

Complete Course on Computer Networks - Part III



### 03-04-2021 Classes by RavindrababuRavula

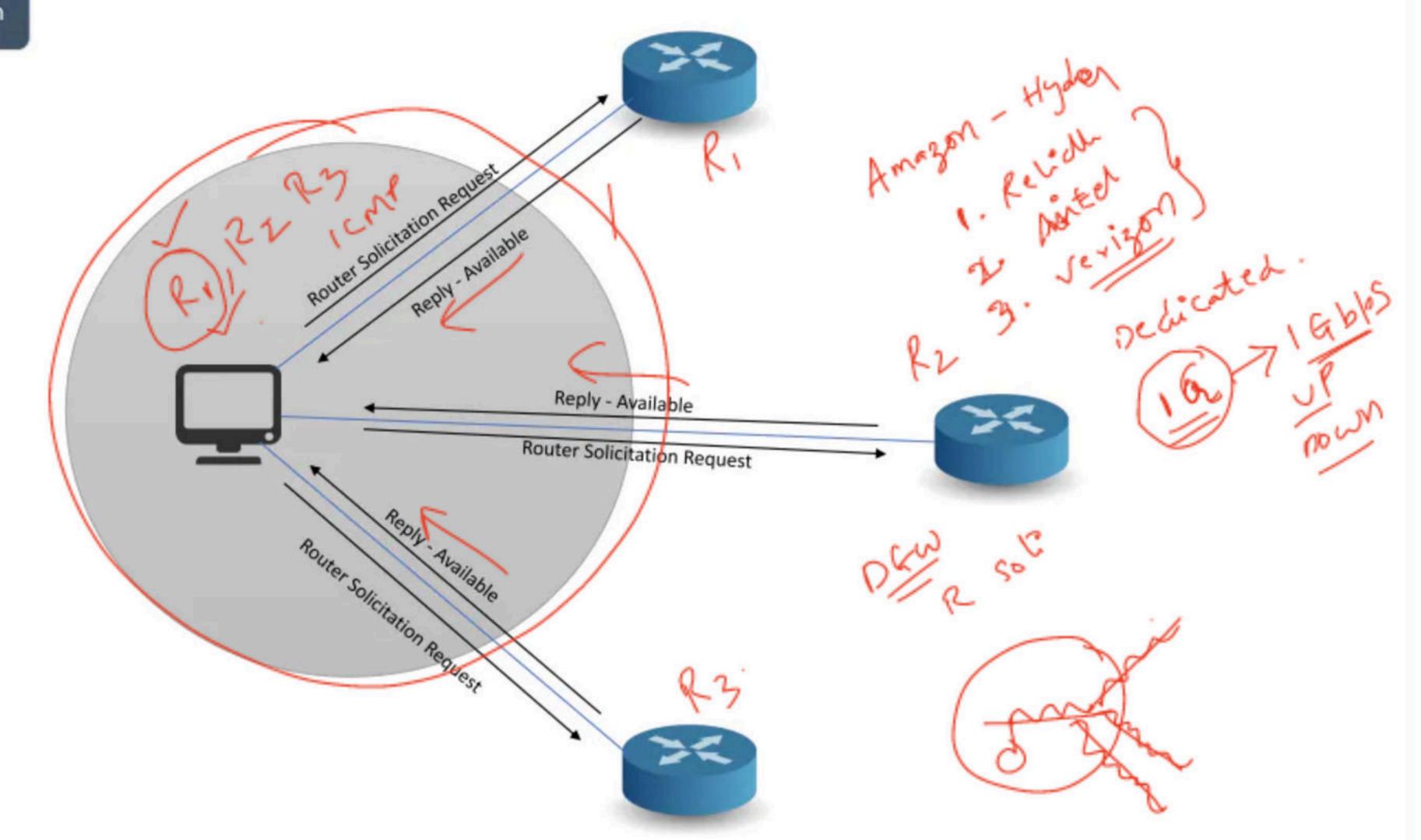
9:00 - 11:00 PM

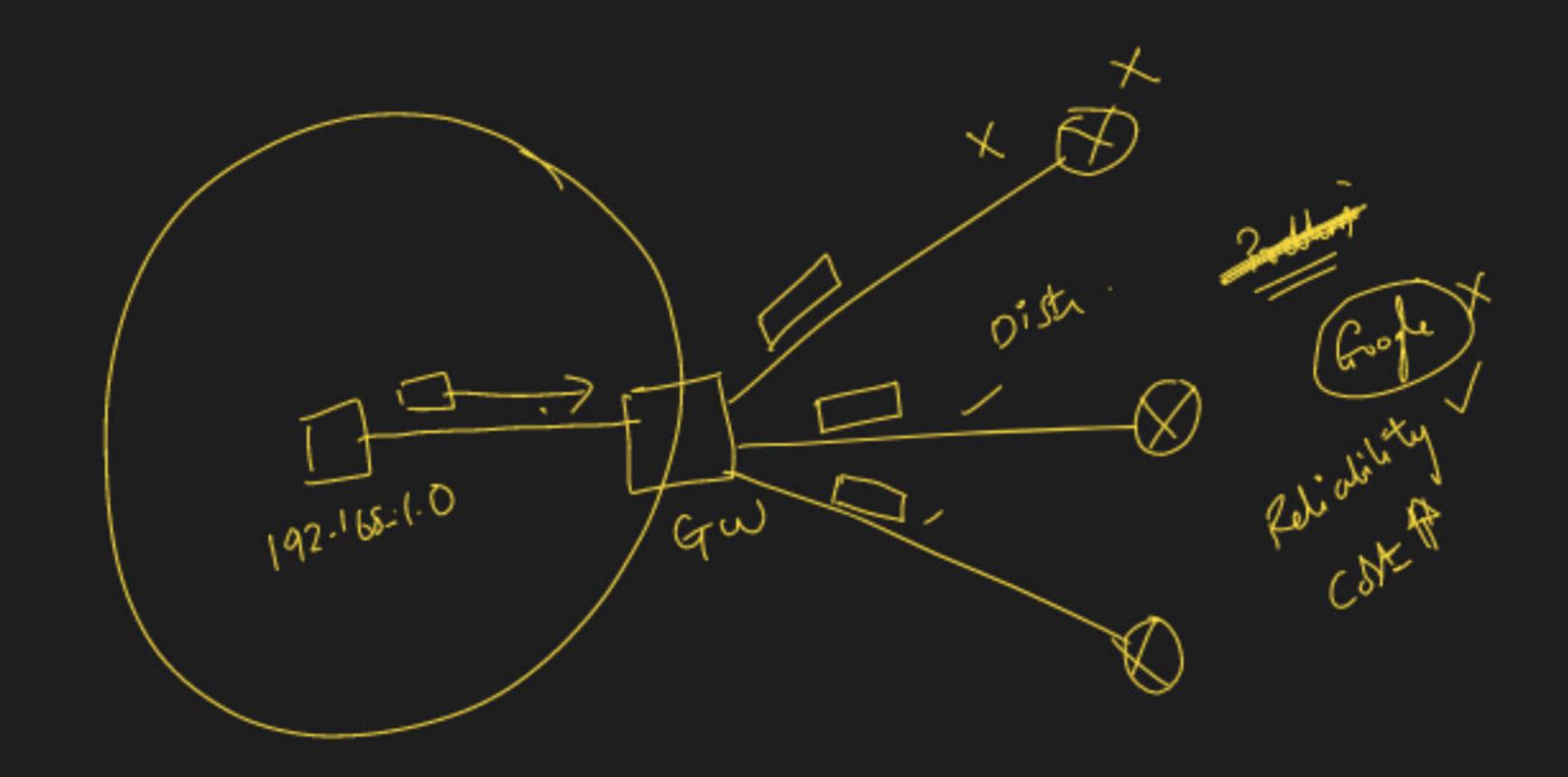
Lecture Name	Time
Minimal Cover with Examples, Lossless Decomposition, FD Preserving and Decomposition Examples   DBMS	6:00 - 7:00AM
TCP Header Part-2, Retransmission in TCP   CN	9 07:00 - 08:00 AM
Asymptotic time and space complexity Part-1 Practice Questions   Algorithms	5:00- 6:00 PM
Java Class	6:00 - 7:00PM
Linux Course	7:00 - 8:00PM
Web Technologies	8:00 - 9:00 PM

