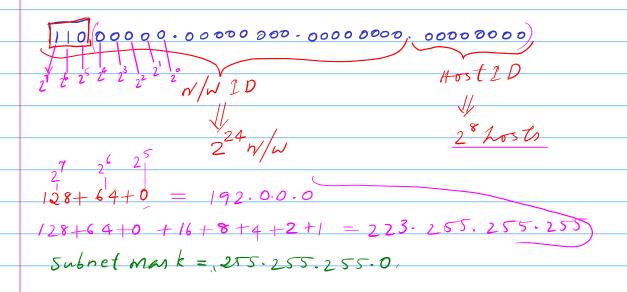
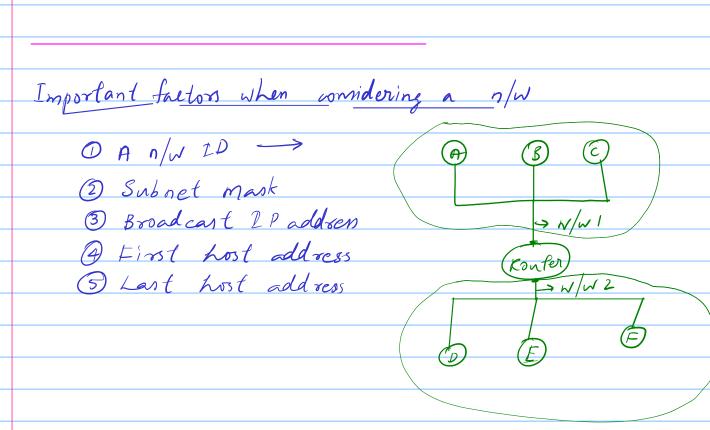


class C W/W



A·B·C·D/24 -> 24 bits is med for calculating n/w lD $\frac{D \cdot B \cdot C \cdot D}{28} \Rightarrow 28 \text{ bith is med for calculating n/w lD}$



FLSM 204.15.5.0/24) -> subnet into 5 smaller networks 4 netA → 14 hosts 5 bit - host address Lanet B = 28 hosts 27 bits - n/w address. 4 net C > 2 hosts Linet D > 7 host L>netE → 28 hosts 11001100.00001111.00000101.00000 n/w address - we will me 11001100.00001111.00000101.0000000 27 bits for n/w 20 calculation and 255 . 255 . 255 . 224 5 bits for host 2D calculation, 000 -> 11001/00.00001/11.0000 010/.0000000 001 -> 11001100.00001111.00000101.0010000 We bo rrow most Significant 3-bits 01 / ->1100/100-0000/11/-0000010/-01/ 00000 of Class C's Host .100 00000 101 ,10100000 address octed to the . 110000000 111 . 111 00000 n/w address calculation when we do subnetting > Convert to decinal notation: 204.15.5.0/27 - net A 204·15·5·32/27 - nel B 204. 15.5.64/27 → netc 204.15.5.96/27 -> net D 204.15.5.128/27 - nef E 204.15.5.160/27 204-15.5.192/27 204.15.5-224/27 netA 204.15.5.0/27 Network 1D -> 204.15.5.0 Subnetmark > 255.255.255.224 First Host address > 204.15.5.1 Last Host addren -> 204.15.5.30 Broadcast address -> 204.15.5.31

net B > 204. 15.5.32/27 network 10 -> 204.15.5.32 Subnetmark > 255. 255. 255. 224 First Host address > 204.15.5.33 Last Host address -> 204.15.5.62 Broadcast address -> 204.15.5.63