

Complete Course on Computer Networks - Part III

1-04-2021 Classes by Ravindrababu Ravula

Lecture Name	Time
Checking Additional FDs and Equivalence of FDs with Examples DBMS	6.:00 AM
Count to Infinity and Split Horizon CN	7:00 AM
Process Management Part-2 Practice Questions OS	8:05 AM 😨 🕟
Process Management Set-3 Practice Questions OS	5:00PM 😑 🕟
OOPS Concepts Frequently Asked Java Interview // Questions	6:00PM
Linux System Calls L:4 Google Interview Questions	7:00PM

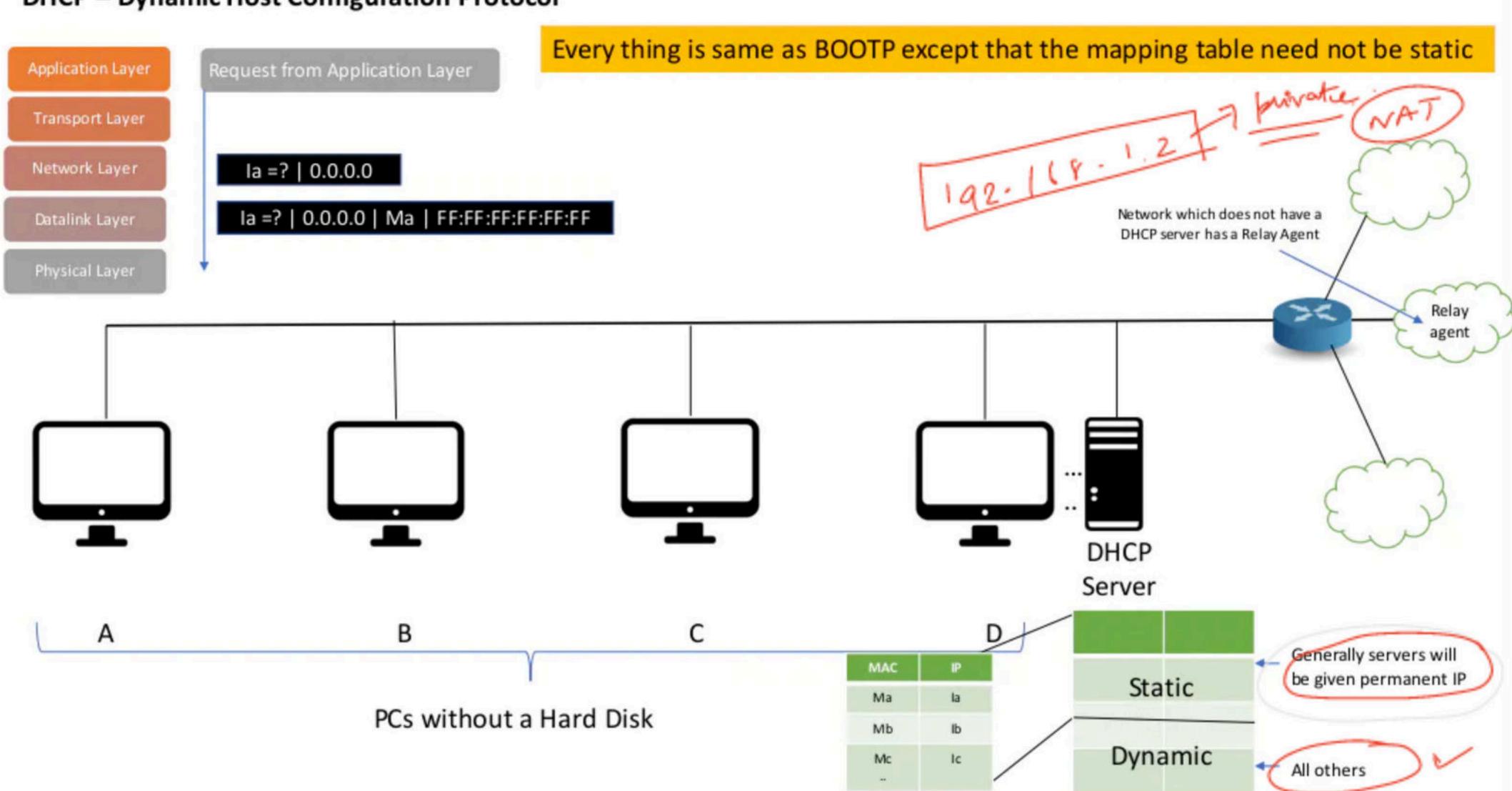
Technologies Course for Engg and UGC-NET

