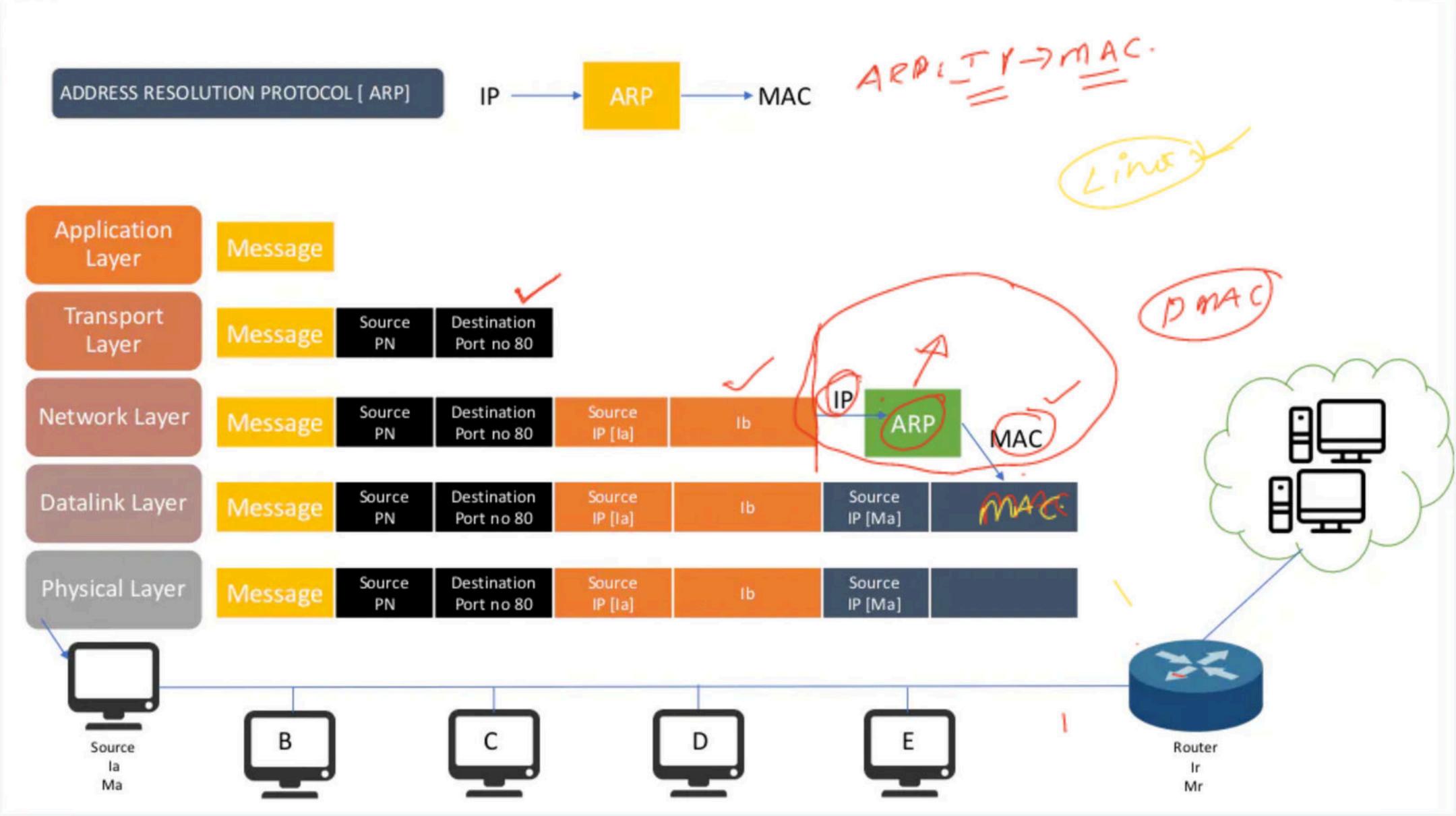


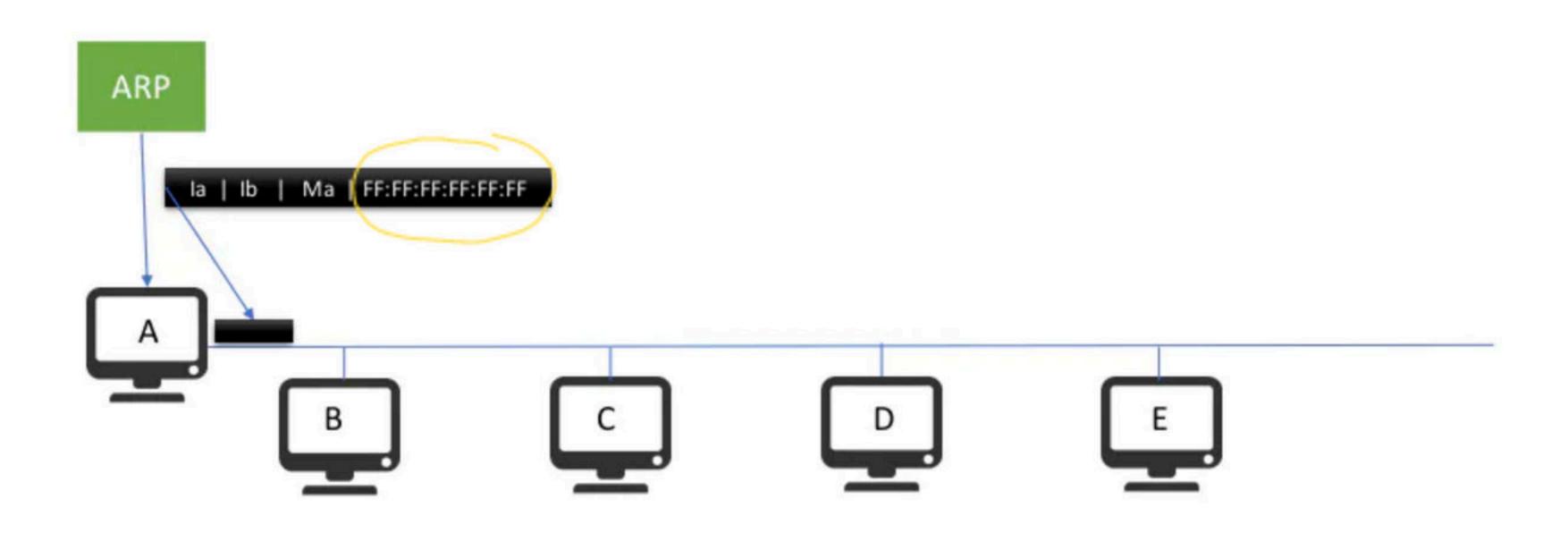
Complete Course on Computer Networks - Part III