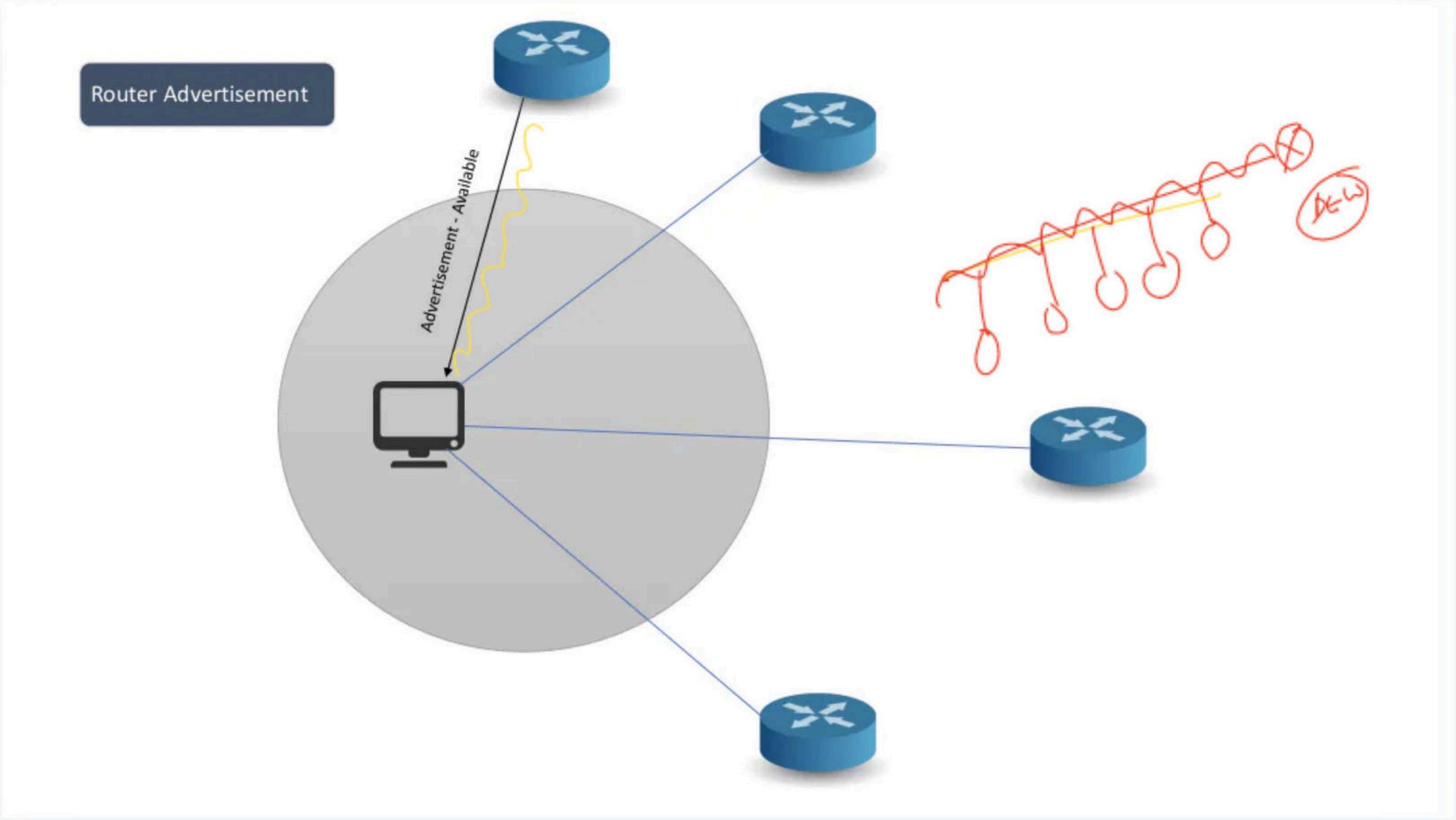
C++ Classes

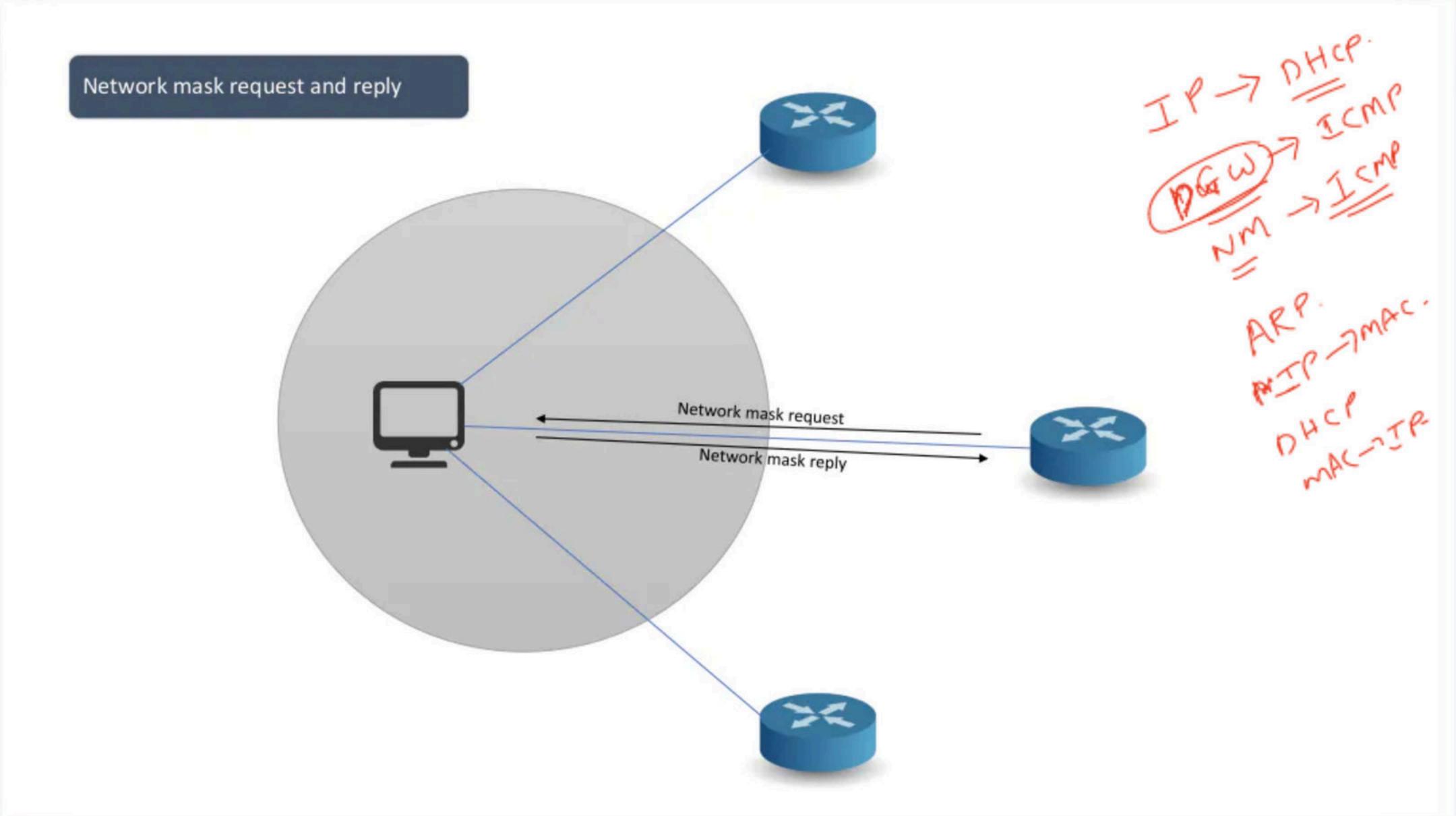


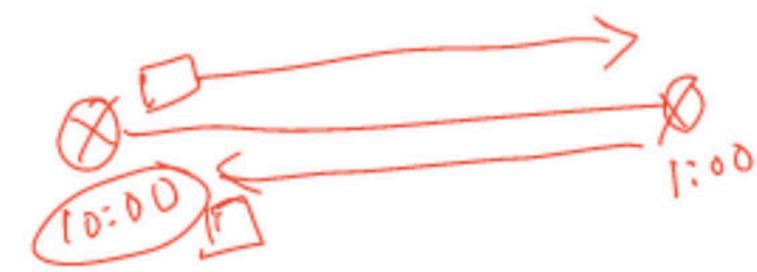
**Router Solicitation** 



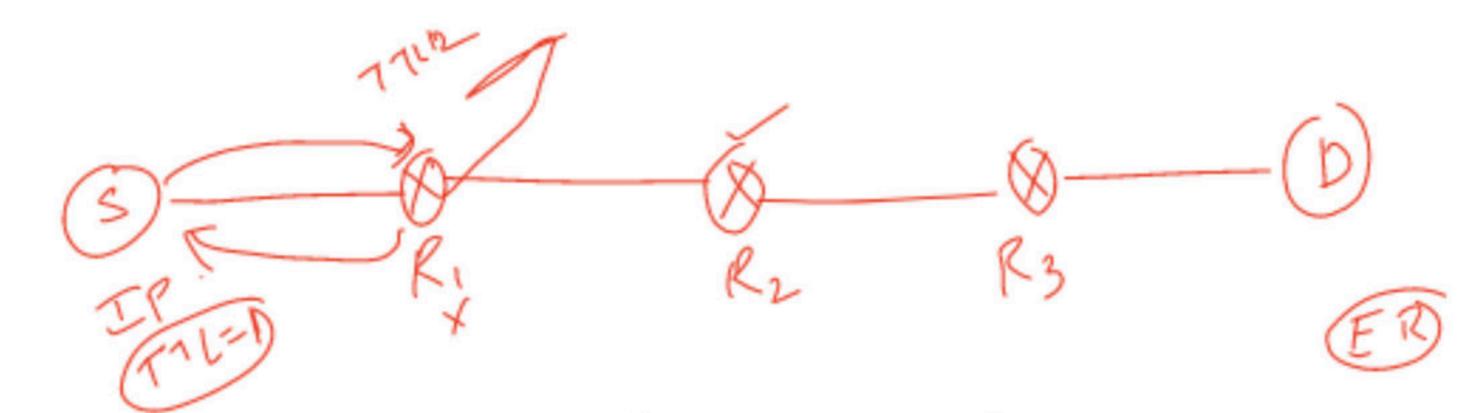






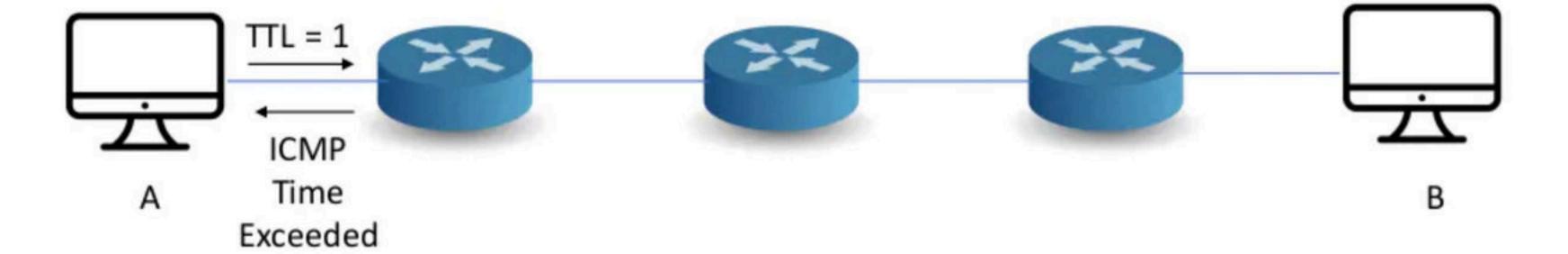


- ICMP Timestamp Request and Timestamp Reply messages are used by network routers to synchronize their system clocks for time and date.
- When a router needs to synchronize its system time, it sends an ICMP Timestamp Request message to the other router.
- Once the ICMP Timestamp Request message is received 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.



