

10.0.0.0 /8 → 1000 subnets

① 1024 512 256 128 64 32 16 8 4 2 1

10 bits

/8 → 11111111.00000000.00000000.00000000

② more networks!

↳ 11111111.11111111.00000000.00000000 → /18 → 255.255.192.0

Increment is 64 ↓

networks: $2^x = 2^{10} = \underline{\underline{1024}}$

hosts: $2^y - 2 = 2^{14} - 2 = \underline{\underline{16382}}$

③ 10.0.0.0 - 10.0.63.255
10.0.64.0 - 10.0.127.255
10.0.128.0 - 10.0.191.255
10.0.192.0