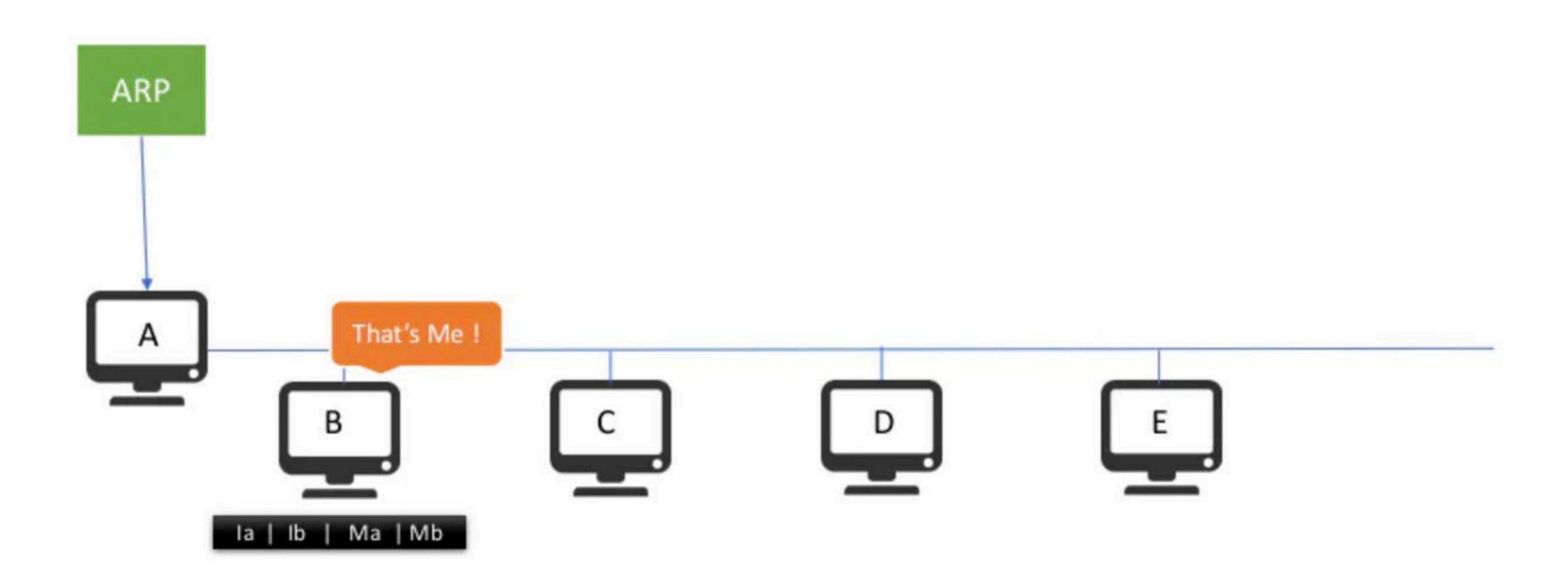
### 30-03-2021 Classes by Ravindrababu Ravula

Lecture Name	Time
Closure Set of Attributes and Gate Questions   DBMS	6.:00 AM
Traceroute, PMTDU, Routing and Flooding   CN	7:00 AM
Normalization Practice Questions   DBMS	8:05 PM 😨 🕒
Ages and Averages Practice Questions   APTITUDE	5:00PM 😑 🕟
Process Management Set -1   O.S.	6:00PM
Introduction to Linux Commands and Features   Hands on Linux Commands   L:2   Linux Course	7:00PM
21st Century Web Applications   L:2   Web Technologies	8:00PM

