

Nama : Hasan Ilham Zarsur

Nim : 21060540039

Pernyataan : Demi Allah bahwa saya mengerjakan sendiri dengan jujur & tidak menyontek teman

a) max host / subnet :  $2^h - 2$

$$= 2^9 - 2 = 512 - 2 = 510 \text{ host / subnet}$$

b) Jumlah subnet :  $2^n = 2^7 = 128 \text{ subnet}$

c) CIDR : /23

Netmask : 255.255.254.0

d) Blok Subnet : 256 - nilai oktet 3

$$= 256 - 254 = 2$$

0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34,  
36, 38, 40, 42, 44, ..... , 224, 226, 228, 230, 232, 234,  
236, 238, 240, 242, 244, 246, 248, 250, 252, 254 < 255

# tabel subnetting

No  
Date

ID network	Range IP	Broadcast
172.94.0.0	172.94.0.1 - 172.94.0.254	172.94.0.255
172.94.2.0	172.94.2.1 - 172.94.2.254	172.94.2.255
172.94.4.0	172.94.4.1 - 172.94.4.254	172.94.4.255
172.94.6.0	172.94.6.1 - 172.94.6.254	172.94.6.255
172.94.8.0	172.94.8.1 - 172.94.8.254	172.94.8.255
172.94.10.0	172.94.10.1 - 172.94.10.254	172.94.10.255
172.94.12.0	172.94.12.1 - 172.94.12.254	172.94.12.255
172.94.14.0	172.94.14.1 - 172.94.14.254	172.94.14.255
172.94.16.0	172.94.16.1 - 172.94.16.254	172.94.16.255
172.94.18.0	172.94.18.1 - 172.94.18.254	172.94.18.255
172.94.20.0	172.94.20.1 - 172.94.20.254	172.94.20.255
172.94.22.0	172.94.22.1 - 172.94.22.254	172.94.22.255
:	:	:
:	:	:
:	:	:
:	:	:
:	:	:
:	:	:
✓	✓	✓
172.94.248.0	172.94.248.1 - 172.94.248.254	172.94.248.255
172.94.250.0	172.94.250.1 - 172.94.250.254	172.94.250.255
172.94.252.0	172.94.252.1 - 172.94.252.254	172.94.252.255
172.94.254.0	172.94.254.1 - 172.94.254.254	172.94.254.255