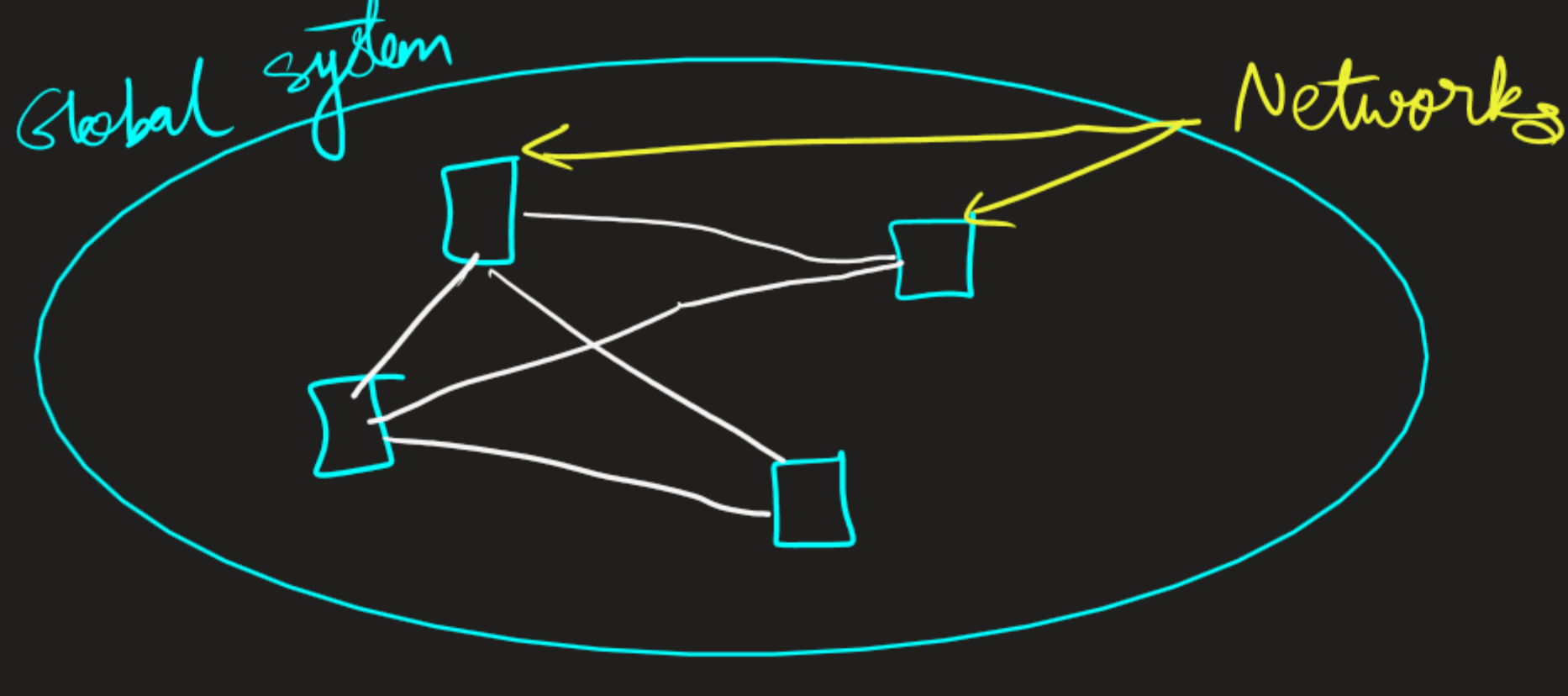


What is "Inter" "Net" Network of Networks

Interconnected Networks



History: For comm. in Department of Defense

1960s → ARPANET