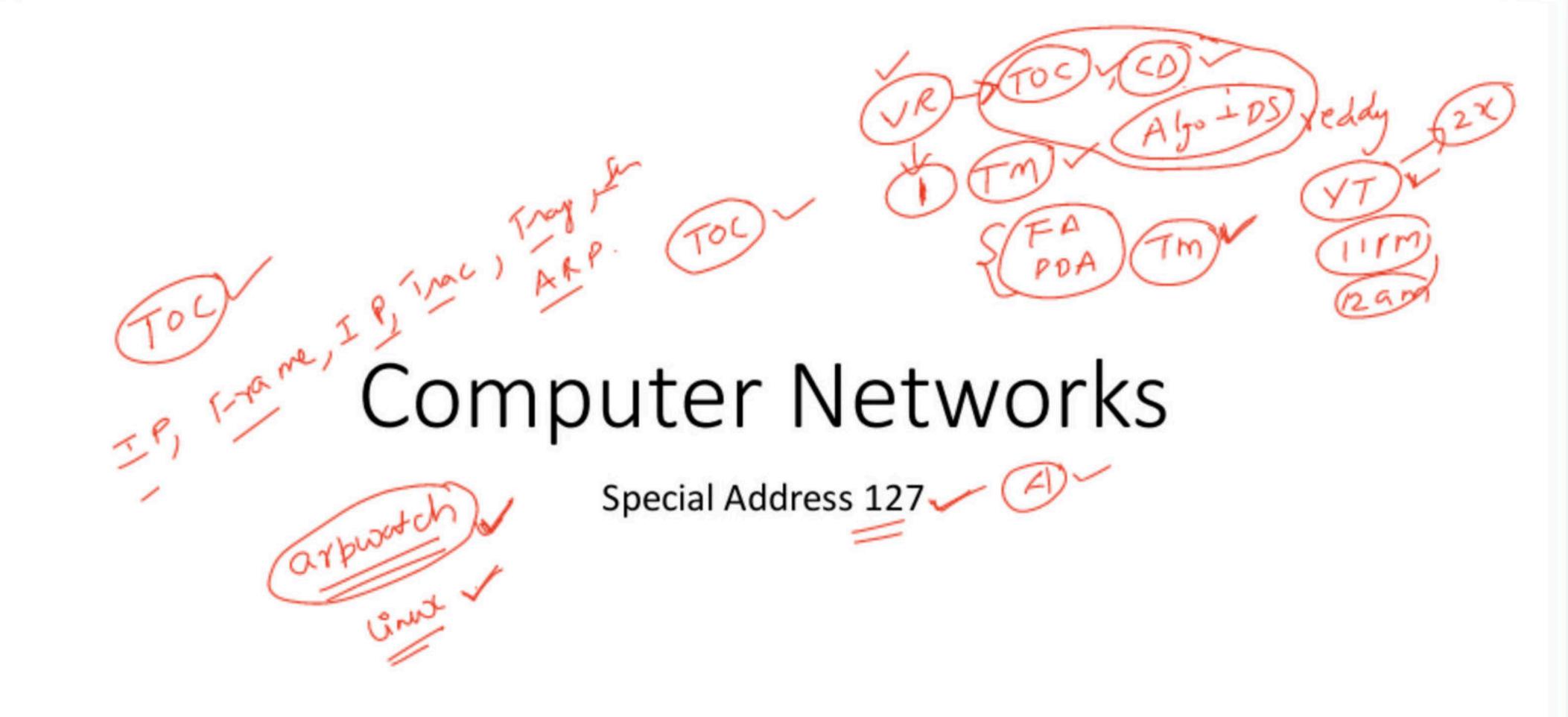
Course



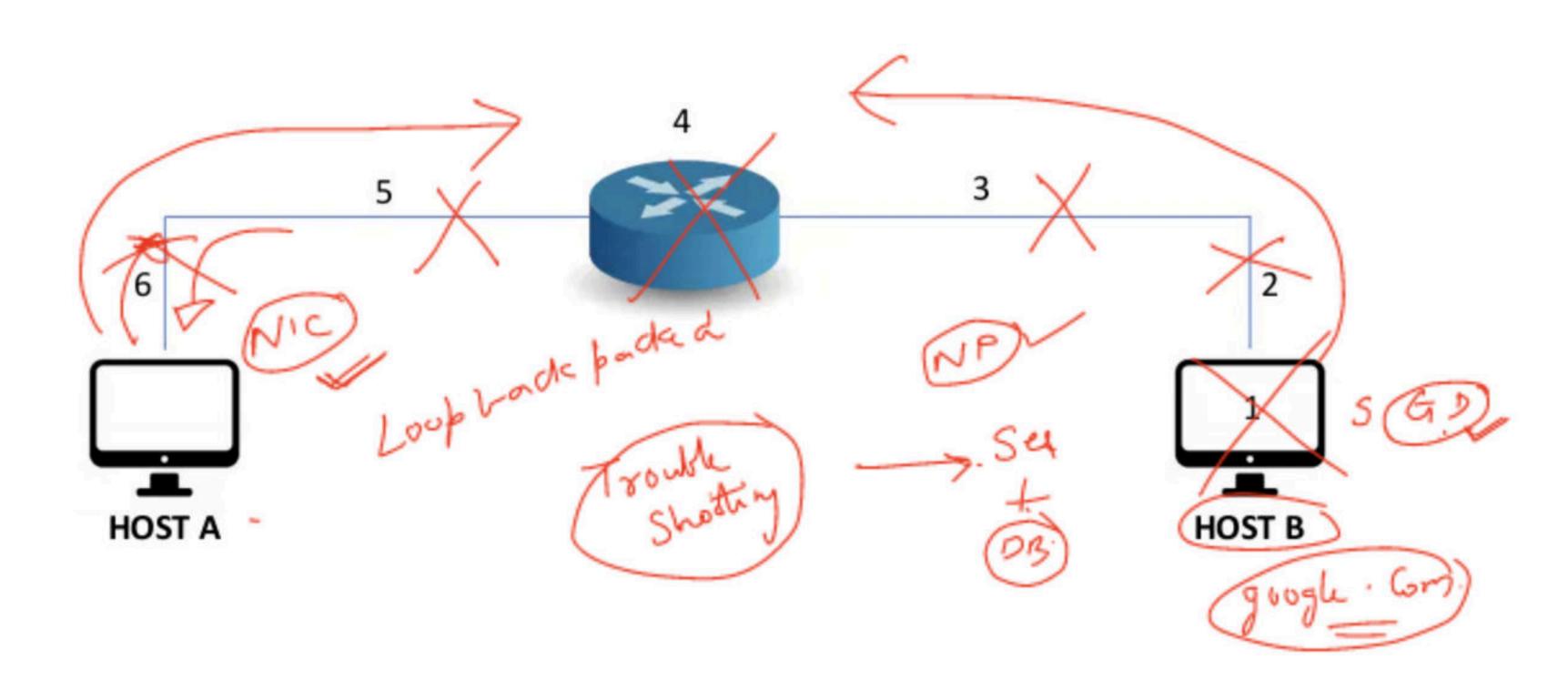


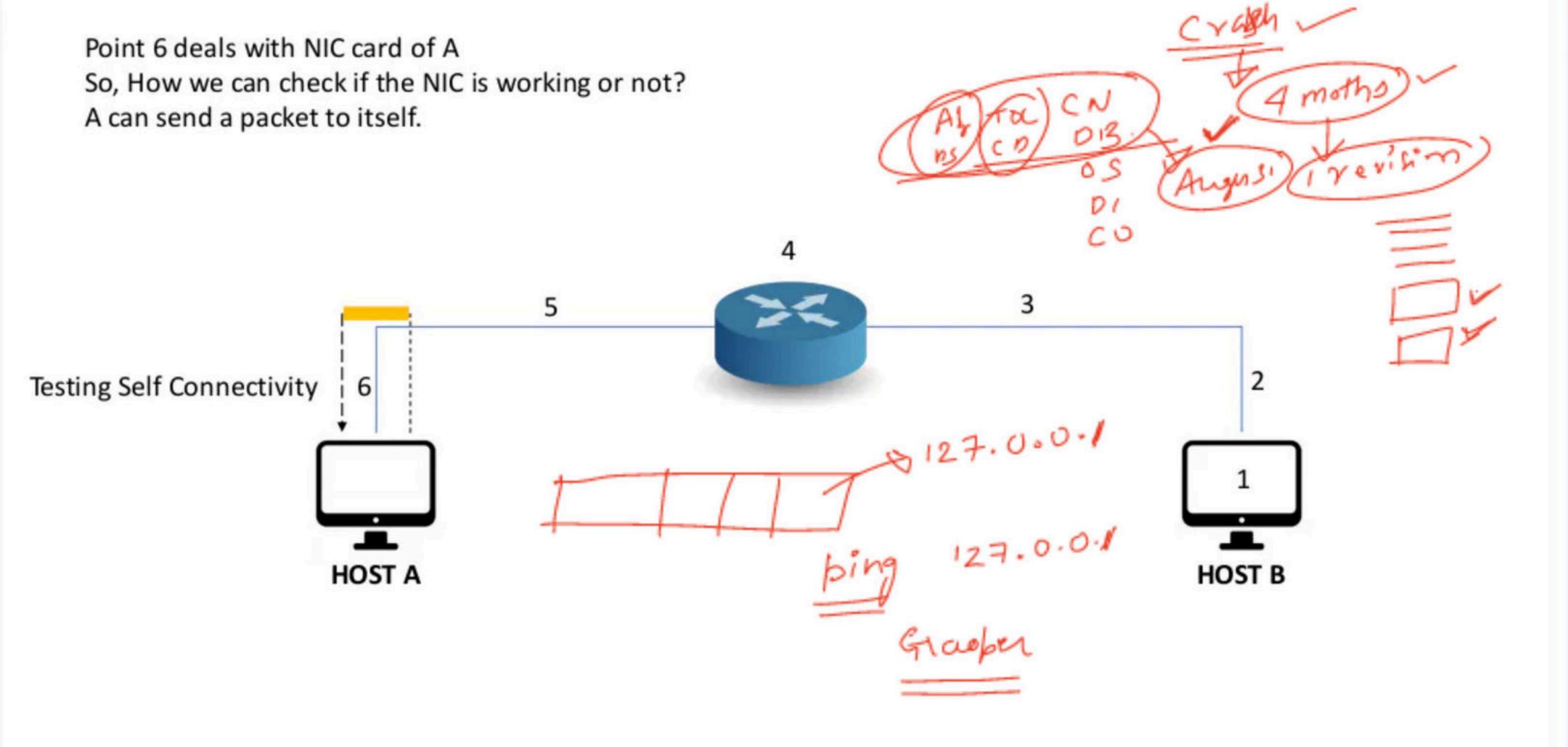


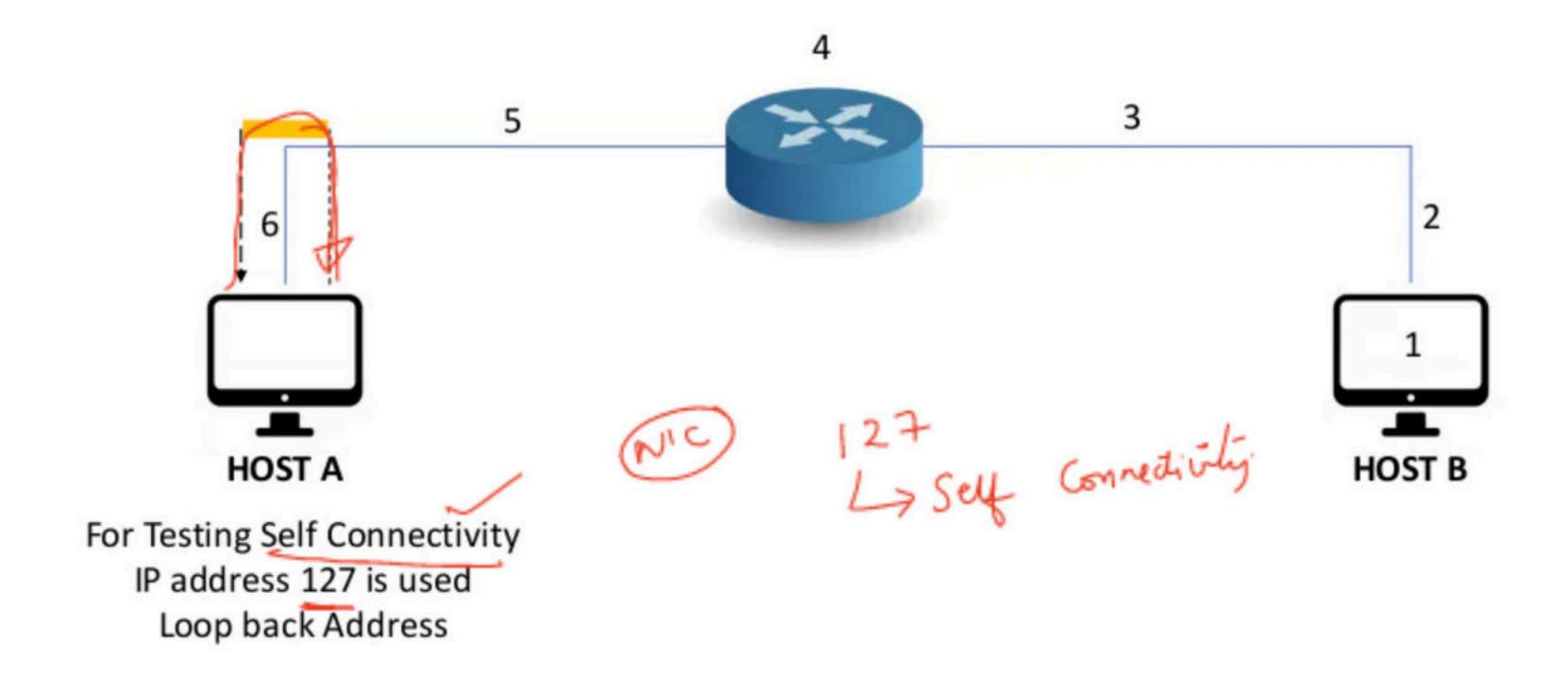
**KEY POINTS ABOUT ARP** ARP Request is Broadcast ARP reply is Unicast Finding the MAC Address of Another host Finding the MAC Address of a