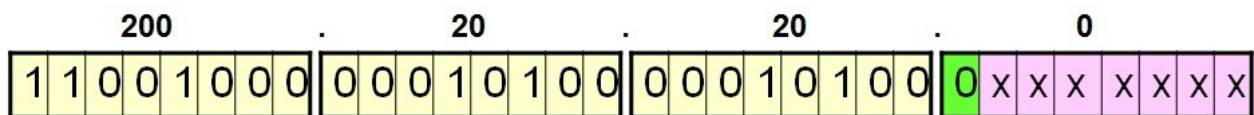
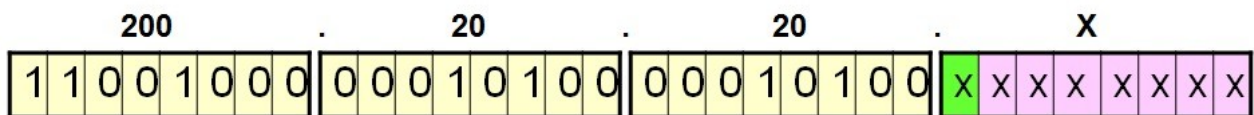
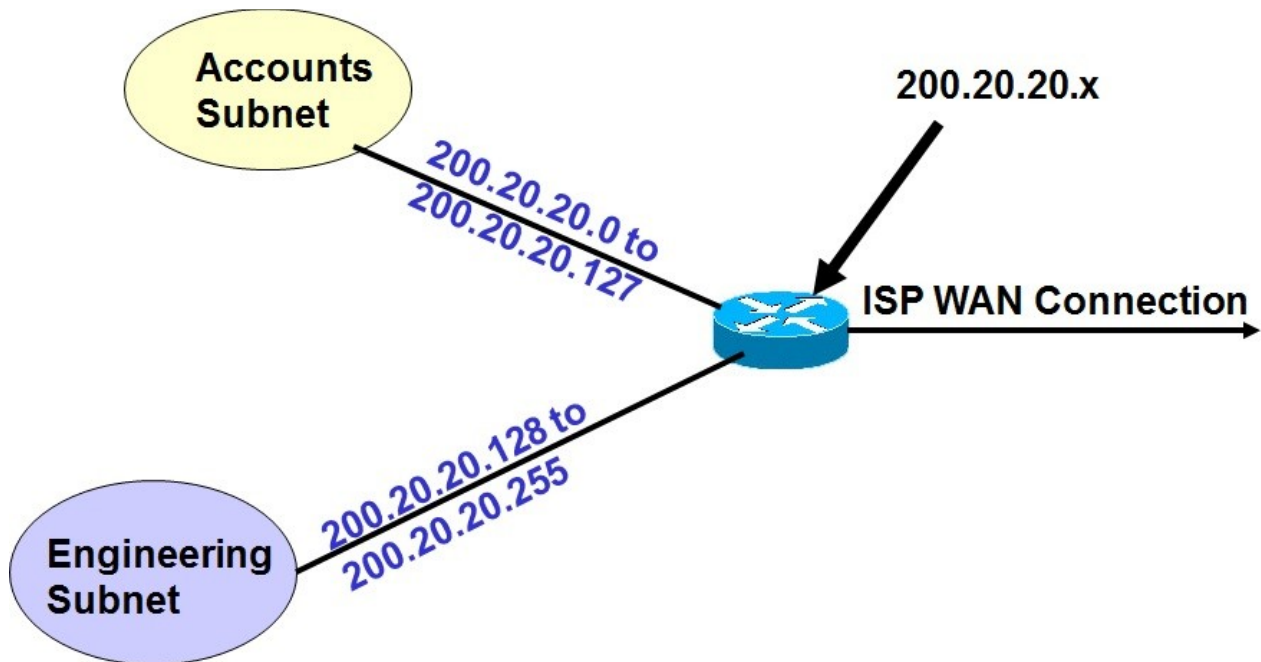
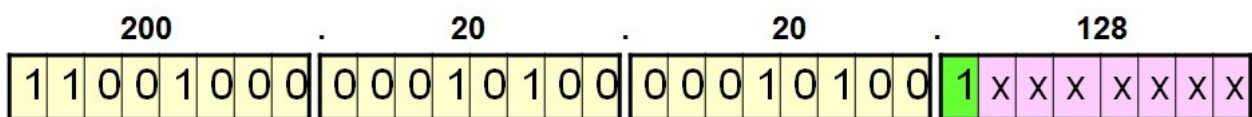


Experiment 10 : Familiarization with different Subnetting Techniques.