1970 → Scaling of ARPANET

1980 → DNS/WWW

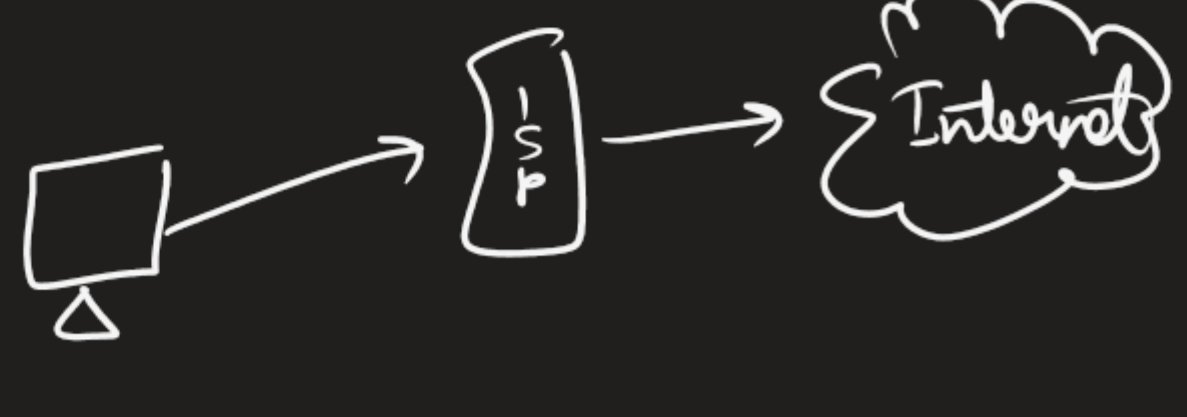
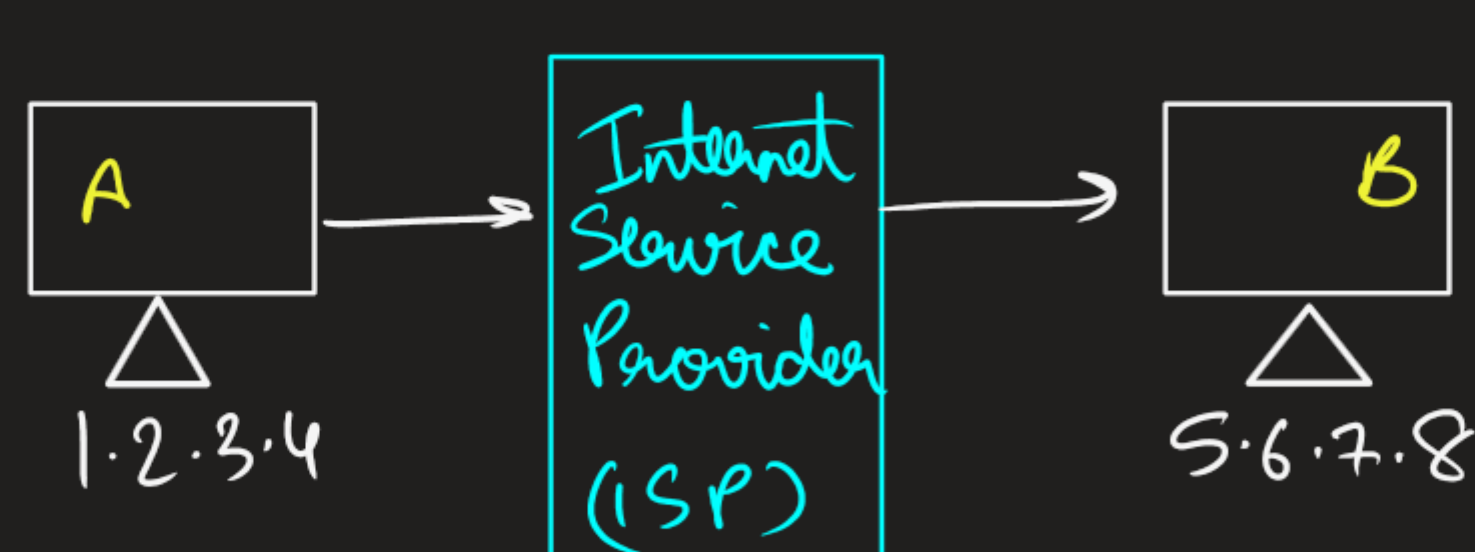
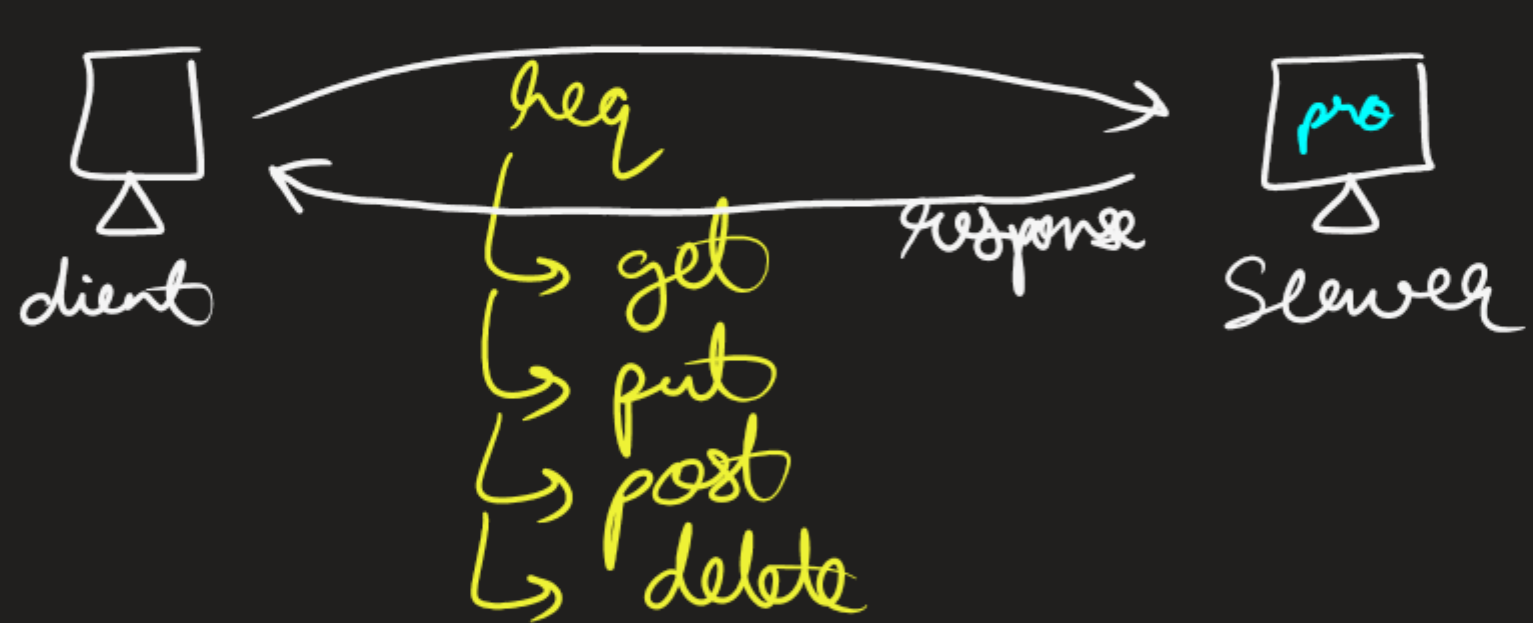
1990 → Gmail/Msg/Shop