Router Router wants to find MAC address of Another Router Router can find MAC address of a Host Mac -> Perm X (F) IP-> NOX (R) m ARP table

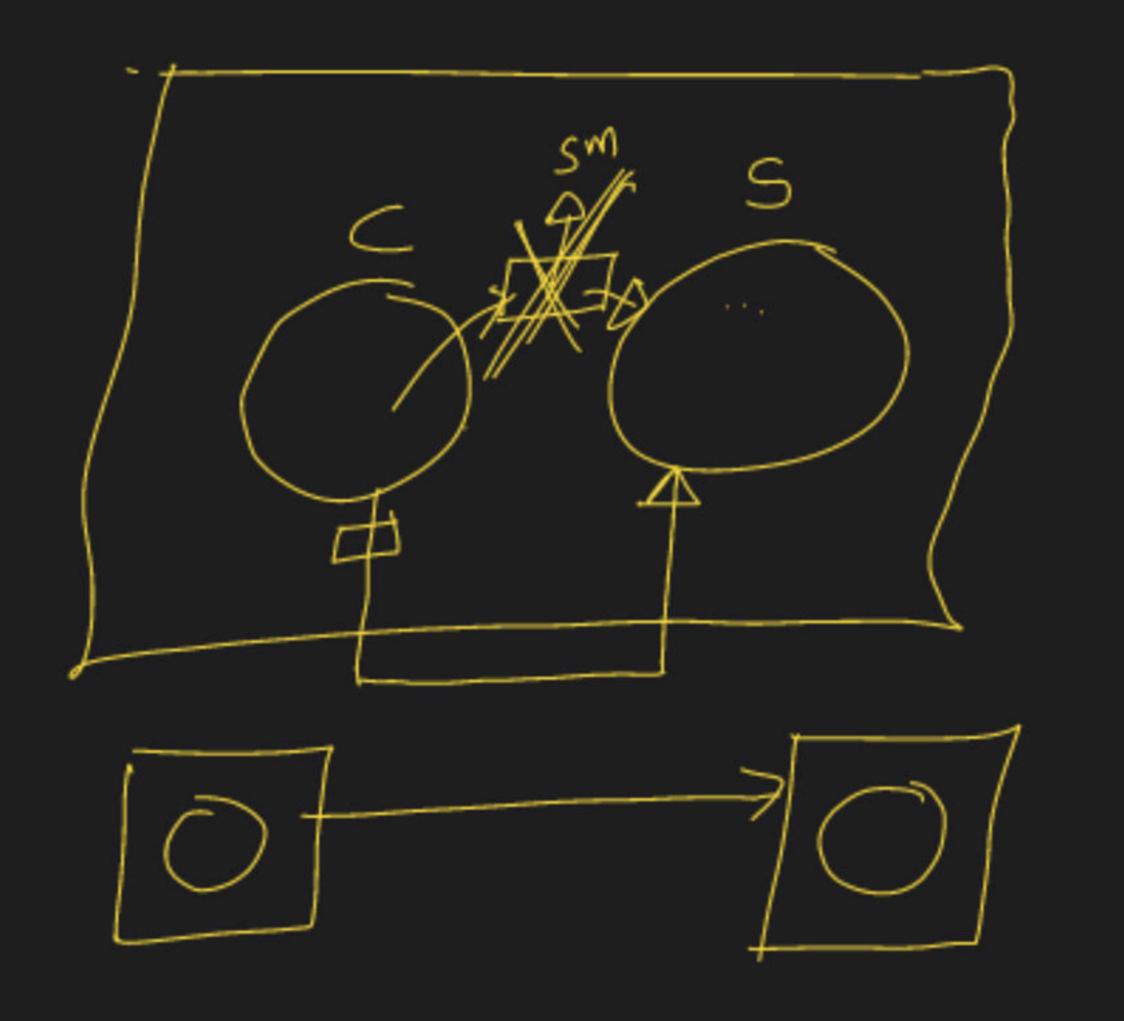


Suppose A has sent some data to B but B has not responded What could be the possibilities? 1,2,3,4,5,6 are the possibilities of failure.