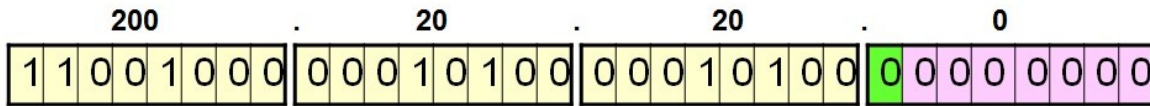


Subnet 1 – 200.20.20.0 – 200.20.20.127

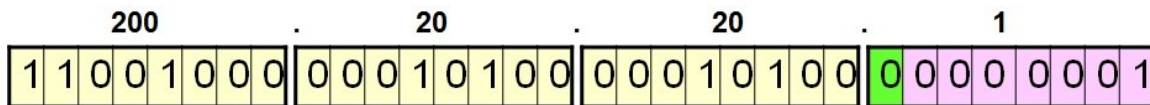


Subnet 2 – 200.20.20.128 – 200.20.20.255

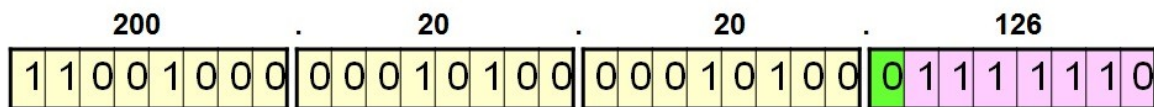
Subnet1 Address Split



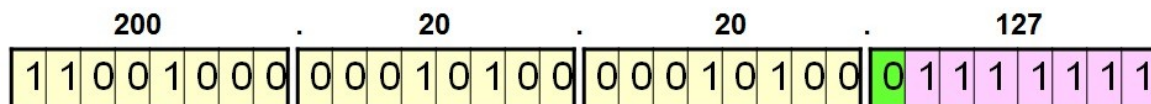
Subnetwork address – 200.20.20.0



1st Host address – 200.20.20.1

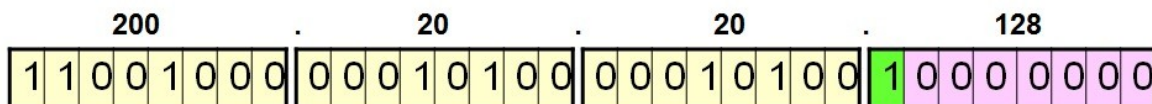


Last host address 200.20.20.126

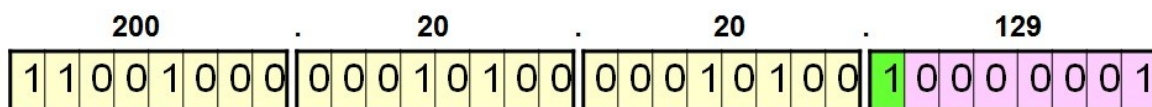


Subnet Broadcast address 200.20.20.127

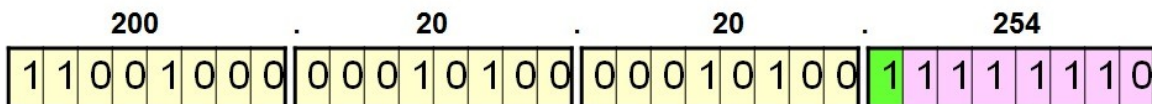
Subnet2 Address Split



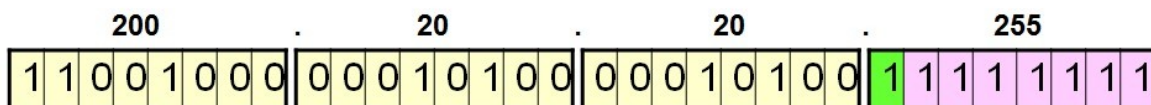