2000 → FB, Mobile

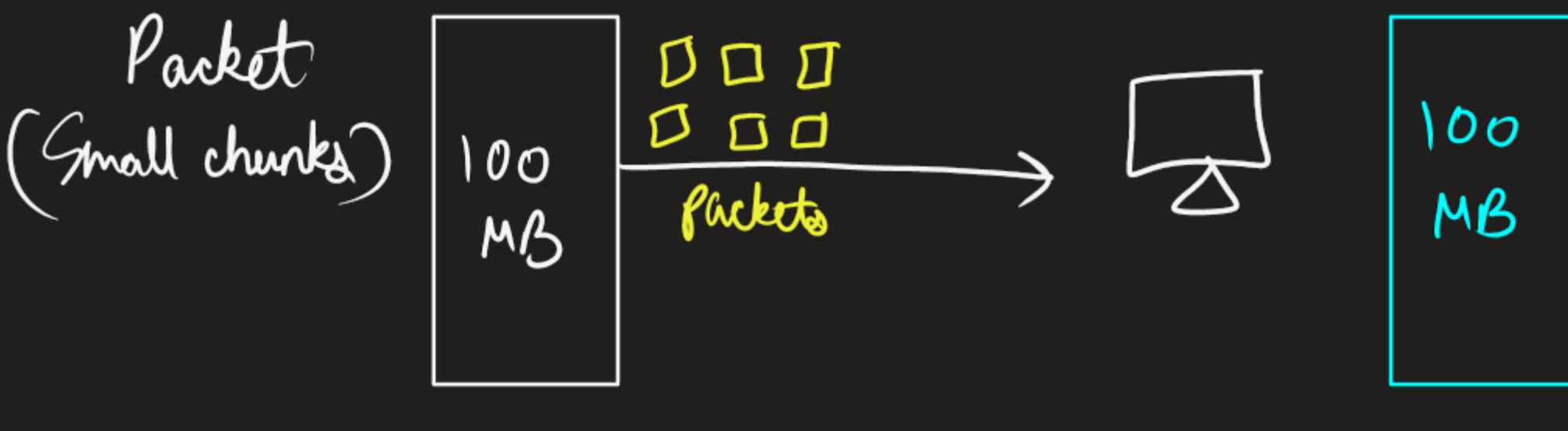
IP address:



