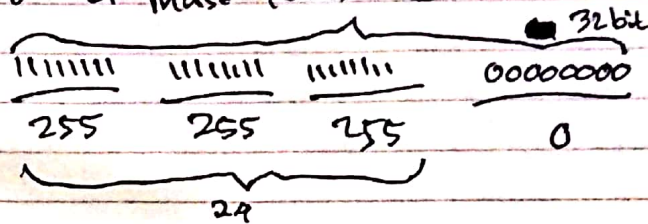


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1. 192.168.2.0 /24 → Subnet mask kelas C



→ Jumlah Subnet = $2^0 = 2^0 = 1$ Subnet

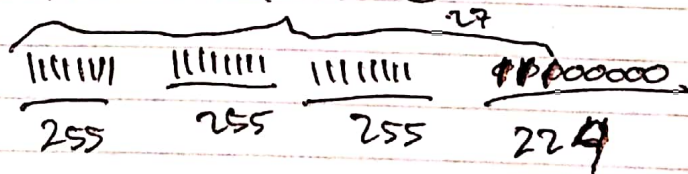
→ Jumlah Host = $2^8 - 2 = 2^8 - 2 = 256 - 2 = 254$

→ block subnet = $256 - 0 = 256$

→ Tabel subnet

network	192.168.2.0	192.168.2.256
IP awal	192.168.2.1	
IP akhir	192.168.2.254	
broadcast	192.168.2.255	

2. 10.3.51.0 /27 → Subnet mask kelas C



→ Jumlah Subnet = $2^3 = 2^3 = 8$ Subnet

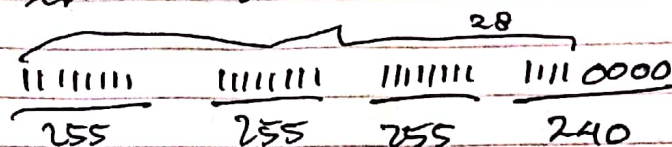
→ Jumlah Host = $2^5 - 2 = 2^5 - 2 = 32 - 2 = 30$ host

→ block Subnet = $256 - 24 = 32$

2) Tabel Subnet

network	10.3.51.0	10.3.51.32	...	10.3.51.192
IP awal	10.3.51.1	10.3.51.33	...	10.3.51.193
IP akhir	10.3.51.30	10.3.51.62	...	10.3.51.222
broadcast	10.3.51.31	10.3.51.63	...	10.3.51.223

3) 10.10.10.0 / 28 → Subnet Mask kelas C



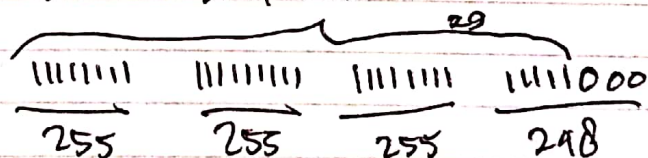
a) Jumlah Subnet = $2^4 = 2^4 = 16$ subnet

b) Jumlah host = $2^4 - 2 = 2^4 - 2 = 16 - 2 = 14$ host

c) block Subnet = $256 - 240 = 16$

network	10.10.10.0	10.10.10.16	...	10.10.10.240
IP awal	10.10.10.1	10.10.10.17	...	10.10.10.225
IP akhir	10.10.10.14	10.10.10.30	...	10.10.10.238
broadcast	10.10.10.15	10.10.10.31	...	10.10.10.239

4) 192.168.10.0 / 29 - Subnet Mask kelas C



a) Jumlah Subnet = $2^2 = 2^2 = 4$ subnet

b) Jumlah host = $2^3 - 2 = 2^3 - 2 = 8 - 2 = 6$ host

c) block Subnet = $256 - 248 = 8$

network	192.168.10.0	192.168.10.8	...	192.168.10.240
IP awal	192.168.10.1	192.168.10.9	...	192.168.10.241
IP akhir	192.168.10.6	192.168.10.14	...	192.168.10.246
broadcast	192.168.10.7	192.168.10.15	...	192.168.10.247