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Subnetting

Hitung subnet pada alamat jaringan 192.168.100.0/27

a. Hitung subnet
b. Hitung host per subnet
c. Buat Tabel IP

JAWAB :

Dik /27 = 11111111.11111111.11111111.11100000 = (255.255.255.224)

- Jumlah Subnet = $2^x = 2^3 = 8$
- Jumlah Host Per Subnet = $2^x - 2 = 2^5 - 2 = 32 - 2 = 30$
- Blok Subnet = $256 - 224 = 32$ Subnet (0, 32, 64, 96, 128, 160, 192, 224)
- Tabel IP

IP Subnet	192.168.100.0	192.168.100.32	192.168.100.64	192.168.100.96	192.168.100.128	192.168.100.160	192.168.100.192	192.168.100.224
Host Pertama	192.168.100.1	192.168.100.33	192.168.100.65	192.168.100.97	192.168.100.129	192.168.100.161	192.168.100.193	192.168.100.225
Host Terakhir	192.168.100.30	192.168.100.62	192.168.100.94	192.168.100.126	192.168.100.158	192.168.100.190	192.168.100.222	192.168.100.254
IP Broadcast	192.168.100.31	192.168.100.63	192.168.100.95	192.168.100.127	192.168.100.159	192.168.100.191	192.168.100.223	192.168.100.255