B.Tech Project in Web Technologies | L:4 | HTML | Web

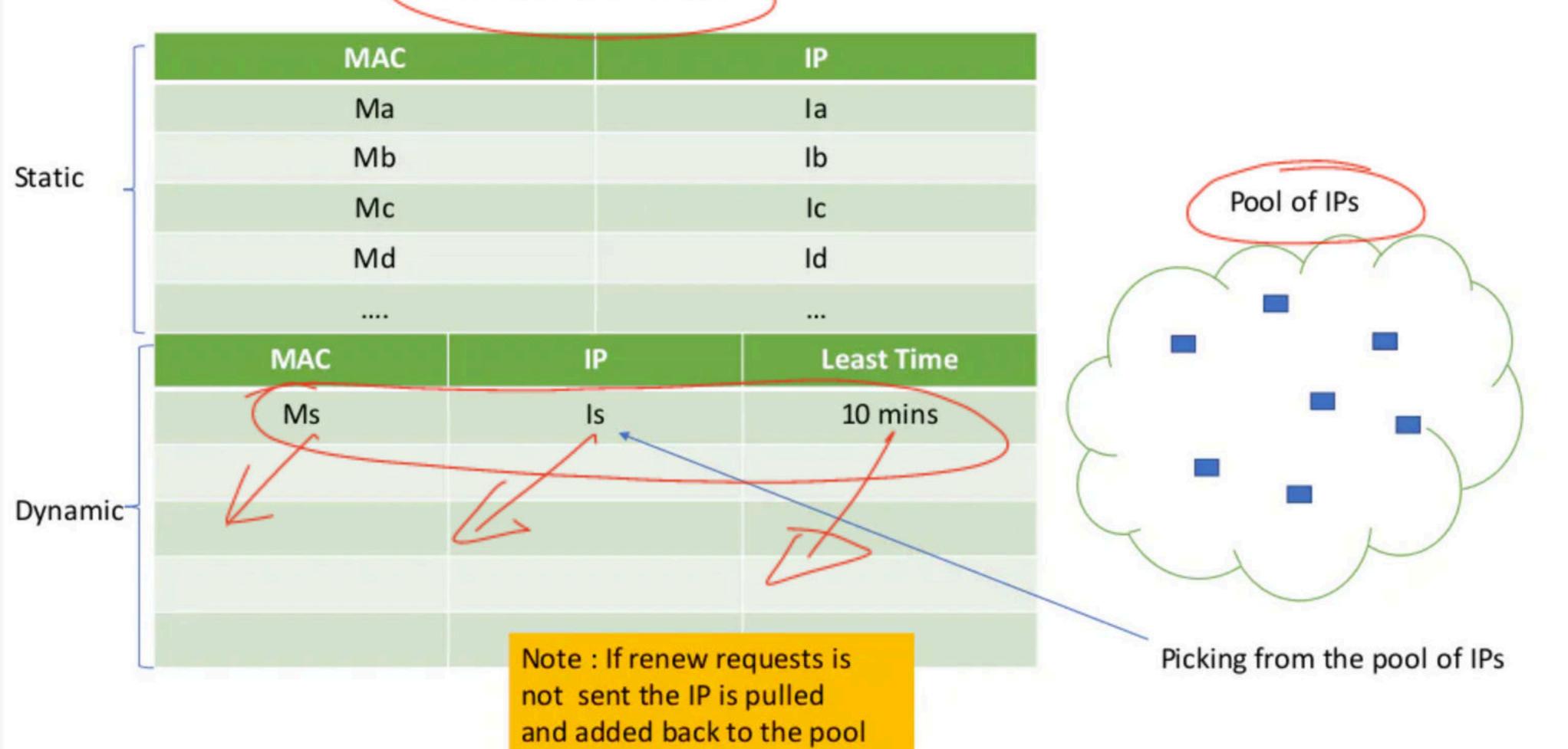
8:00PM

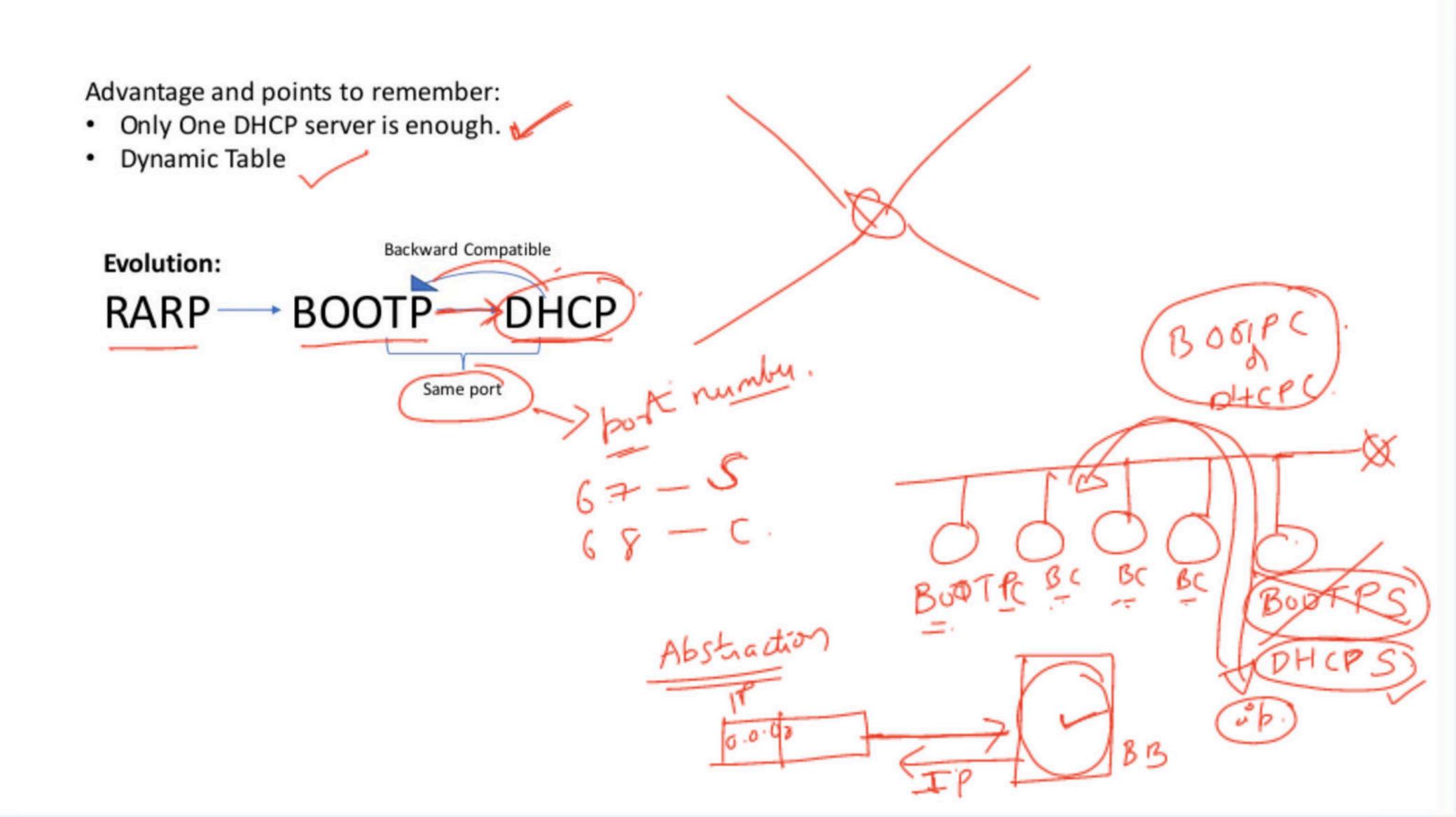


DHCP - Dynamic Host Configuration Protocol

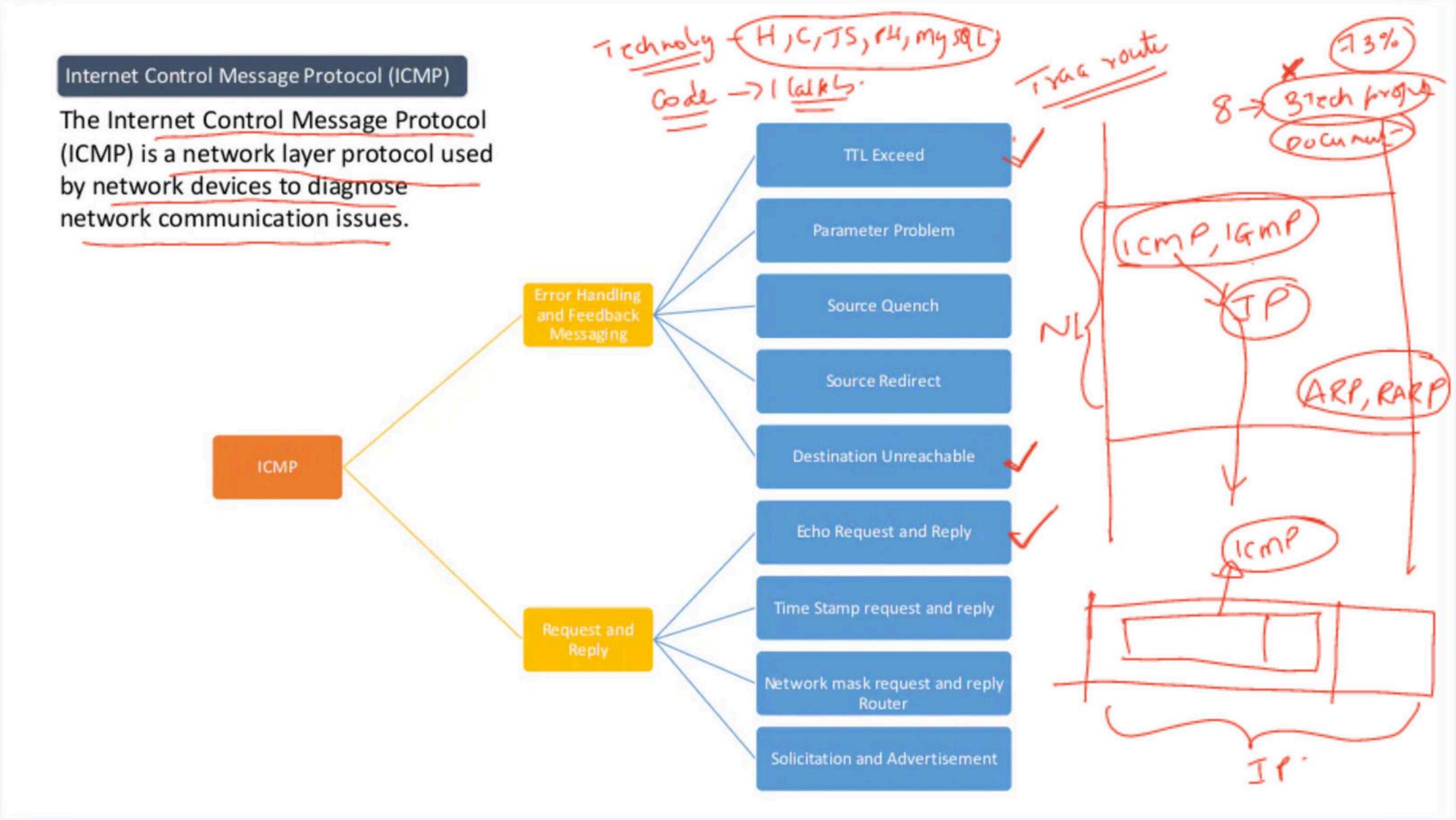


