1) IP address 23-192-157-234 is class A

Network ID boot 8 approve

: 00010111

Mast ID: 110000000 10011101 11101010

2) Bridge

Connects two LAN segments, forwarding triaffic based on MAC

Router:

Connects different networks, forwarding traffic based on IP address

3) Subnetting is the process of dividing a single IP network into multiple smaller logical sub networks

ex IP= 192. 168.1.0/24

We want to oreate 4 subness

65 192·168·1·0/26

192.166.1.64 /26

192- 168-1-128/26

192-168-1-192/26

4>	VERSION THE TOS TOTAL ENGH
	I DENTIFICATION FLAGS FRAGMENT OFSET
	TIL PROTOCOL HEADER CHECKSUM
	SOURCE ADDRESS
	DESTINATION ADDRESS
	OPTIONS
	DATA

5) ARPC Address resolution protocol)

ARD helps in finding coorect mac address for communication

os pr (open shooted pain first)
routing protocol that that calculate shootest pain

NAT (Network address translation):
allows multiple devices on a private network to share a single public IP address

PAT C Post address toanslation):

Extras NAT by using post numbers to distinguish between multiple devices

DPV4 B 32 bit addressing system that supports ~ 43 billion addresses and is running out of space

IPV6 13 a 128 bit system with outbally unlimited addresses, designed to replace IPV4