

Lets use again I choose IP: 190.53.96.x

0) 190.53.96.0 - 190.53.96.31 -

1) 190.53.96.32 - 190.53.96.63 -

2) 190.53.96.64 - 190.53.96.95 -

3) 190.53.96.96 - 190.53.96.127 -

4) 190.53.96.128 - 190.53.96.159 -

255.255.255.224

↓
subnet mask

3) IP: 191.134.103.153 /20

⇒ Subnet mask:

11111111.11111111.11110000.00000000

⇒ 255.255.240.0

Subnets: $2^4 = 16$

Hosts: $2^{12} - 2 = 4094$

Valid subnets: $256 - 240 = 16 \Rightarrow 0, 16, 32, \dots$ up to 240

$103/16 \approx 6$ (subnet #)

⇒ 191.134.96.0 - 191.134.111.255 - 255.255.240.0

network

broadcast

subnet mask