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* IP Add Hessing & sub-netting	
II) 1) 8.1.4.5 / 16	
> class A	
> sybnet Mask: 255.255.0.0	
> Bosssowed Bit: 8	
> Netwoodk Bit: 16	
→ Host Bit: 16	
$\rightarrow$ Host per subnet $2^{16} - 2 = 655$ $\rightarrow$ No. of subnets = 28	34 hosts
2 04011610	
→ FPSt Valid JP: 8.1.0.1 → Last Valid JP: 8.1.255.254	
-> BHOOD COST Add HESS: 8.1.255.2	66
7 001048 643 1 1188 37 (33 : 8:11 203 : 6	.53
11) 130.4.102.1 /24	and the same
-> C1935 B	
→ sybnet Mask: 255. 255. 255.	0
-> BOHHOWED Bit: 8	
> Network Bit: 24	
→ Host Bit: 8	
-> Host pest subnet 28 - 2 = 254	hosts
-> No. of subnets = 2°	
-> Network Address: 130.4.102.0	
→ FP. HSt. Valid IP: 130.4.102.1	The second second
-> 105+ Valid JP: 136.4.102.25	4
-> Byloadcast Address: 130.4.10	2.255

	Date:
900	
111	130.4.102.1/22
	class B
	54 bnet Mask: 255.255.25.0
->	Bosssowed Bit: 6
	Network Bit: 22
>	Host Bit: 10
>	Host pex submet: 20 - 2 = 1022 hosts
>	No. of subnets = 26
>	Network Address: 130.4.100.0
>	FPS15t Valid IP: 130.4.100.1
>	Last Valid IP: 130.4.103.254
)	Byoddcast Address: 130.4.103.255
iv)	199-1.1.100/27
	Class C
>	54bnet Mask: 255.255.255.224
)	BOSISHOWED Bit: 3
>	Netwoodly Bit: 27
\	Nact Dot: 5
,	Host pest subnet: 25 - 2 = 30 hosts
>	No. of sybnets = 23
>	Network Address: 199.1.1.96
4	FP45+ Valled IP: 199.1.1.97
	Last Valid IP: 199. 1.1.126
<b>&gt;</b>	Byoadcast Address: 199.1.1.127
	IIII A A A COST MANAX PASS TO THE TENTE

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JP = 192.168.17.9
C1955 C
No. of Address Pn the block 28 = 256 First Address: 192.168.17.0 Last Address: 192.168.17.255
JP = 185, 28.17.9
class B
No. of Address in the block $2^{16} = 65.536$ First Address: 185.28.0.0 Last Address: 185.28.255.255
IP = 205.16.37.39 /28
Class C No. of Address $2^4 = 16$ host bit = 4 bostshowed bit = 4 First Address : 205.16.37.32 $39 \rightarrow 00100111 \rightarrow 001000000$ Last Address : 205.16.37.47 $39 \rightarrow 00100111 \rightarrow 00101111$

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[5]	IP = 216.21.5.0, 30 hosts in each subnet
	No. of host in each subnet = 2 hostbit - 2
	i. host bit = 5
	Network bit = 27 (Borrowed bit = 3)
	New Subnet Mask: 255.255.255.224
	No. of sybnets: 23 = 8
	No. of host pest subnet = 30
4	Netwoodk Ranges,
	2]6.21.5.0 - 216.21.5.31
	216.21.5.32 - 216.21.5.63
	216.21.5.64 - 216.21.5.95
	216.21.5.96 - 216.21.5.1287
	216.21.5.128 - 216.21.5.159 $216.21.5.160 - 216.21.5.191$
	216.21.5.192 - 216.21.5.223
	216.21.5.224 - 216.21.5.255

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16	192.10.20.0 Pnto 52 hosts in each subnet
	Class C No. of host in each subnet = 2 hostbit - 2  52 = 2 hostbit - 2
	: hostbît = 6
	Network bit = 26 (Borrowed Bit = 2)
	New subnet Mask: 255.255.255.192 No. of subnets 22 = 4
	No. of host ped subnet $2^6 - 2 = 62$
	192.10.20.0 - 192.10.20.63
	192.10.20.64 - 192.10.20.127
	192.10.20.192 - 192.10.20.255
<b>F</b>	Device A: 172.16.17.30/20
	Sybnet Mask: 255.255.240.0
	Device B: 172.16.28.15/20
	> Sybnet Mask: 255.255.240.0
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