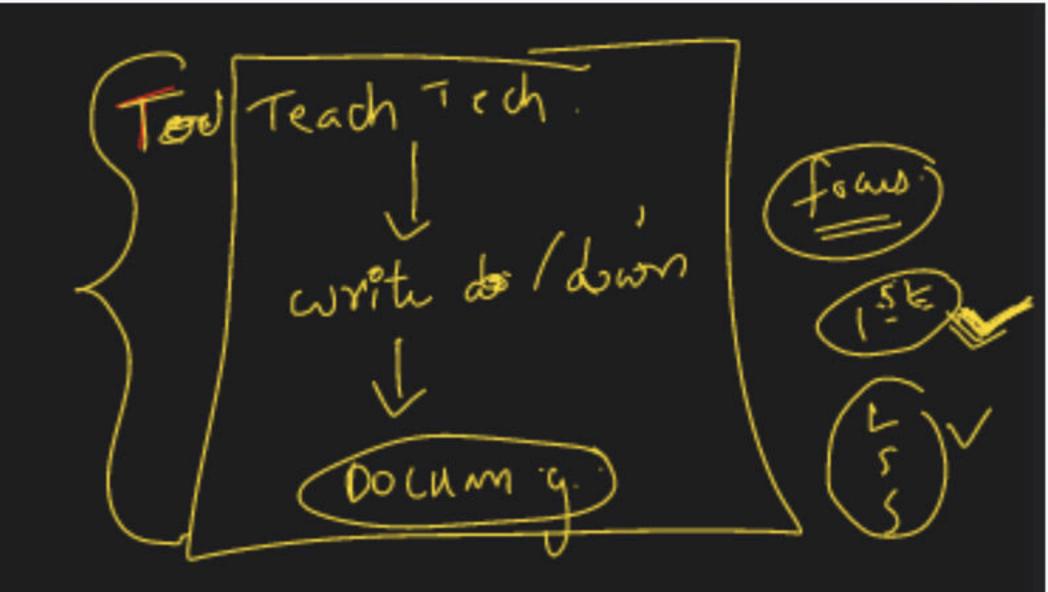
DHCP MAPPING TABLE



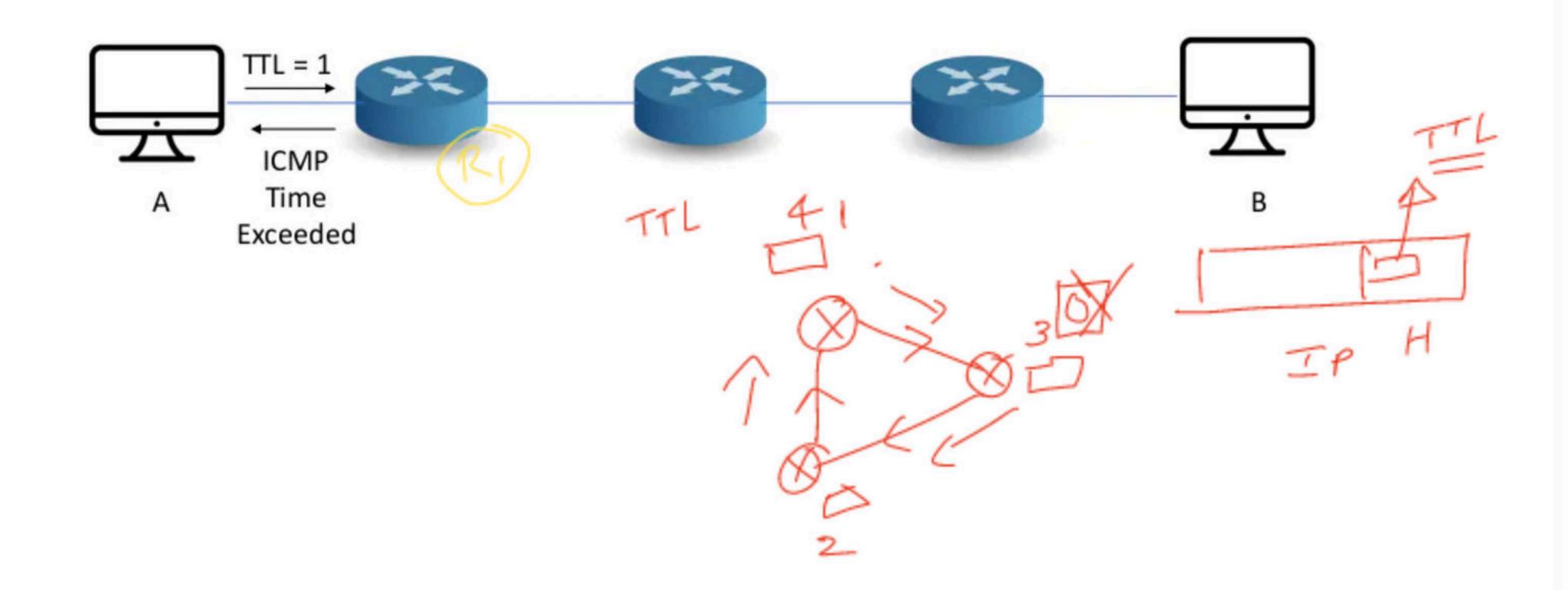


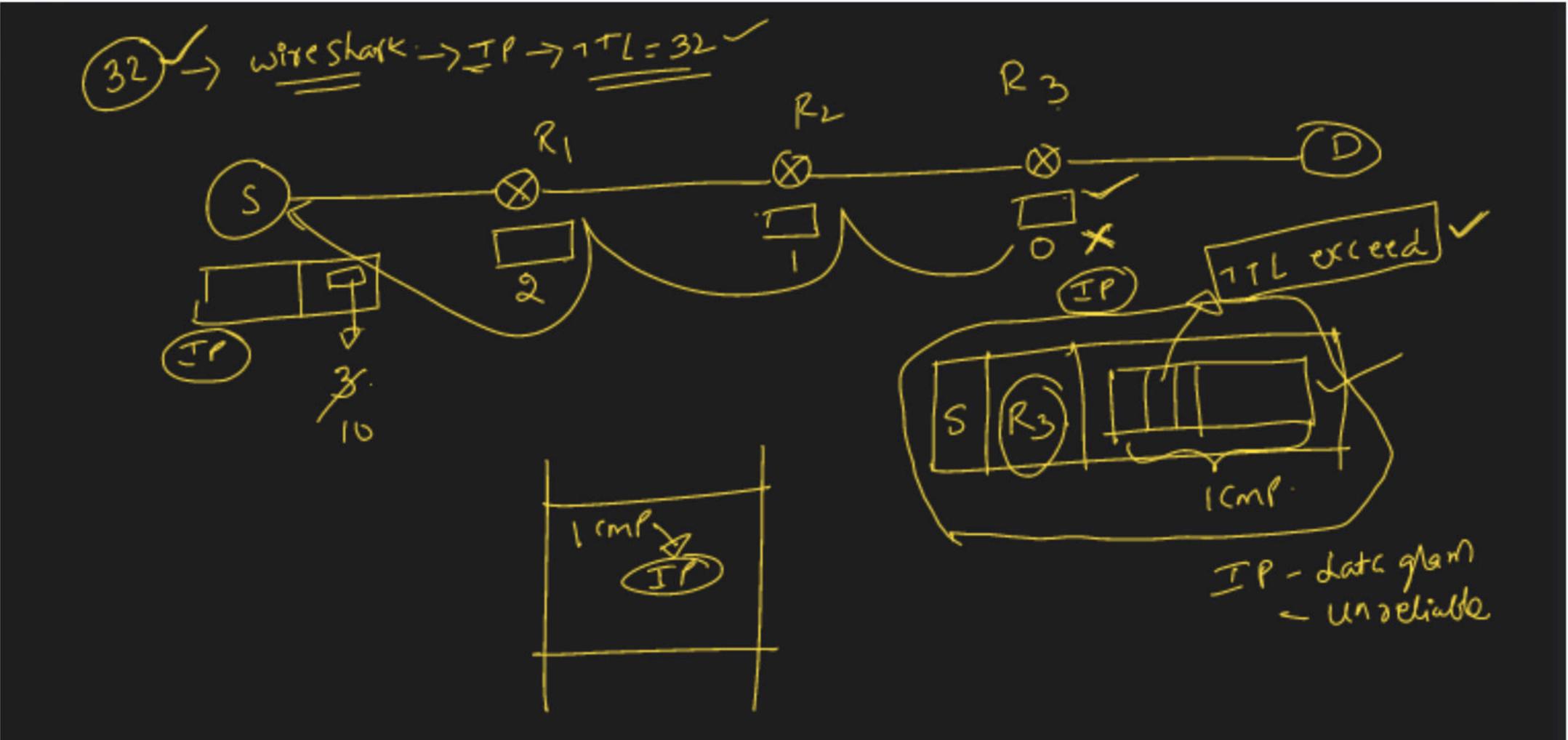
Computer Networks **ICMP**





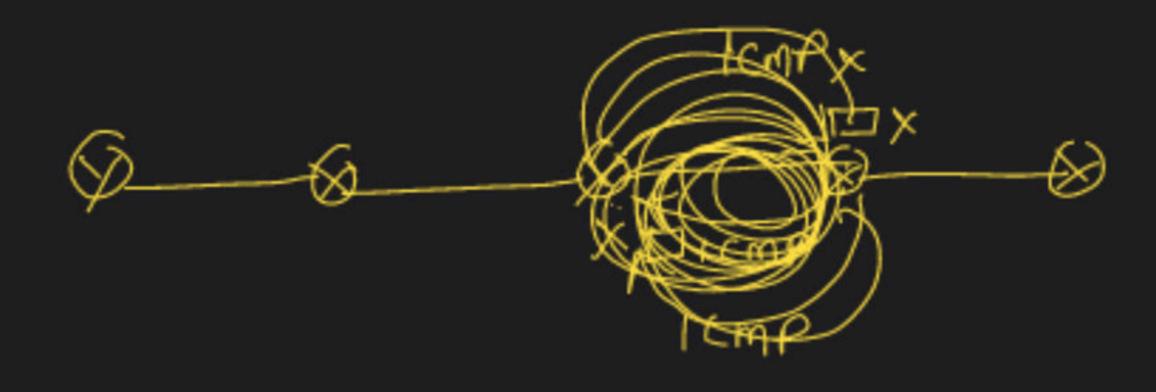
To avoid Infinite life.

