

Subnet for central office

10.0.0.0 /8

subnet for 4000 IPs

① 4096 2048 1024 512 256 128 64 32 16 8 4 2 1

12 bits

/8 → 11111111.00000000.00000000.00000000

saving the hosts!

② ↪ 11111111.11111111.11110000.00000000 → /20

increment is 16 ↵

③ 10.0.0.0 - 10.0.15.255
10.0.16.0