

172.16.0.0 /16 → 100 subnets

① 128 64 32 16 8 4 2 1  
|

7 bits

/16 → 11111111.11111111.00000000.00000000

② more networks!

↳ 11111111.11111111.11111111.00000000 → /23 → 255.255.254.0

Increment is 2 ↓

networks:  $2^x = 2^7 = \underline{\underline{128}}$

hosts:  $2^y - 2 = 2^9 - 2 = \underline{\underline{510}}$

③ 172.16.0.0 - 172.16.1.255  
172.16.2.0 - 172.16.3.255  
172.16.4.0