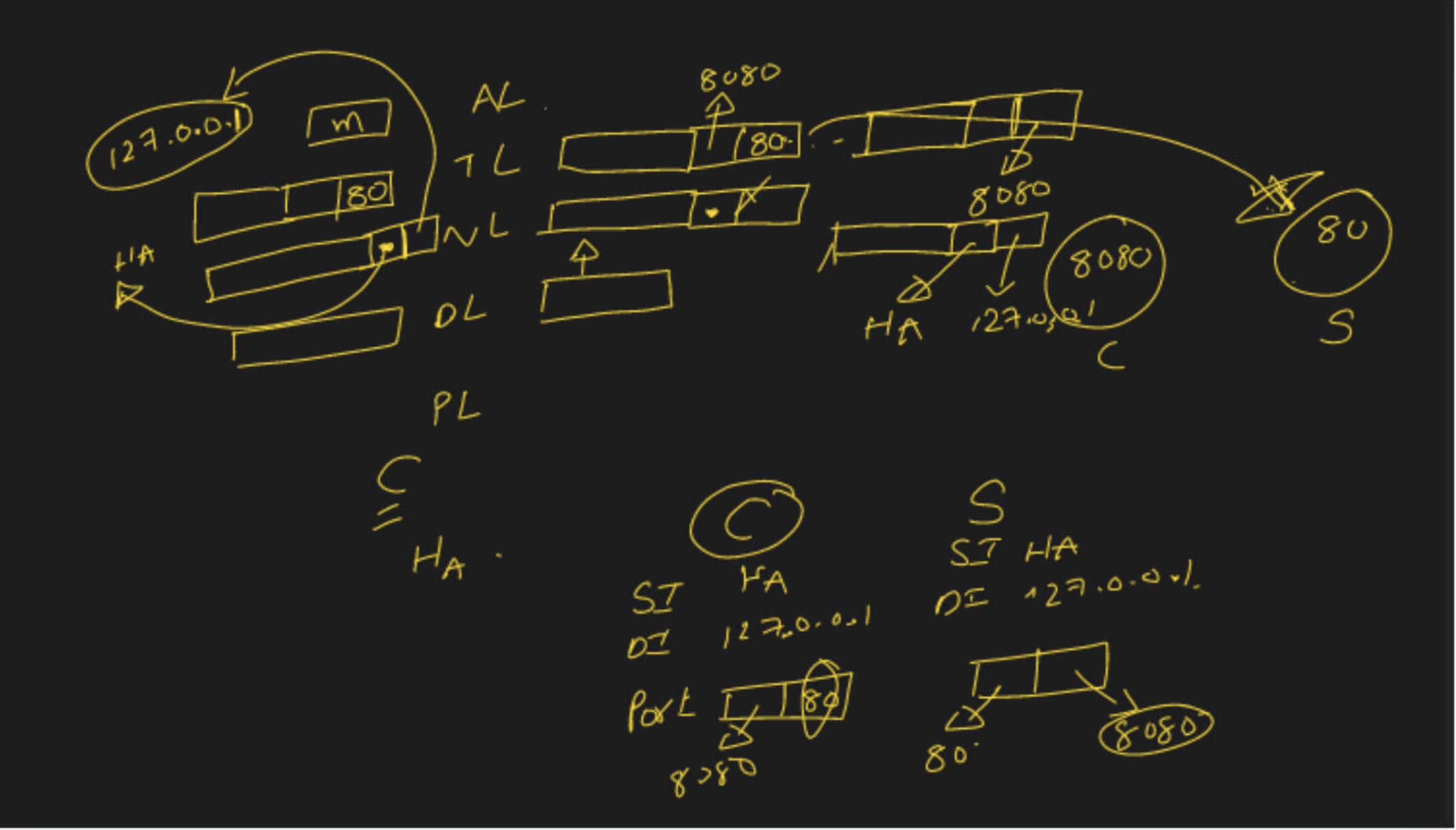


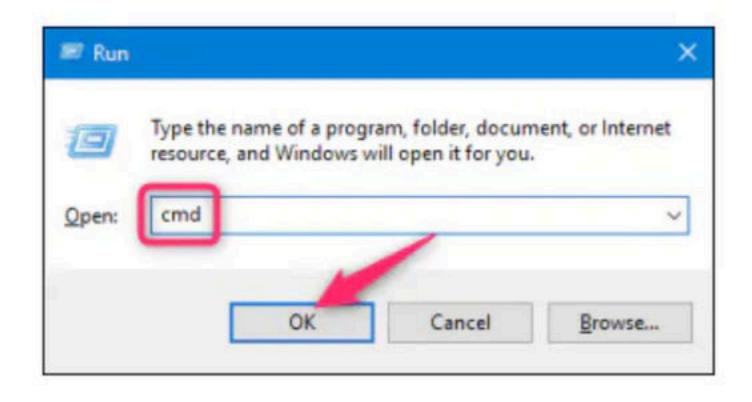




127.1.2.3

127.100.100.100

