

ESERCIZIO SUBNETTING

Indirizzo IP (classe C): **202.20.150.0/24**

- A) 202.20.150.000 | 00000/27
- B) 202.20.150.001 | 00000/27
- C) 202.20.150.010 | 00000/27
- D) 202.20.150.011 | 00000/27
- E) 202.20.150.100 | 00000/27
- F) 202.20.150.101 | 00000/27
- FREE) 202.20.150.110 | 00000/27
- FREE) 202.20.150.111 | 00000/27

PIANO TERRA (A – B - C)

- A)
202.20.150.0/27 => IP RETE
255.255.255.224 => SUBNETMASK
202.20.150.31 => BROADCAST
202.20.150.30 => GATEWAY
202.20.150.1 – 202.20.150.29 => RANGE IP
- B)
202.20.150.32/27 => IP RETE
255.255.255.224 => SUBNETMASK
202.20.150.63 => BROADCAST
202.20.150.62 => GATEWAY
202.20.150.33 – 202.20.150.31 => RANGE IP
- C)
202.20.150.64/27 => IP RETE
255.255.255.224 => SUBNETMASK
202.20.150.95 => BROADCAST
202.20.150.94 => GATEWAY
202.20.150.65 – 202.20.150.93 => RANGE IP

PRIMO PIANO (D – E – F)

- D)
202.20.150.96/27 => IP RETE
255.255.255.224 => SUBNETMASK
202.20.150.127 => BROADCAST
202.20.150.126 => GATEWAY
202.20.150.97 – 202.20.150.125 => RANGE IP
- E)
202.20.150.128/27 => IP RETE
255.255.255.224 => SUBNETMASK
202.20.150.159 => BROADCAST
202.20.150.158 => GATEWAY
202.20.150.129 – 202.20.150.157 => RANGE IP

- F)
 202.20.150.160/27 => IP RETE
 255.255.255.224 => SUBNETMASK
 202.20.150.191 => BROADCAST
 202.20.150.190 => GATEWAY
 202.20.150.161 – 202.20.150.189 => RANGE IP

ESERCIZIO CIDR

L'ISP Rivoira.net dispone di un blocco di indirizzi **199.24.16.0** e li distribuisce all'azienda DeninaInCollina, che ha la necessità di avere **980** indirizzi IP per i suoi host.

1024 Combinazioni

- 1) 199.24.0001 0000.0 => 199.24.16.0
- 2) 199.24.0001 0001.0 => 199.24.17.0
- 3) 199.24.0001 0010.0 => 199.24.18.0
- 4) 199.24.0001 0011.0 => 199.24.19.0

199.24.16.0 => SUMMARY ROUTE
 255.255.240.0 => NETMASK
 199.24.19.255 => BROADCAST
 199.24.19.254 => GATEWAY
 199.24.16.1 – 199.24.19.253 => RANGE IP