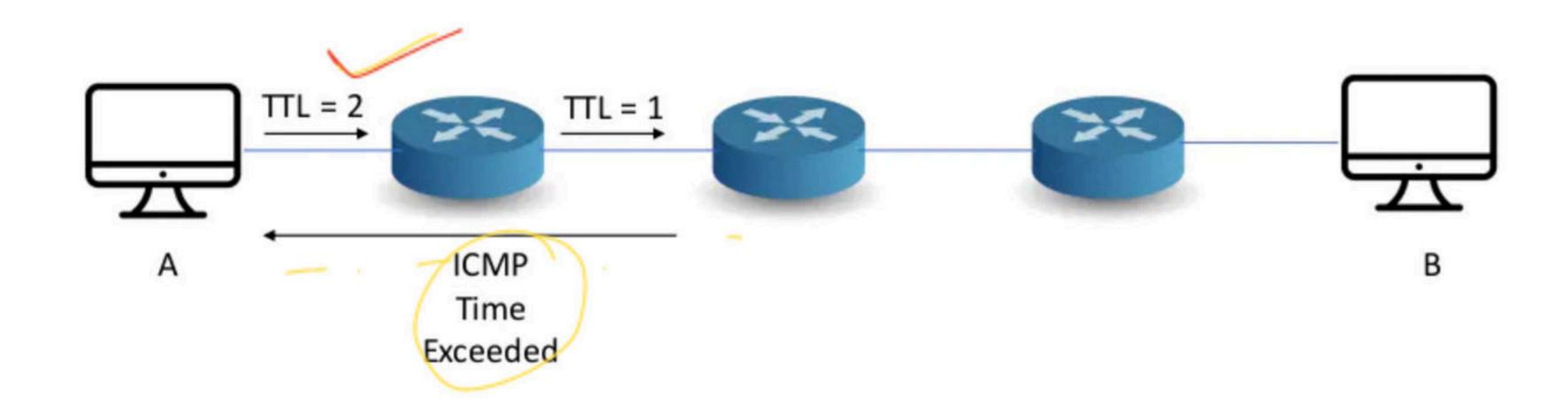


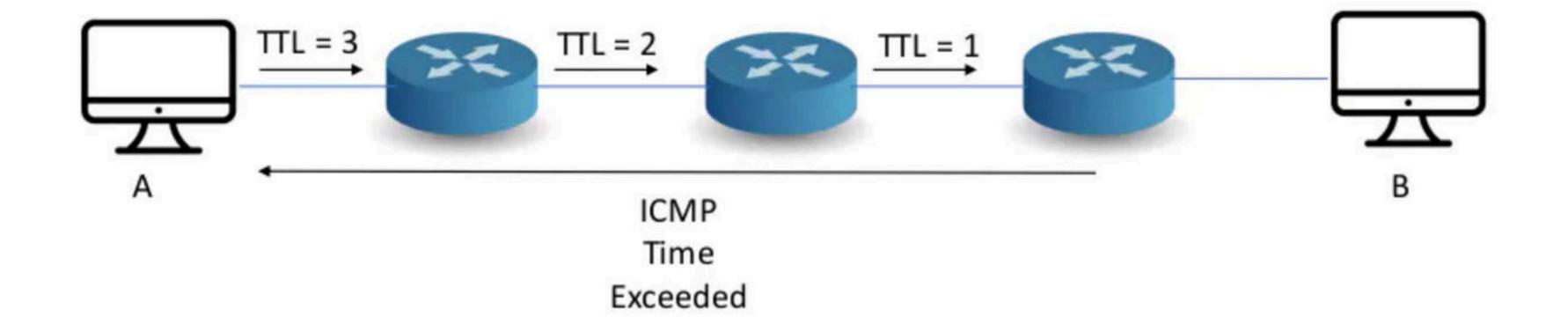


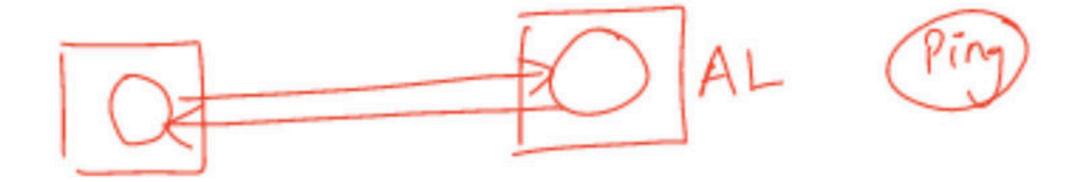
IP-> lost-> 1 CMP

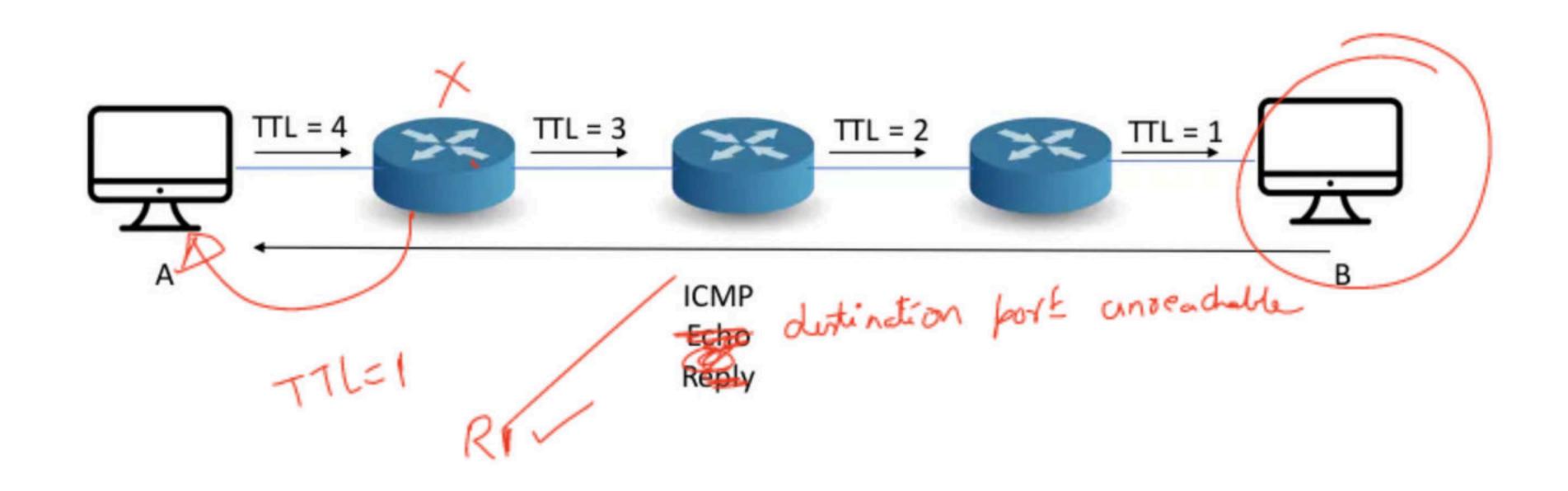
I CMP-> lost-> XI(MP