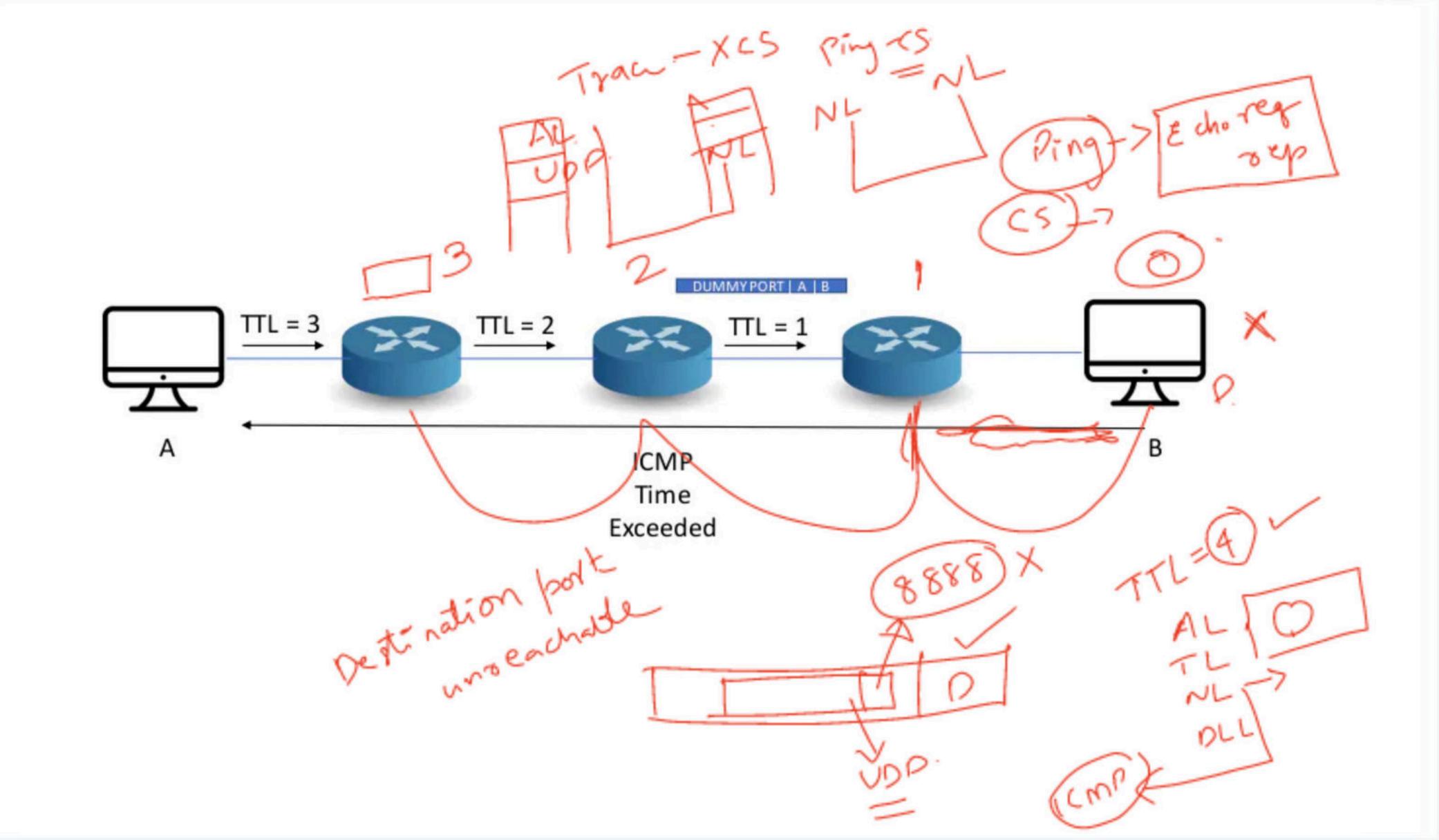
# Computer Network Trace route

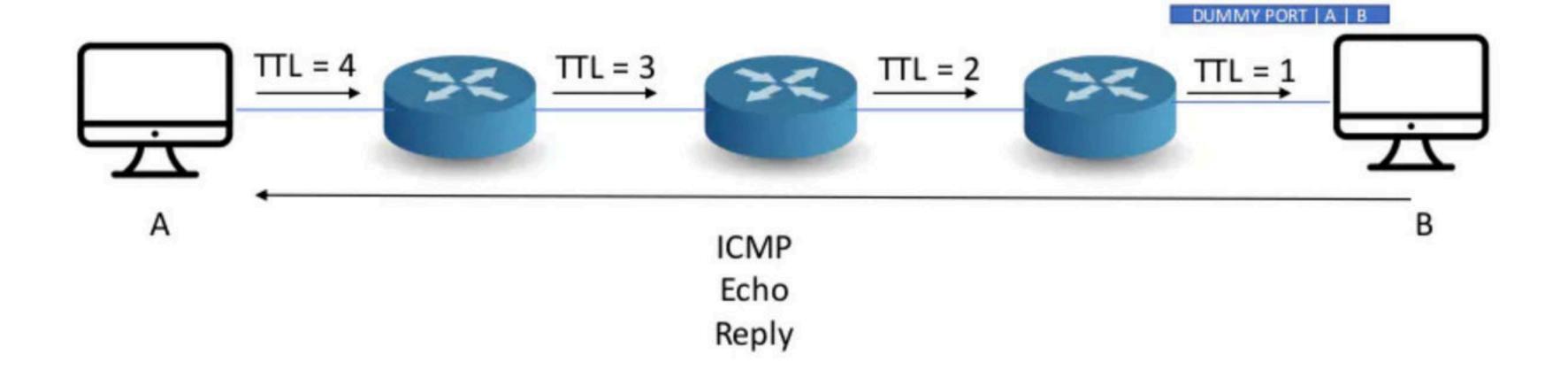