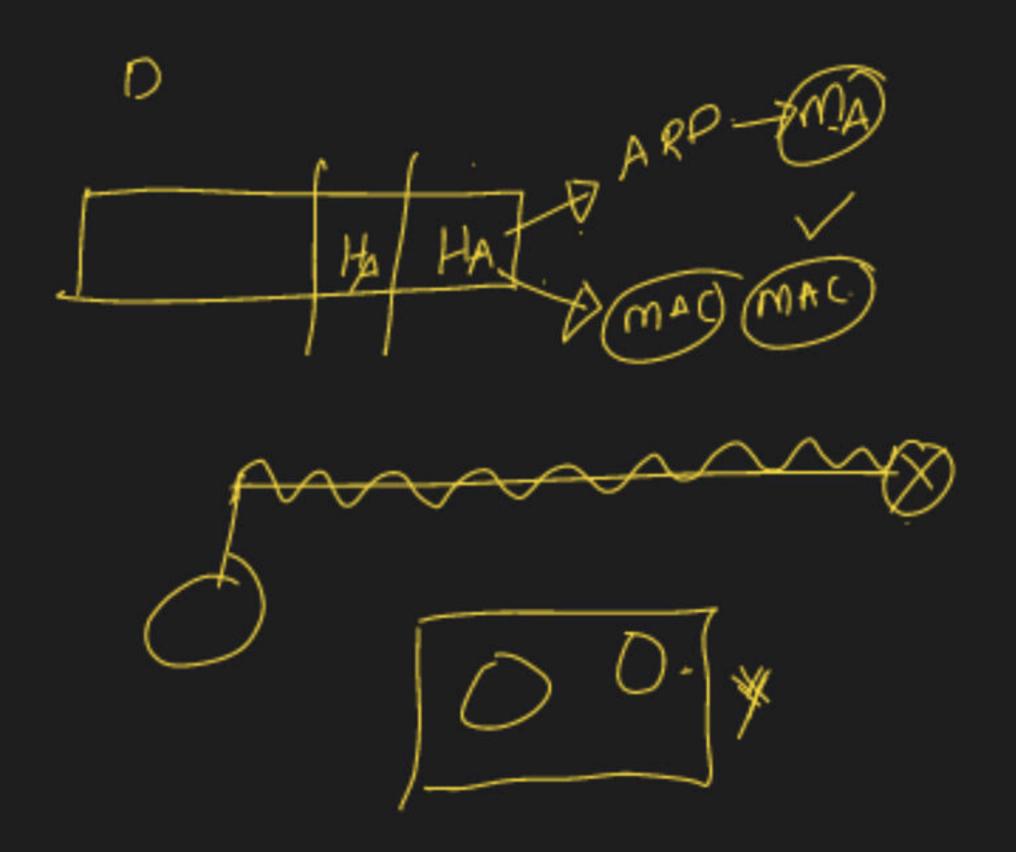




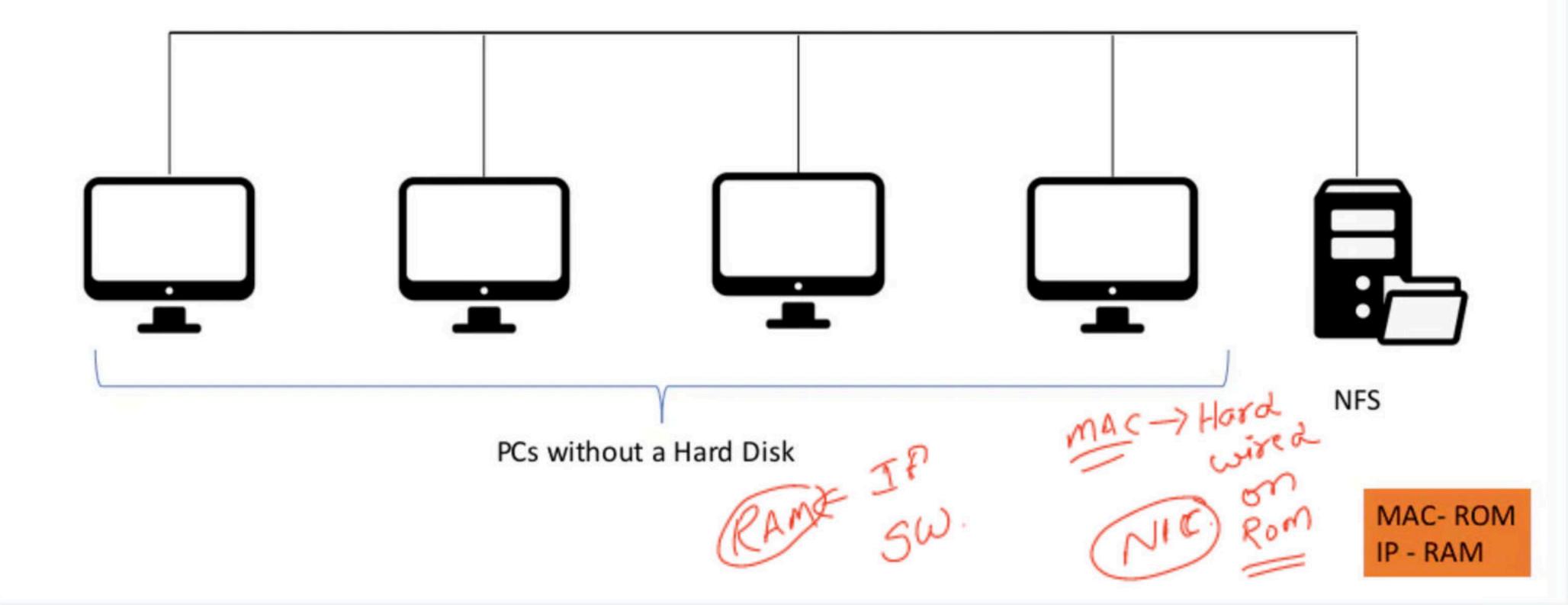


# Computer Networks

**RARP** 