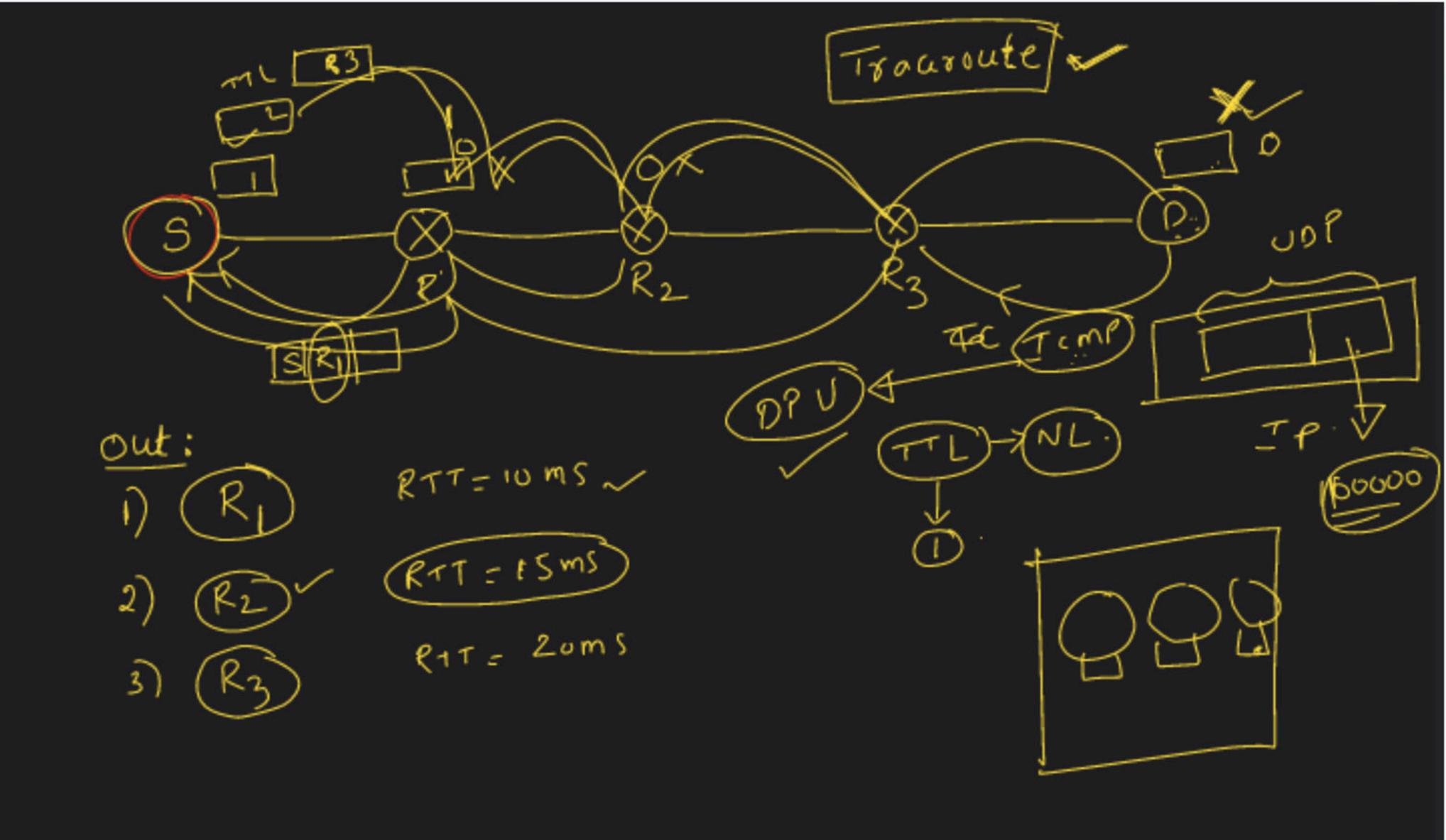






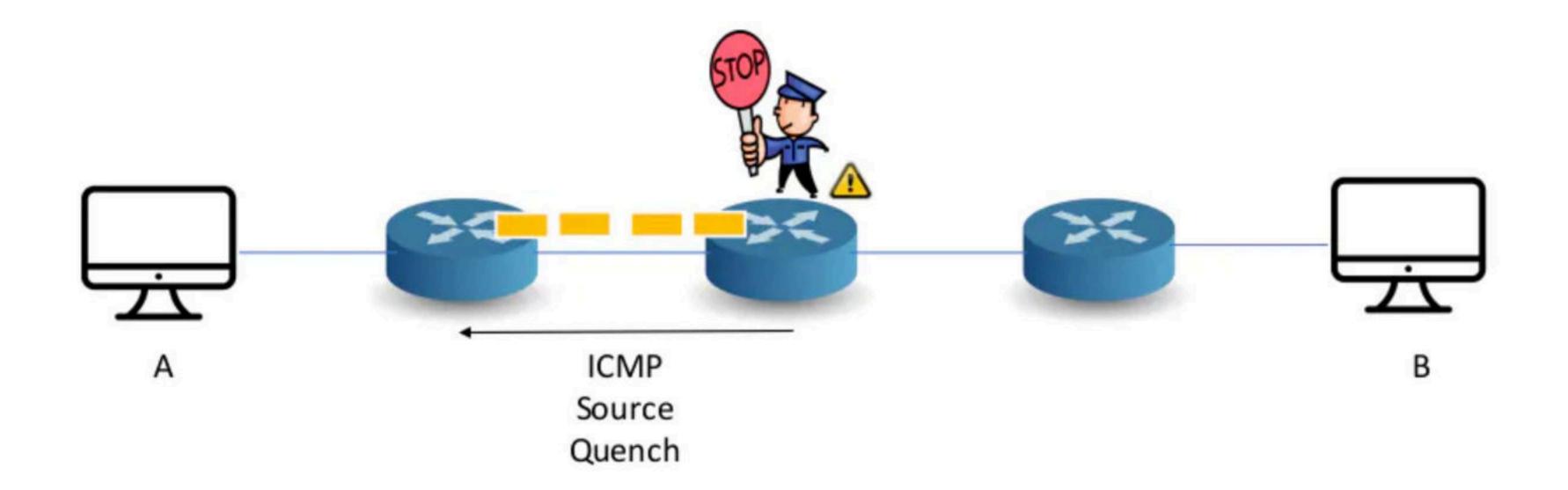


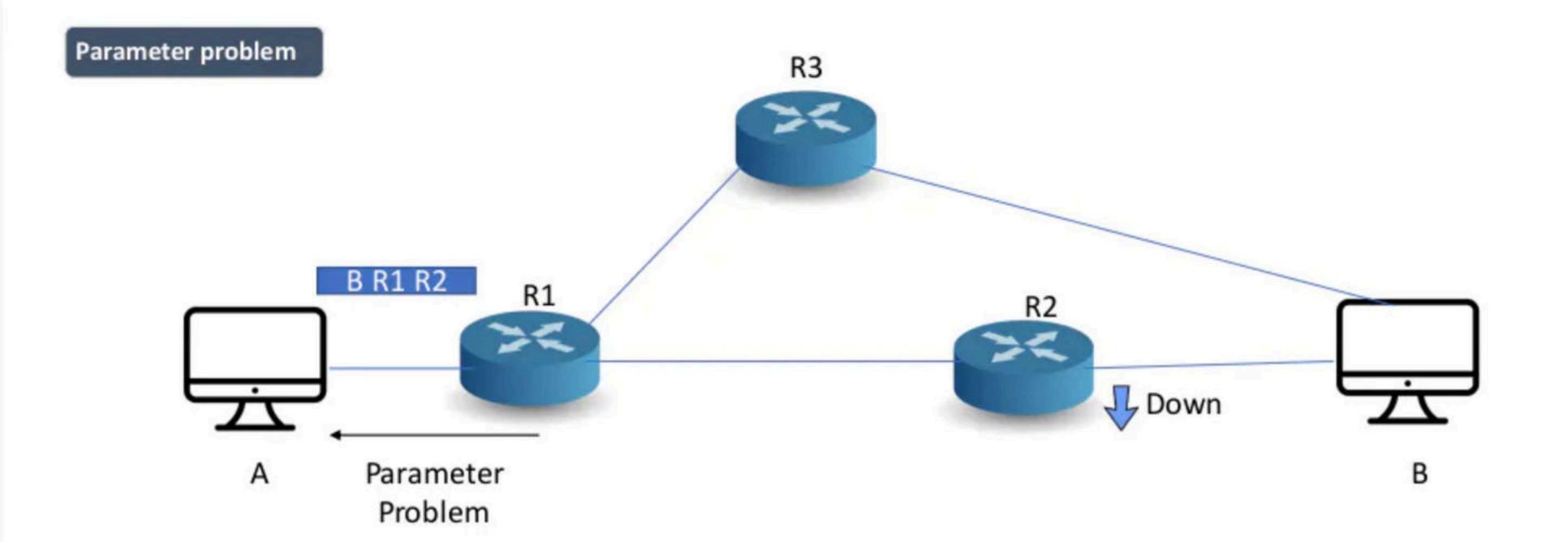




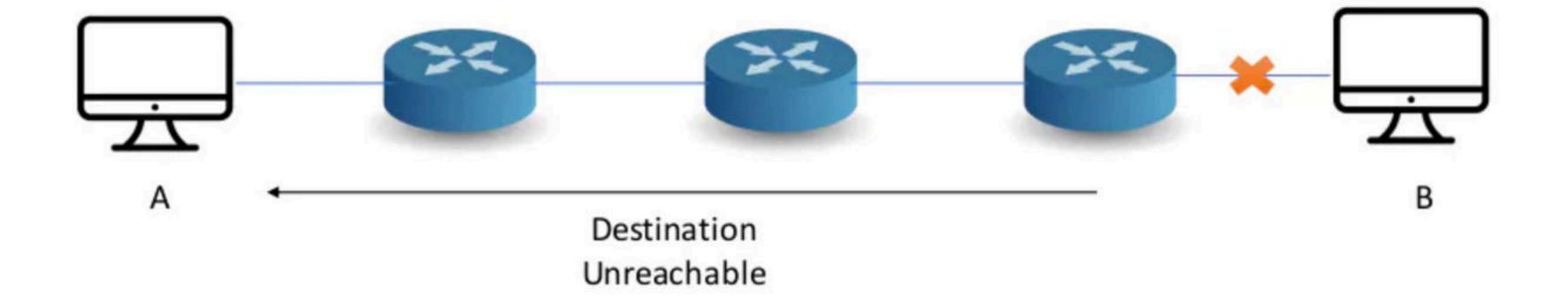


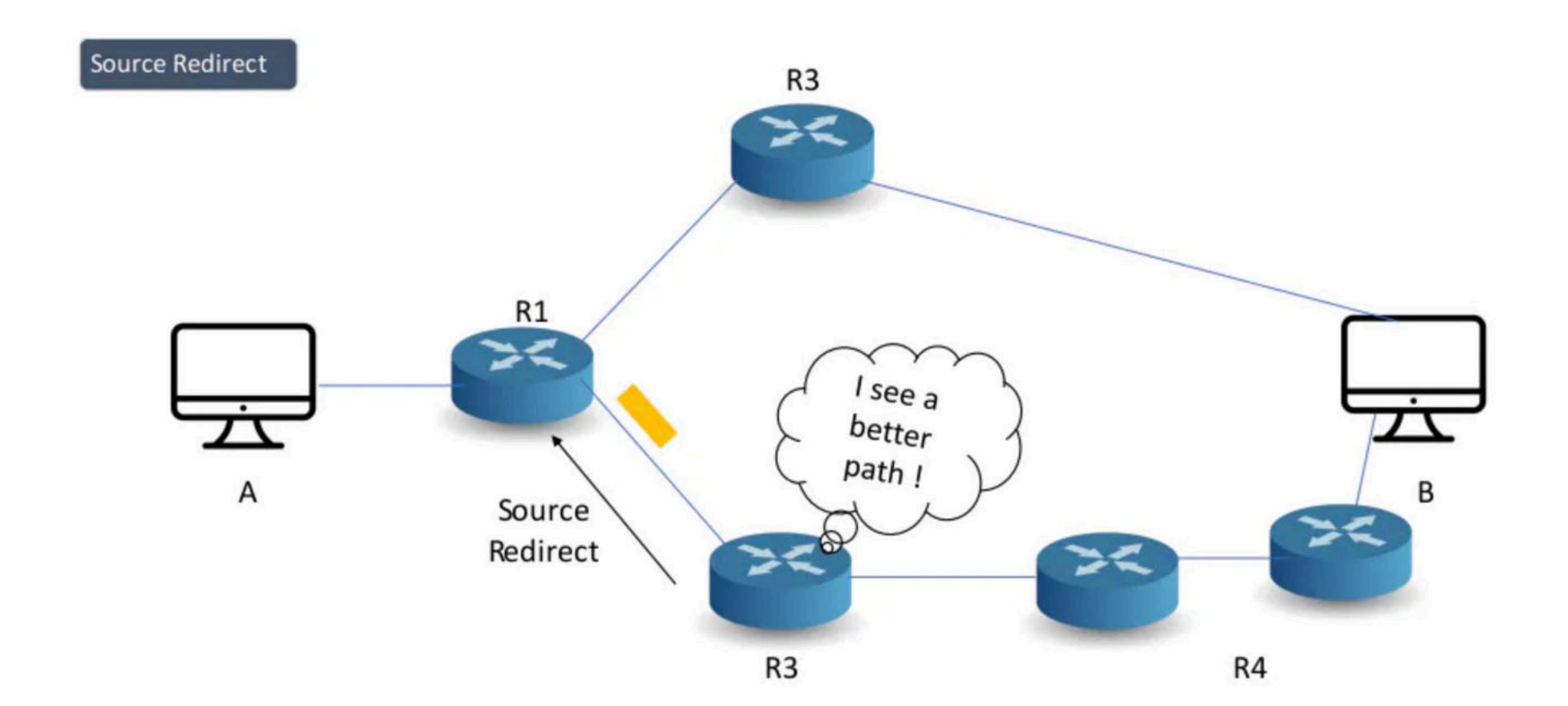
Source quench