#### DUMMY PORT | A | B

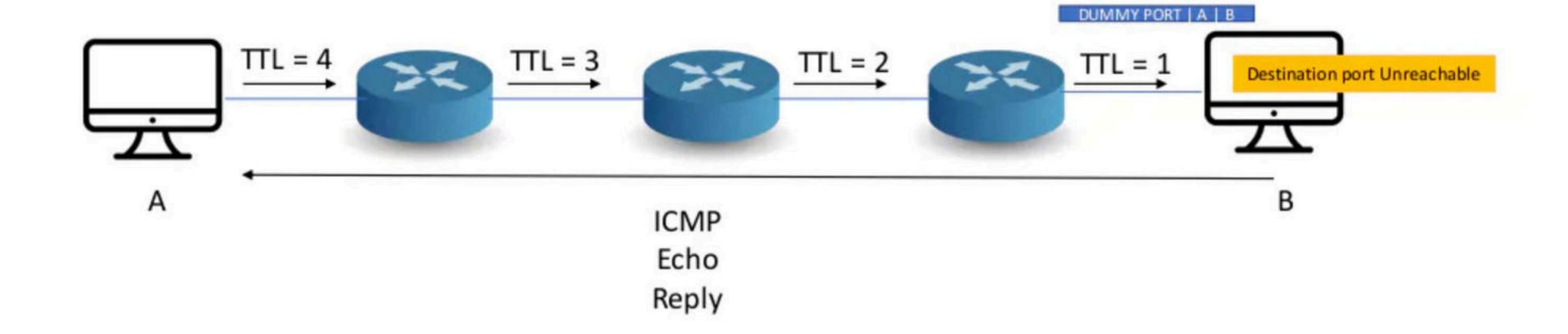


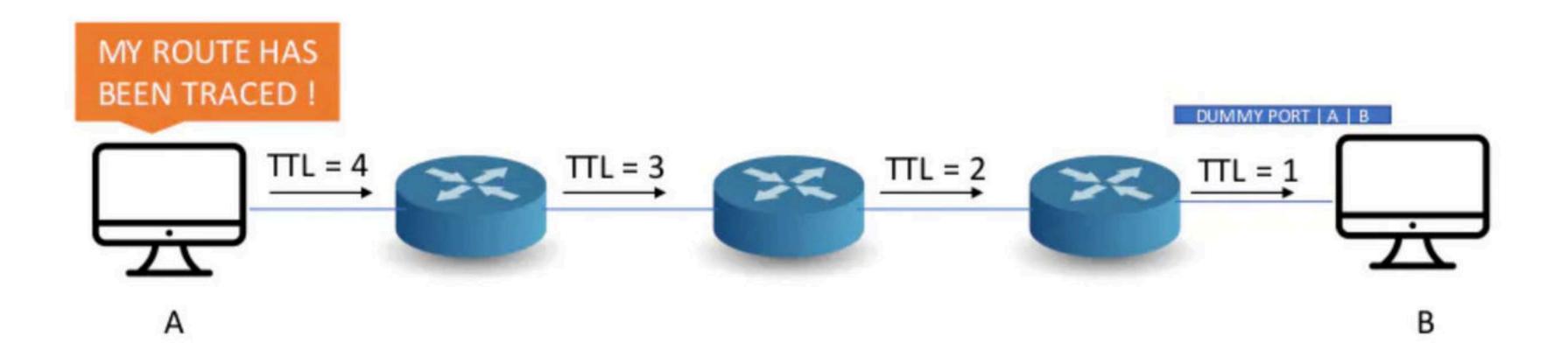


