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You have given a class C IP address 194.1.1.0 for your network. As a network administrator, you want to subnet the network into 7 subnets.

- a. How many bits needed for subnet id?
3 bits
- b. What is your subnet mask?
255.255.255.224
224 didapat dari(1110 0000)
- c. List all start address and range of each subnet

Subnet i-th	Start address	Range
1	194.1.1.0	194.1.1.0 - 194.1.1.31
2	194.1.1.32	194.1.1.32 - 194.1.1.63
3	194.1.1.64	194.1.1.64- 194.1.1.95
4	194.1.1.96	194.1.1.96 - 194.1.1.127
5	194.1.1.128	194.1.1.128-194.1.1.159
6	194.1.1.160	194.1.1.160 - 194. 1.1.191
7	194. 1.1.192	194. 1.1.192-194.1.1.223