Destination unreachable



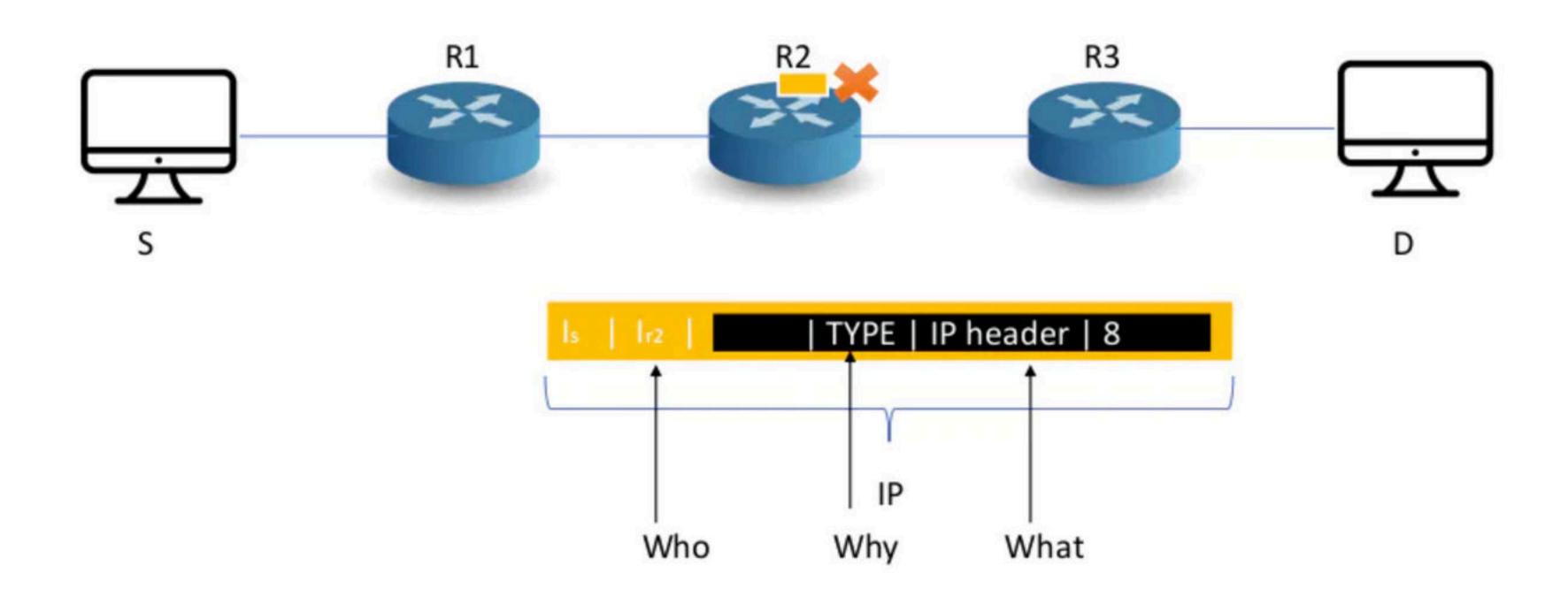


These are things that sender should know:

Who discarded?

Why it got discarded?

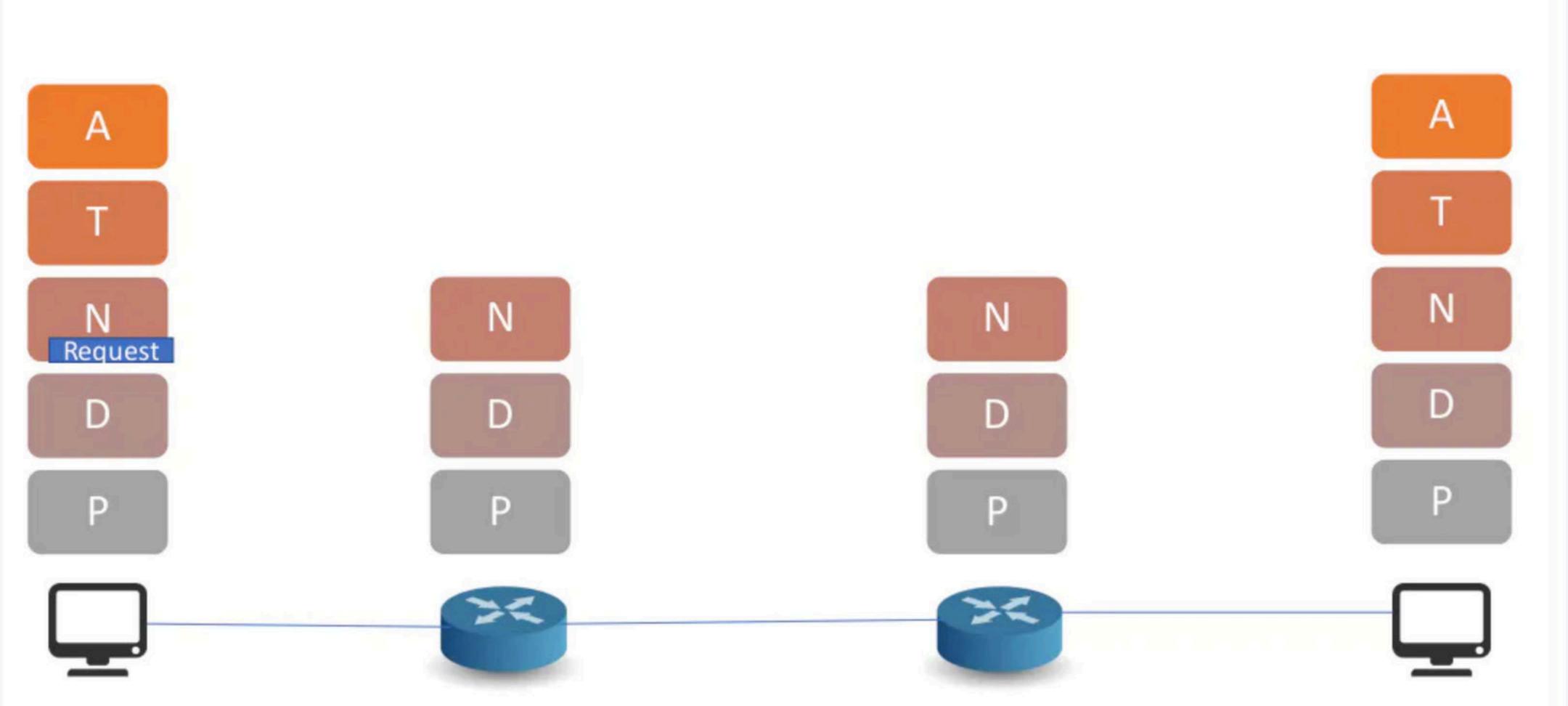
What packet did you discard?