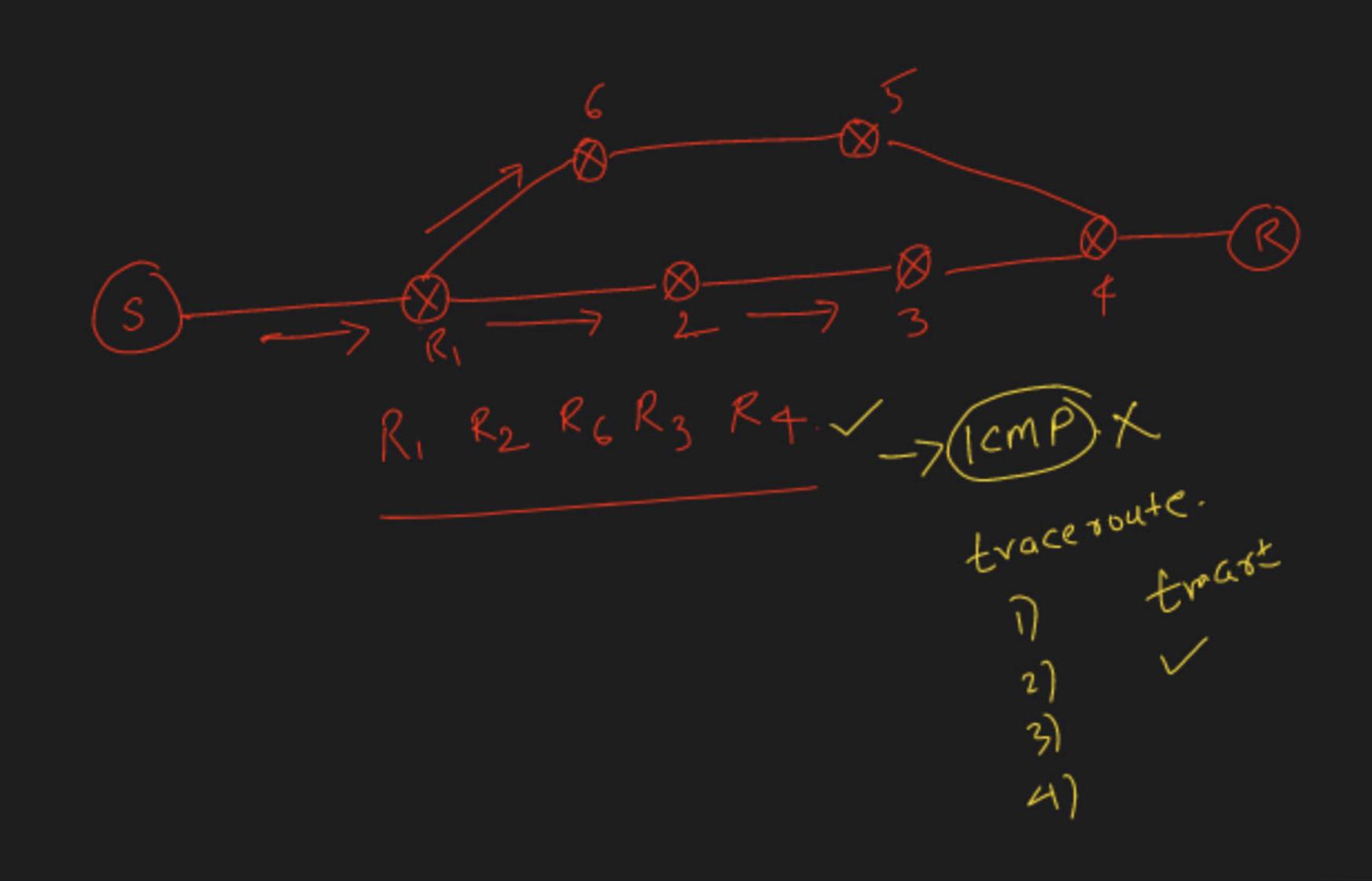
# A ICMP Time Exceeded





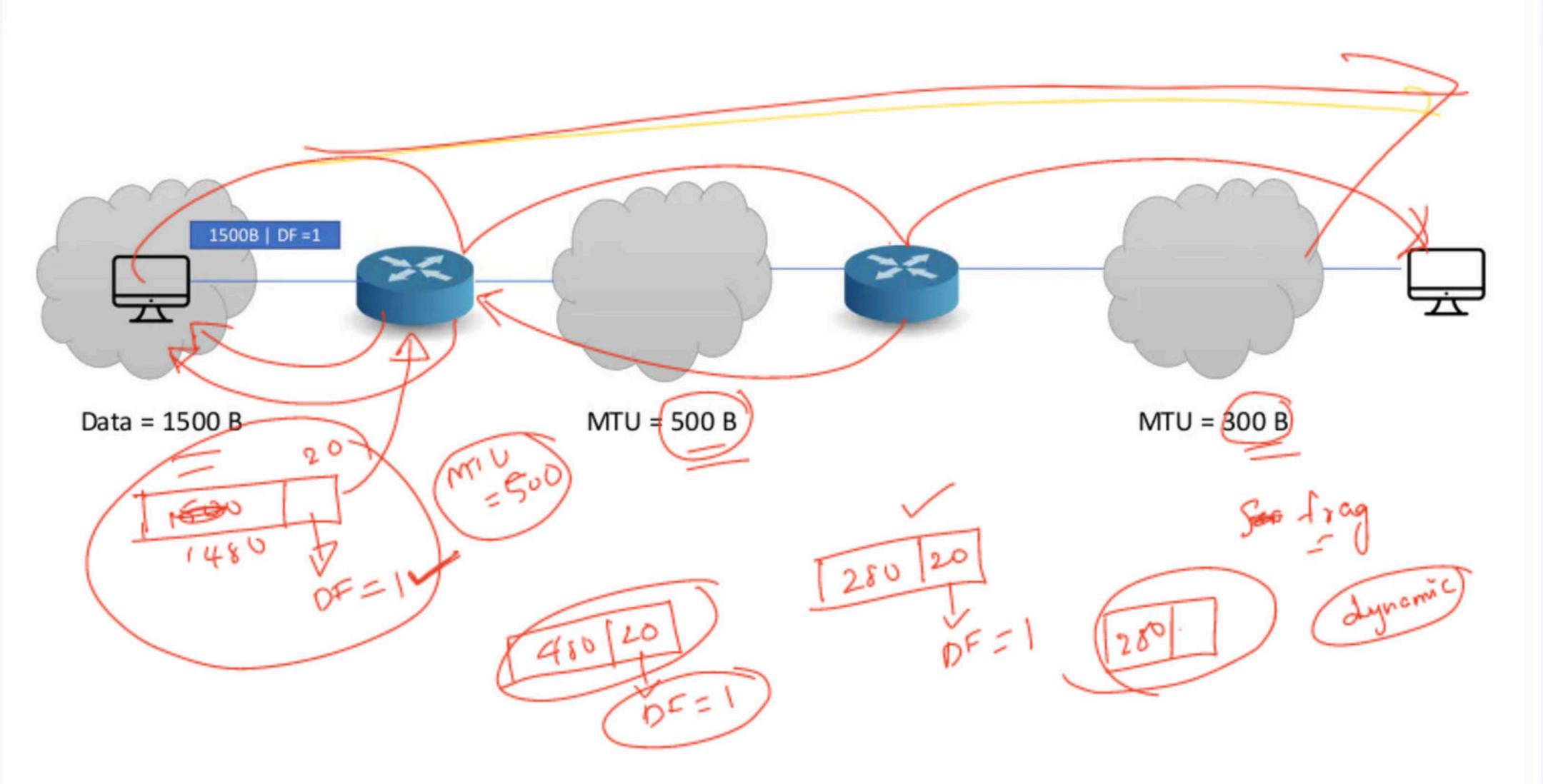


