	LAN#2 192.168.2.0/24 For 15 Hosts Use Subnet# 06
Given IP	192.168.2.0 / 24 (Network Bit: 24, Host Bit: 8)
Borrow?	For 15 Hosts
	15+2 = 17 (5 bit)
NEW	NB: NB + $3 = 24 + 3 = 27$
	Host Bit $-5 = 8 - 5 = 3$ bit borrow.
	NEW Host Bit: Host Bit – borrowed bit
	=8-3=5 bit (host bit)
	192.168.2.0 / 27 (Network Bit: 27, Host Bit: 5)
Total # of	$2^n = 2^3 = 8$
subnet	[n = number of borrowed bit]
Usable Ip per	$2^n - 2 = 2^5 - 2 = 30$ Ip per subnet
subnet	[n = new host bit]
W.C. 1	1 st usable ip → Default gateway
#6 subnet	6 = 110 (Binary)
Network	192.168.2.0 / 27 (Network Bit: 27, Host Bit: 5)
Address	192.168.2. 110 0 0000
Duandanat	192.168.2.192
Broadcast Address	192.168.2. 110 1 1111 192.168.2. 223
	192.168.2.0 / 27 (Network Bit: 27, Host Bit: 5)
Subflet Wask	255.255.255. 111 0 000
	255.255.255.224
LAN#2	SUBNET MASK: 255.255.254
	Network Address: 192.168.2.192
	Default Gateway: 192.168.2.193
	1 st Usable IP: 192.168.2.194
	192.168.100.0/30
	SM: 255.255.255. 252
Given Details	LAN#1 192.168.104.0/24 For 17 Use Subnet#
	Network 192.108.104.0/24 Hosts 05
Given IP	192.168.104.0/24 (Network Bit: 24, Hot Bit:8)
For 17 Hosts	17+2= 19 (5 bit)
How many	Borrowed bit = Host bit -5 bit = $8 - 5 = 3$ bit borrow.
bit we have	
to borrow?	
New	Network bit: Prev Net bit + Borrowed Bit
Information	= 24 + 3 = 27 bit
	Host Bit: $32 - 27 = 5$ bit

192.168.104.0/27 (Network Bit: 27, Hot Bit:5)
255.255.255.111 0 0000
255.255.255.224
$2^n = 2^3 = 8$ subnet
$2^n-2 = 2^5 - 2 = 32 - 2 = 30$ ip per subnet.
5 = (Binary of 5: 101)
192.168.104.0/27 (Network Bit: 27, Hot Bit:5)
192.168.104. <u>101</u> 0 0000
192.168.104.160
192.168.104.161
192.168.104.162
192.168.104. 101 1 1111
192.168.104. 191
255.255.254