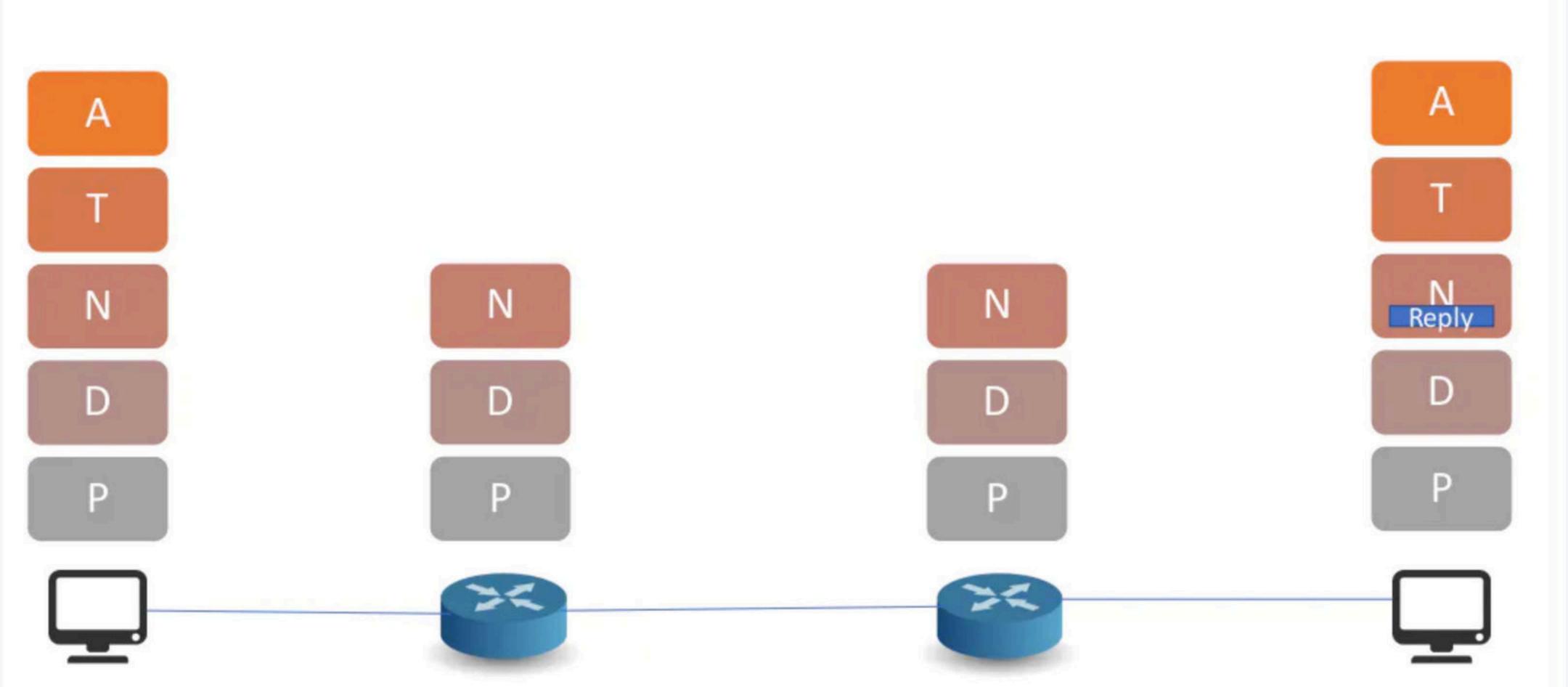
Computer Networks

ICMP Part 2

Echo Request and Reply



Echo Request and Reply



Echo Request and Reply

Attack possible DENIAL OF SERVICE

PING is the Packet InterNet Grope



T

ping ping ping ping

D

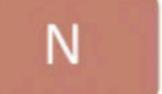




















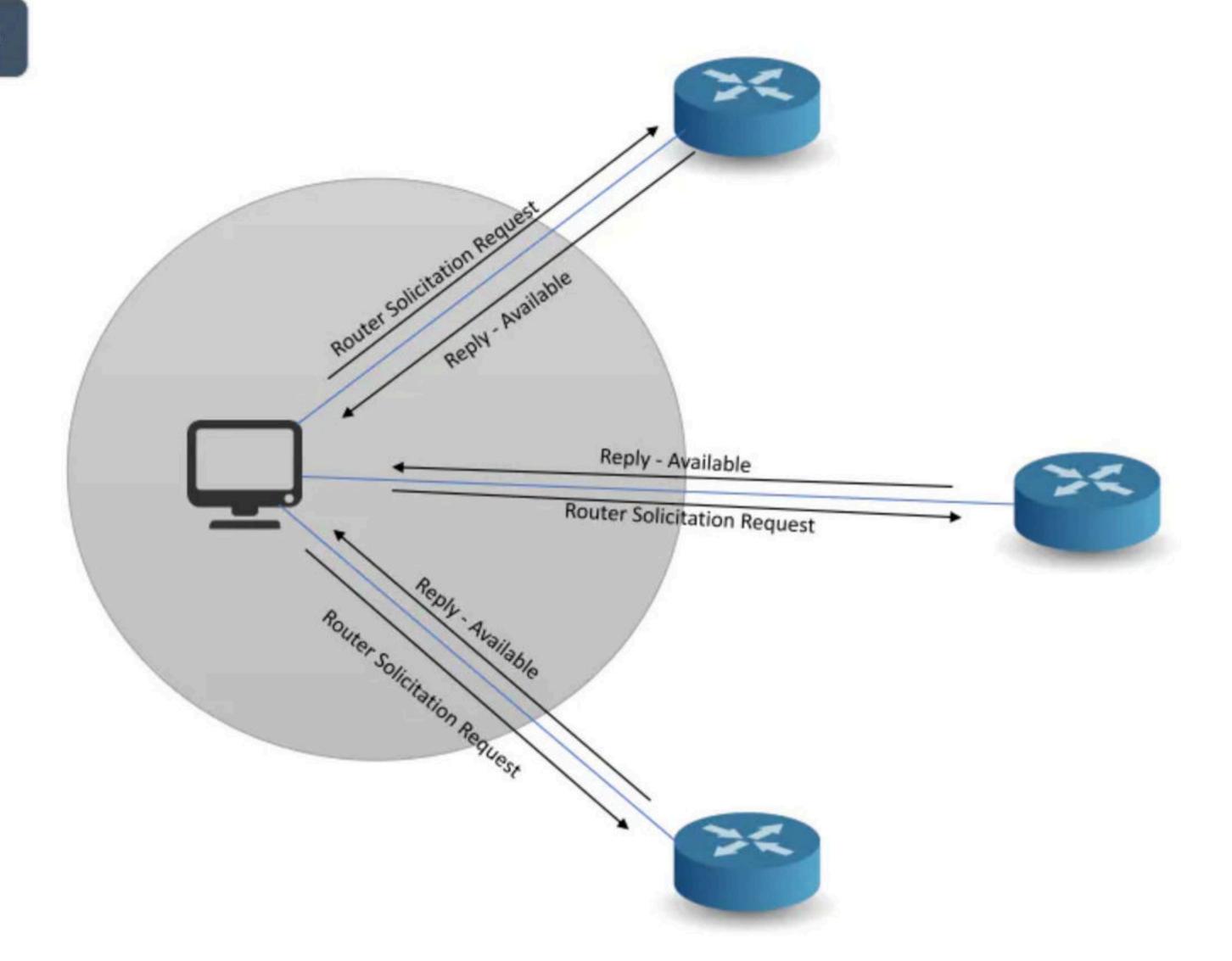


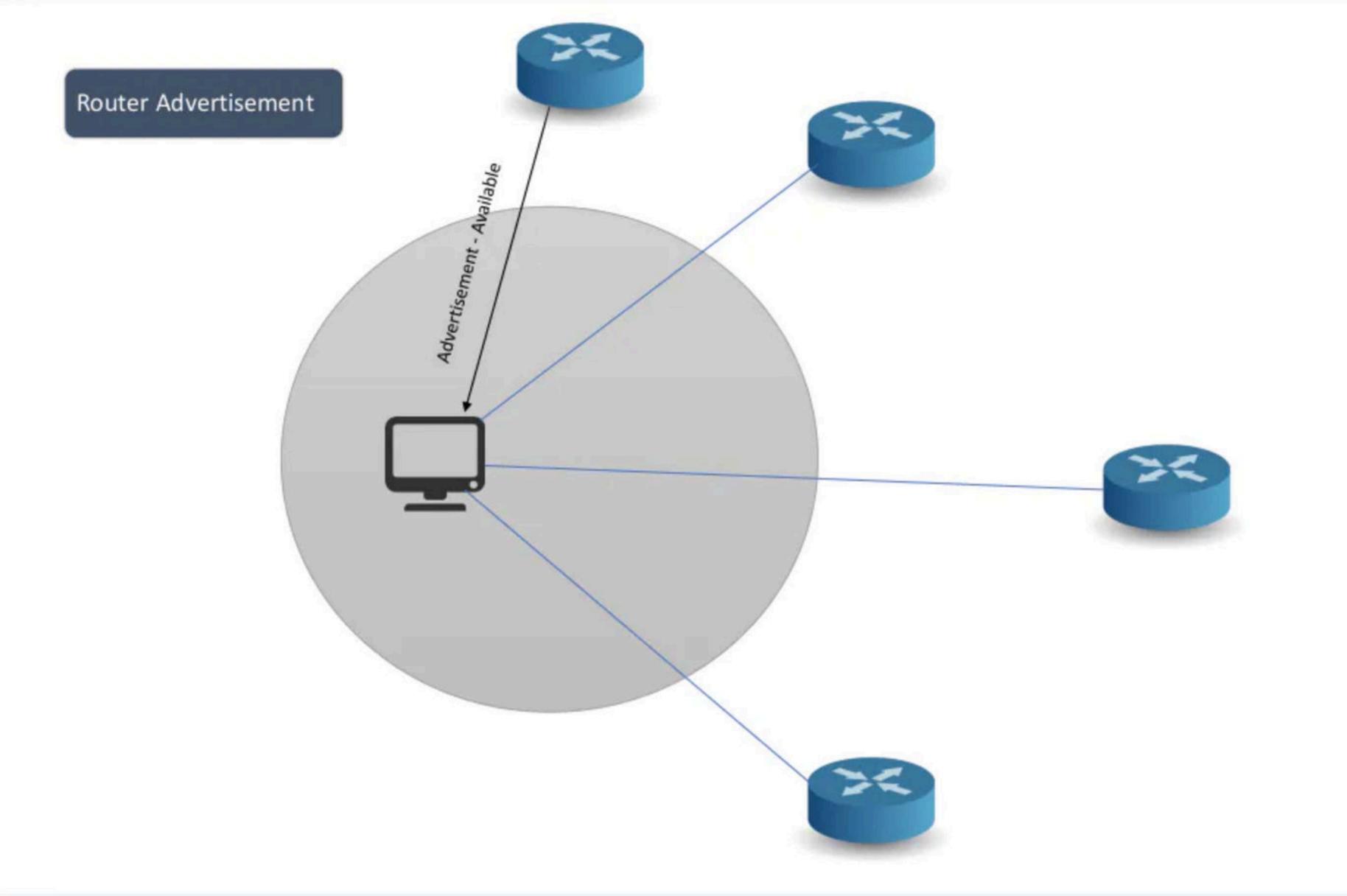


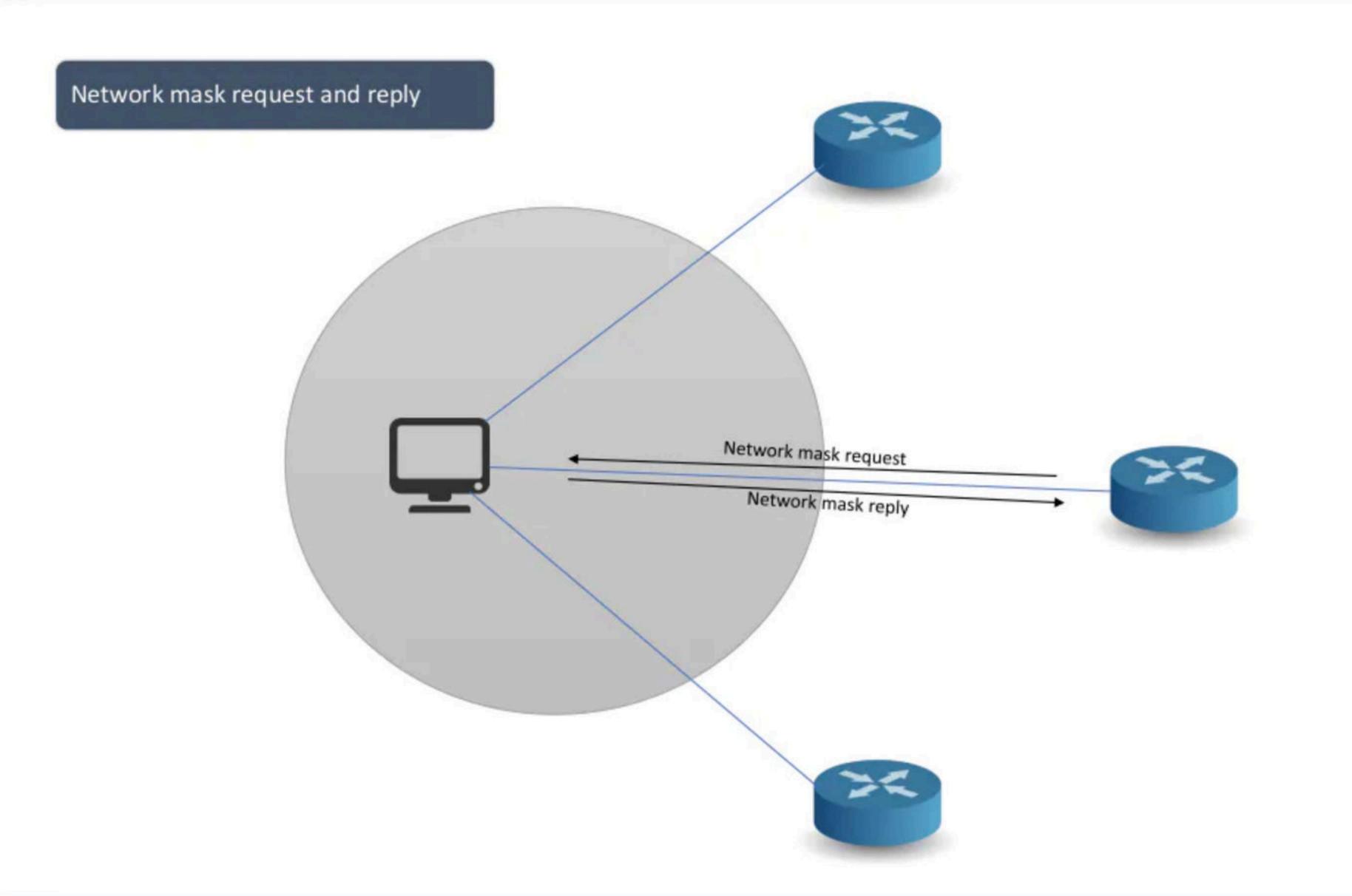












Timestamp request and reply

- ICMP Timestamp Request and Timestamp Reply messages are used by network routers to synchronize their system clocks for time and date.
- When a router needs to synchronize its system time, it sends an ICMP Timestamp Request message to the other router.
- Once the ICMP Timestamp Request message is received by the other router, it will respond back with an ICMP Timestamp Reply message.
- Timestamp Reply message contains other router's date and time.
- ICMP Timestamp Request and Timestamp Reply messages are not used much these days, because there an entire protocol itself is dedicated for network device time synchronization.