Subnetwork address – 200.20.20.128



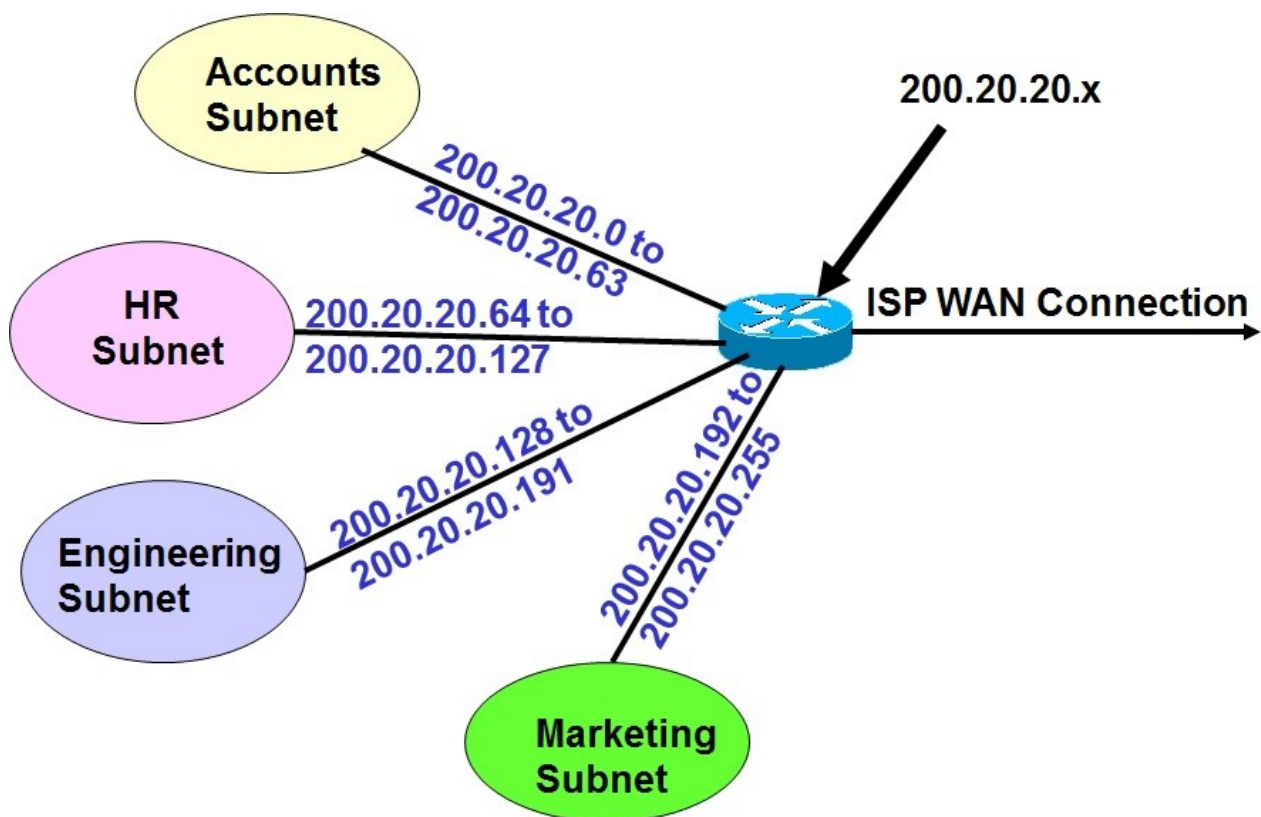
1st Host address – 200.20.20.129



Last host address 200.20.20.254



Subnet Broadcast address 200.20.20.255



Network 200.20.20.X

Network Bits – 24, Host Bits - 8

Available address range – 200.20.20.0 – 200.20.20.255

Borrowing 2 bits from hosts creates 4 subnets

- Subnet 1 – 200.20.20.0 to 200.20.20.63
- Subnet 2 – 200.20.20.64 to 200.20.20.127
- Subnet 3 – 200.20.20.128 to 200.20.20.191
- Subnet 4 – 200.20.20.192 to 200.20.20.255

Subnet mask for Network is /26 or 255.255.255.192