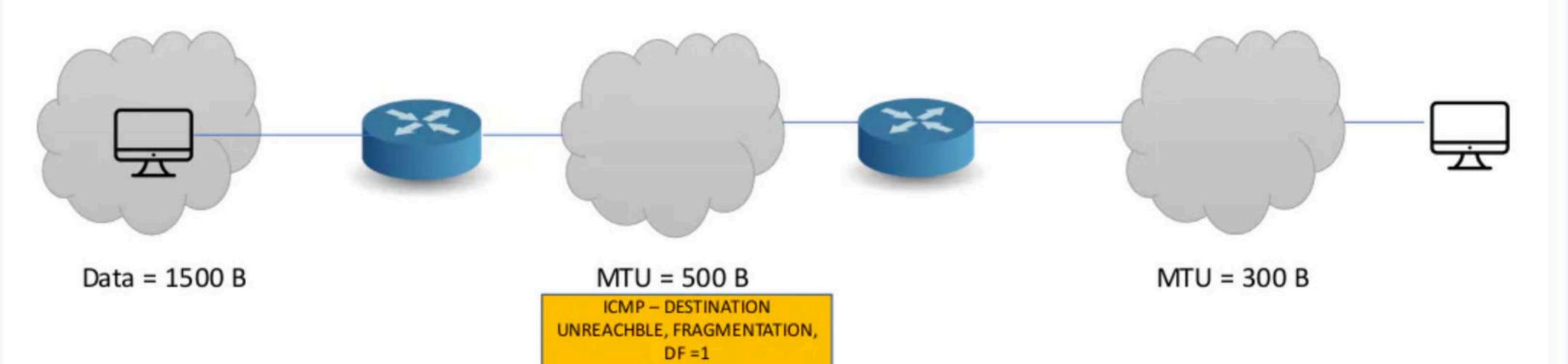




## Computer Networks

Path MTU Discovery





MTU =500B

