111111 = 172 . 16 . 255 . 255

GATEWAY 1: 10101100 . 00010000 . 00000000 . 00000001 = 172 . 16 . 0 . 1

GATEWAY 2: 10101100 . 00010000 . 11111111 . 11111110 = 172 . 16 . 255 . 254

NUMERO HOST MASSIMO: $2^{16} - 2 = 65\,534$

RETE : 2 OTTETTI

HOST: 2 OTTETTI