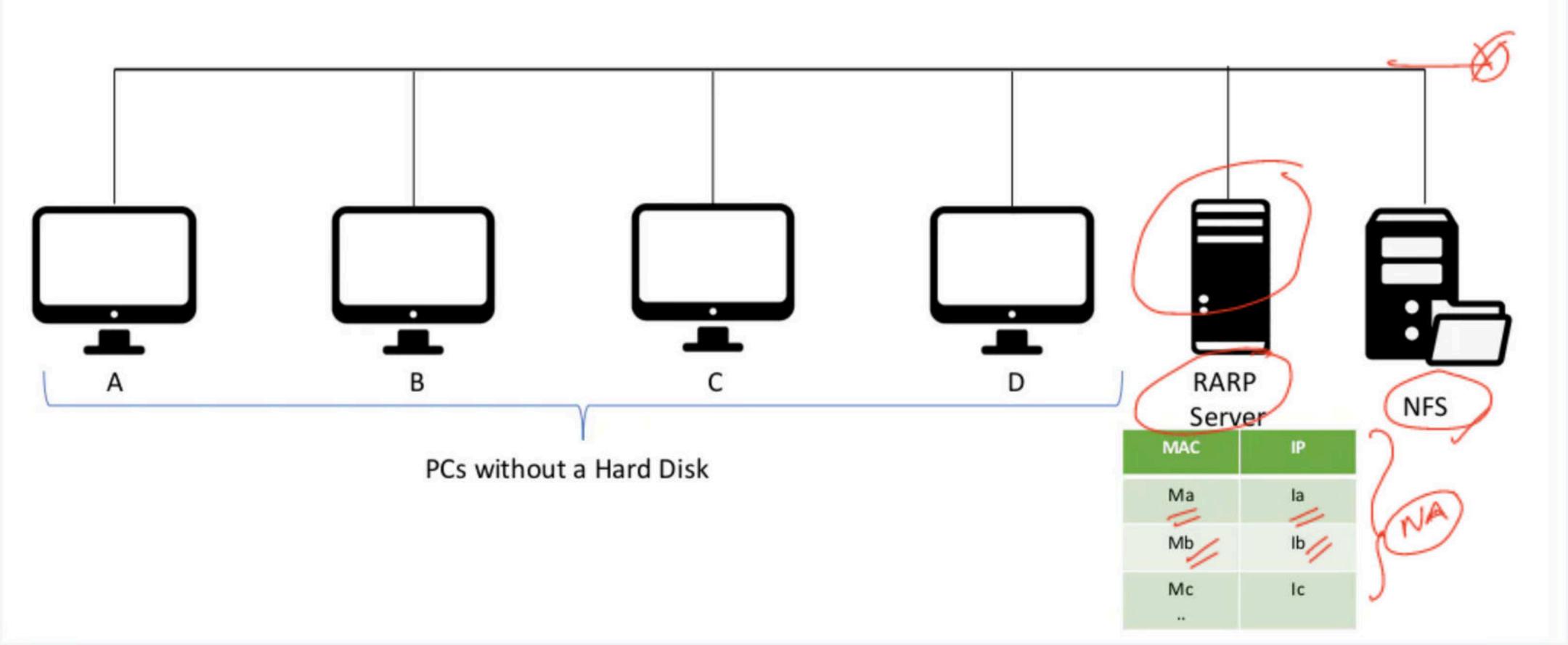


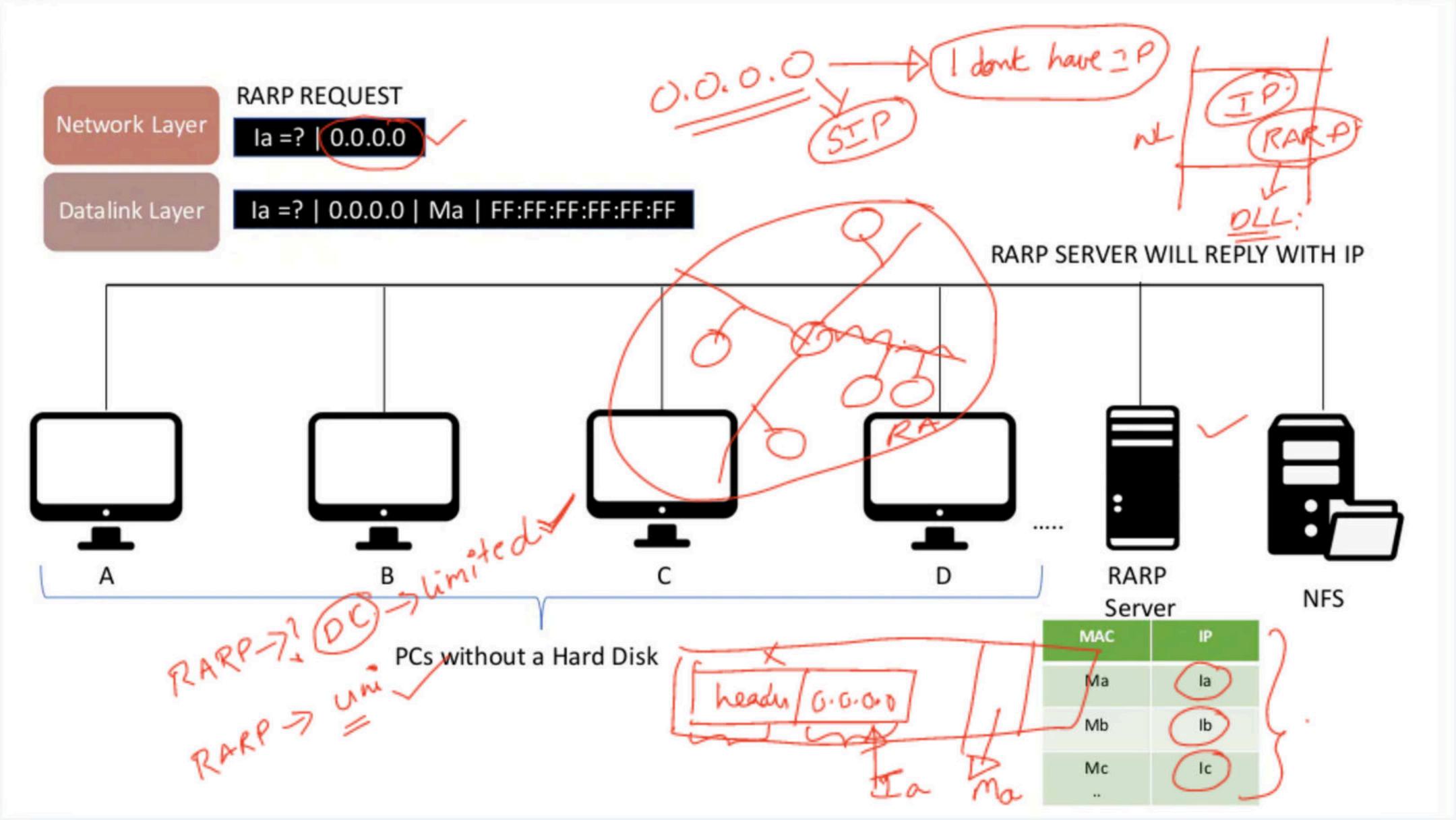




IPAY NL AR BARP

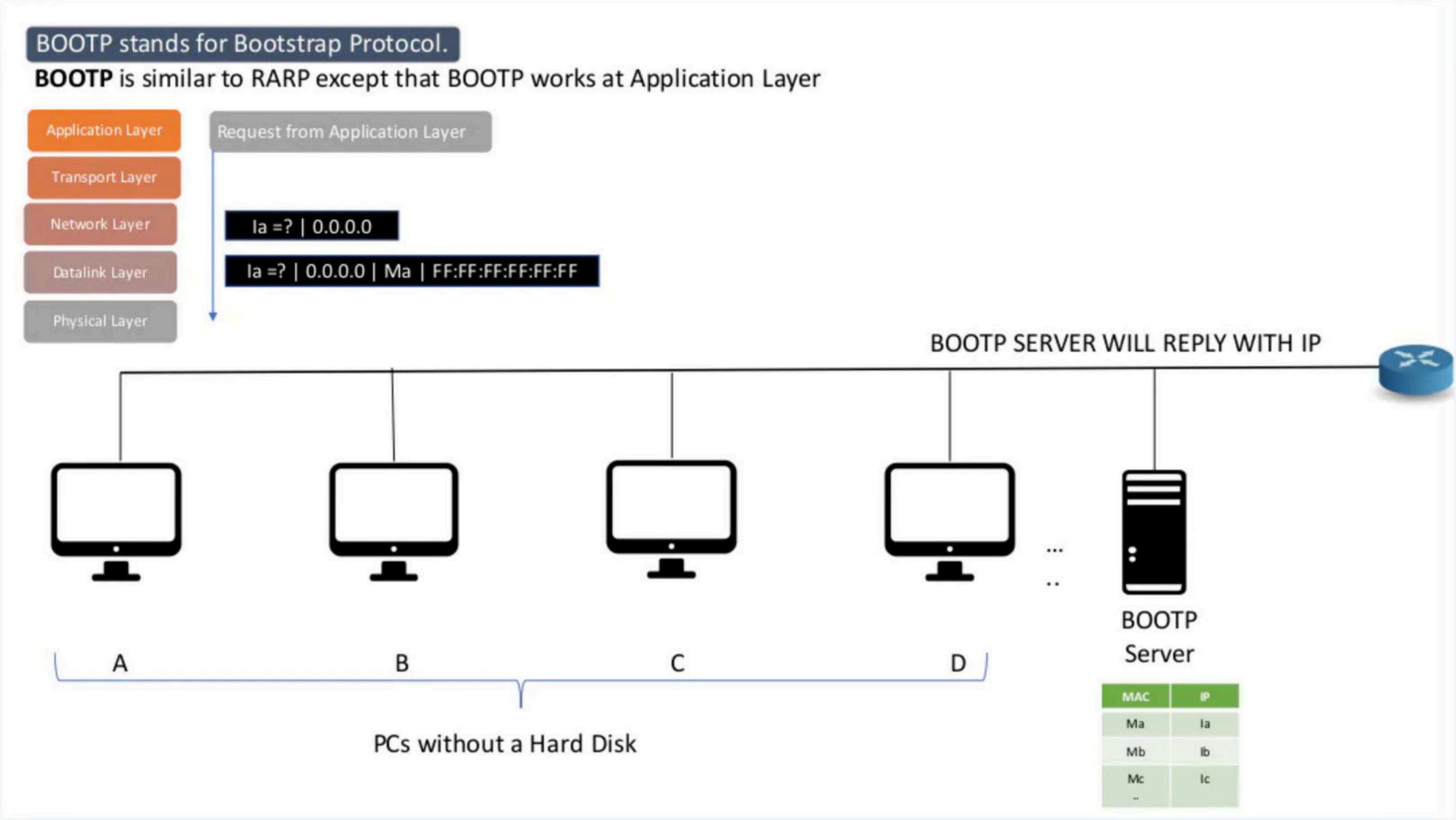