Client - Server:

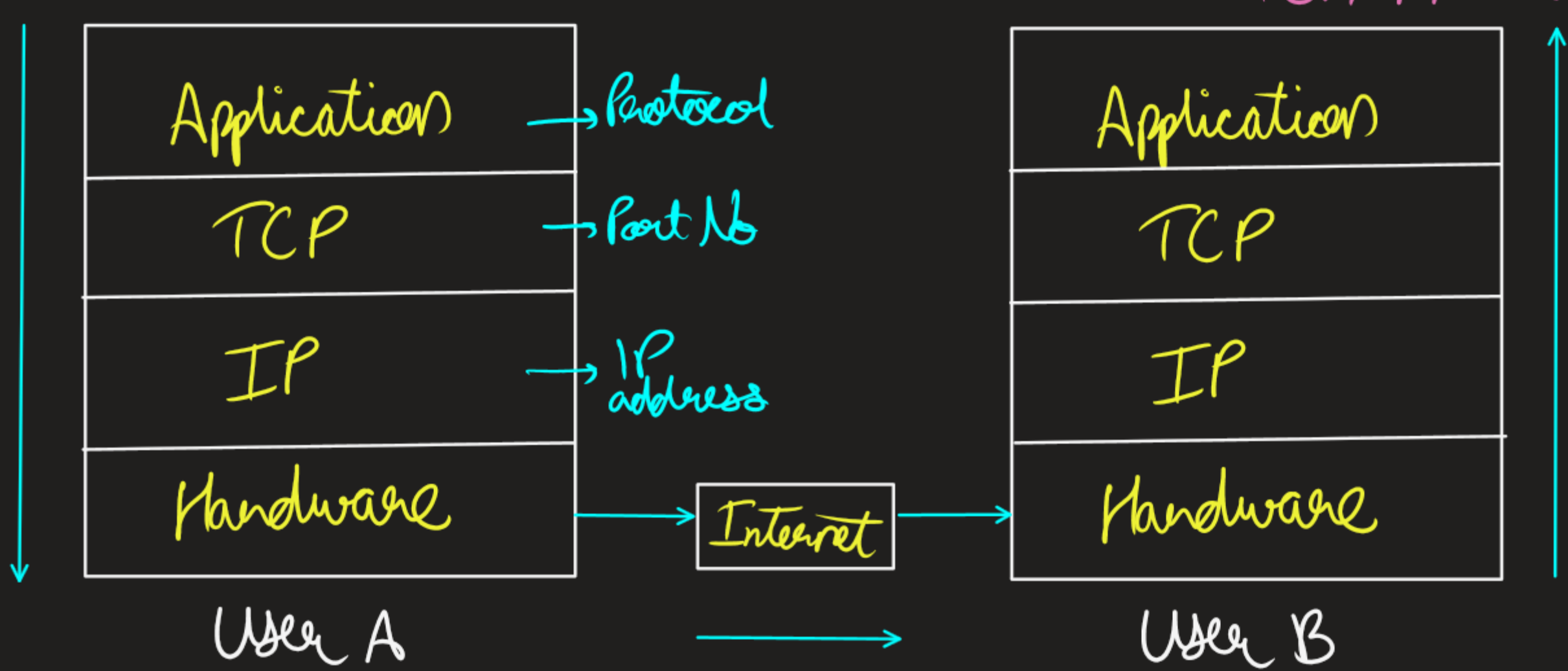


Protocol Stack:



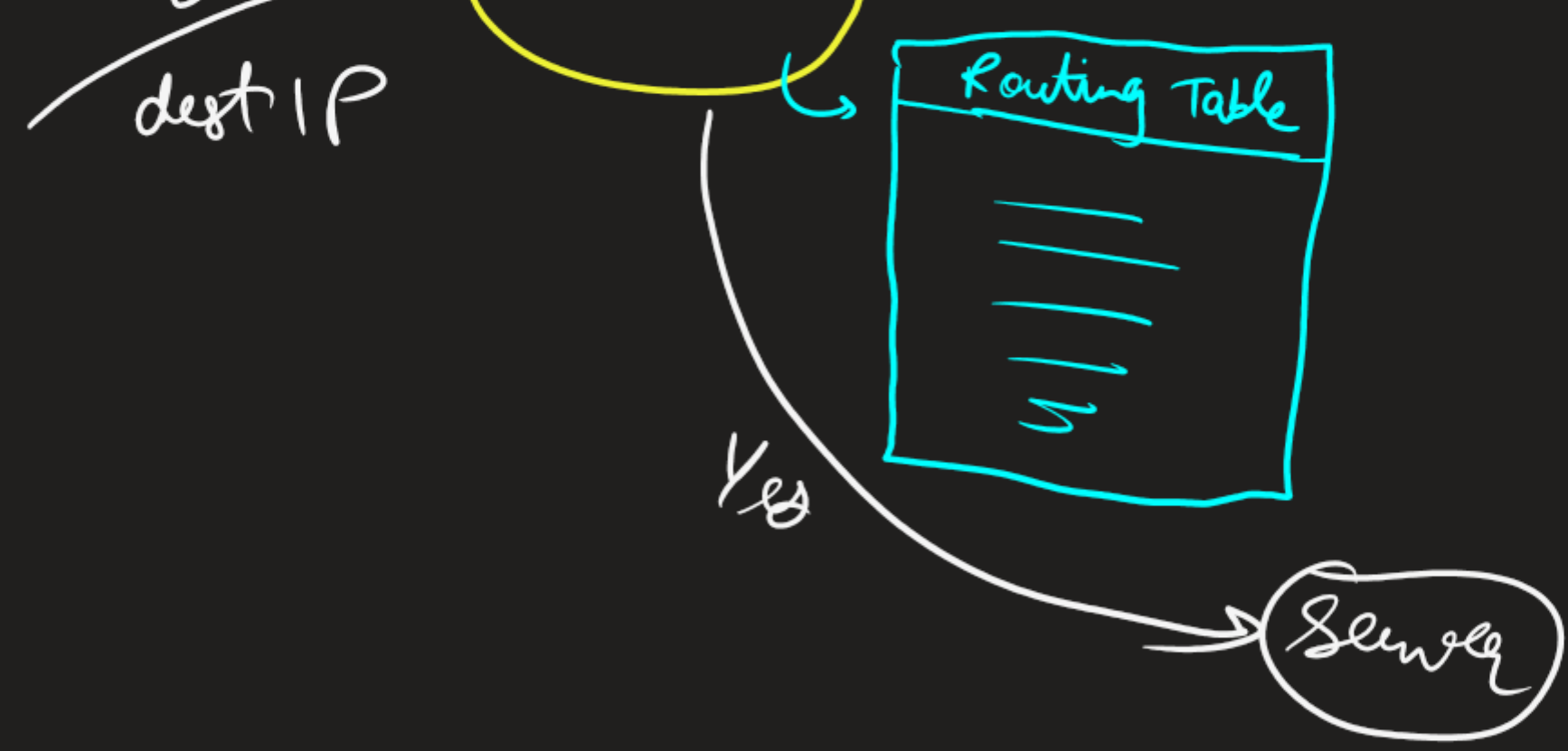
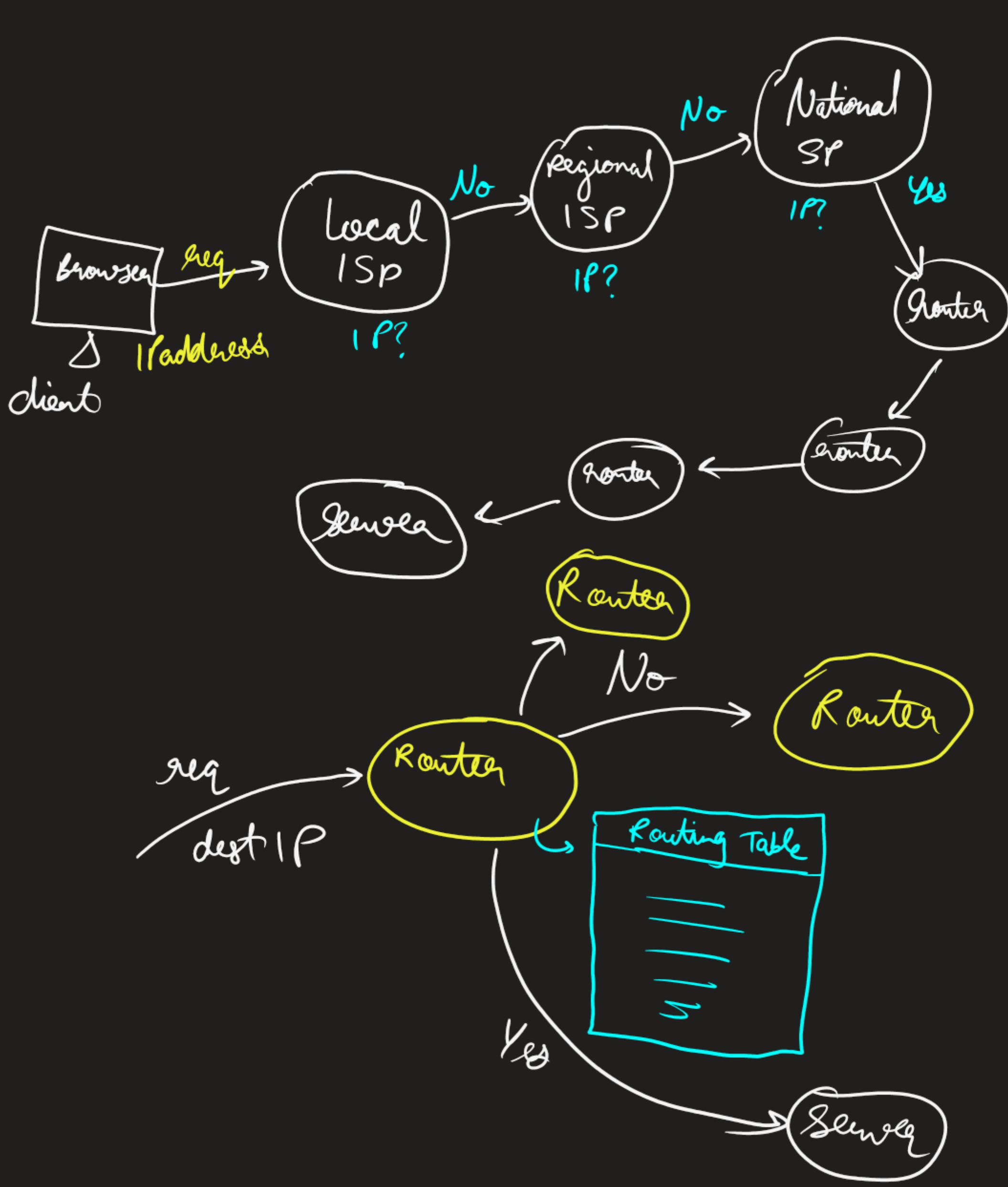
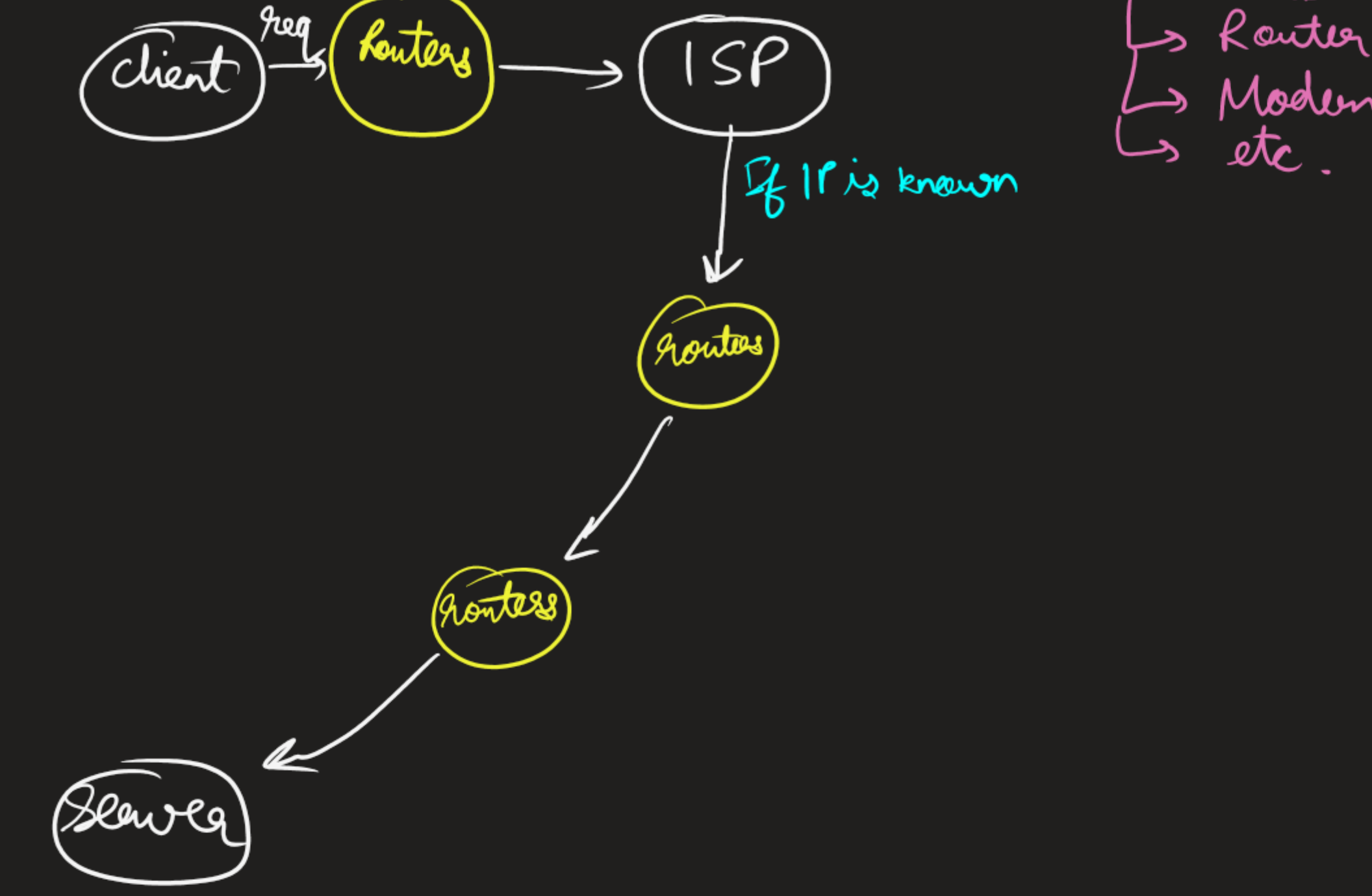
Protocol: Set of rules

H/W: OSI Model TCP/IP Model



Packet Travel:

H/W: Switch, Hub, Router, Modem etc.



H/W: Command to print IP address of "www.google.com" DNS Tree Structure



Protocols:

- HTTP
- FTP
- SMTP

H/W: IP address 1.2.3.4 meaning? IPv4 IPv6 need