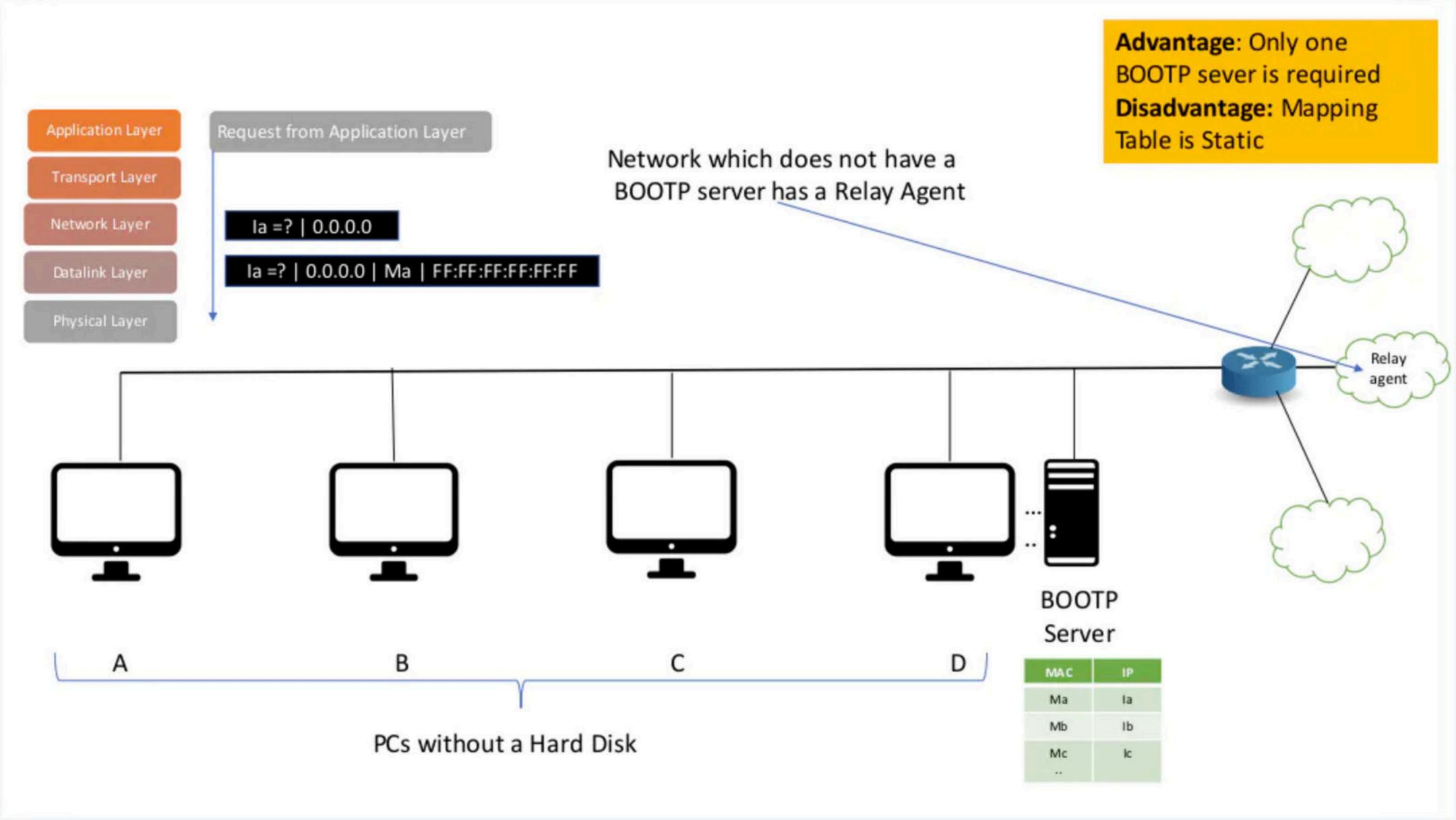




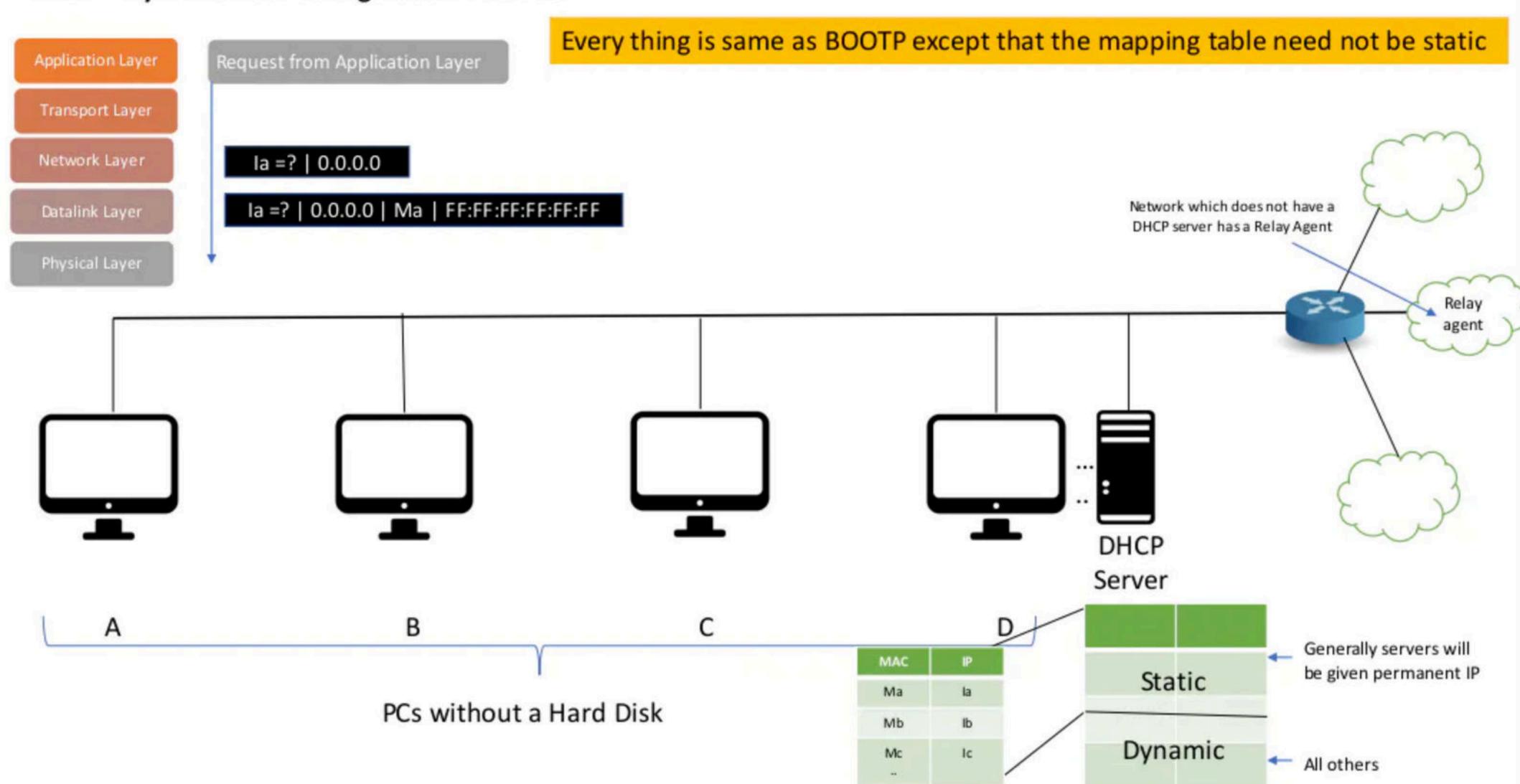
# Computer Networks

**BOOTP AND DHCP** 

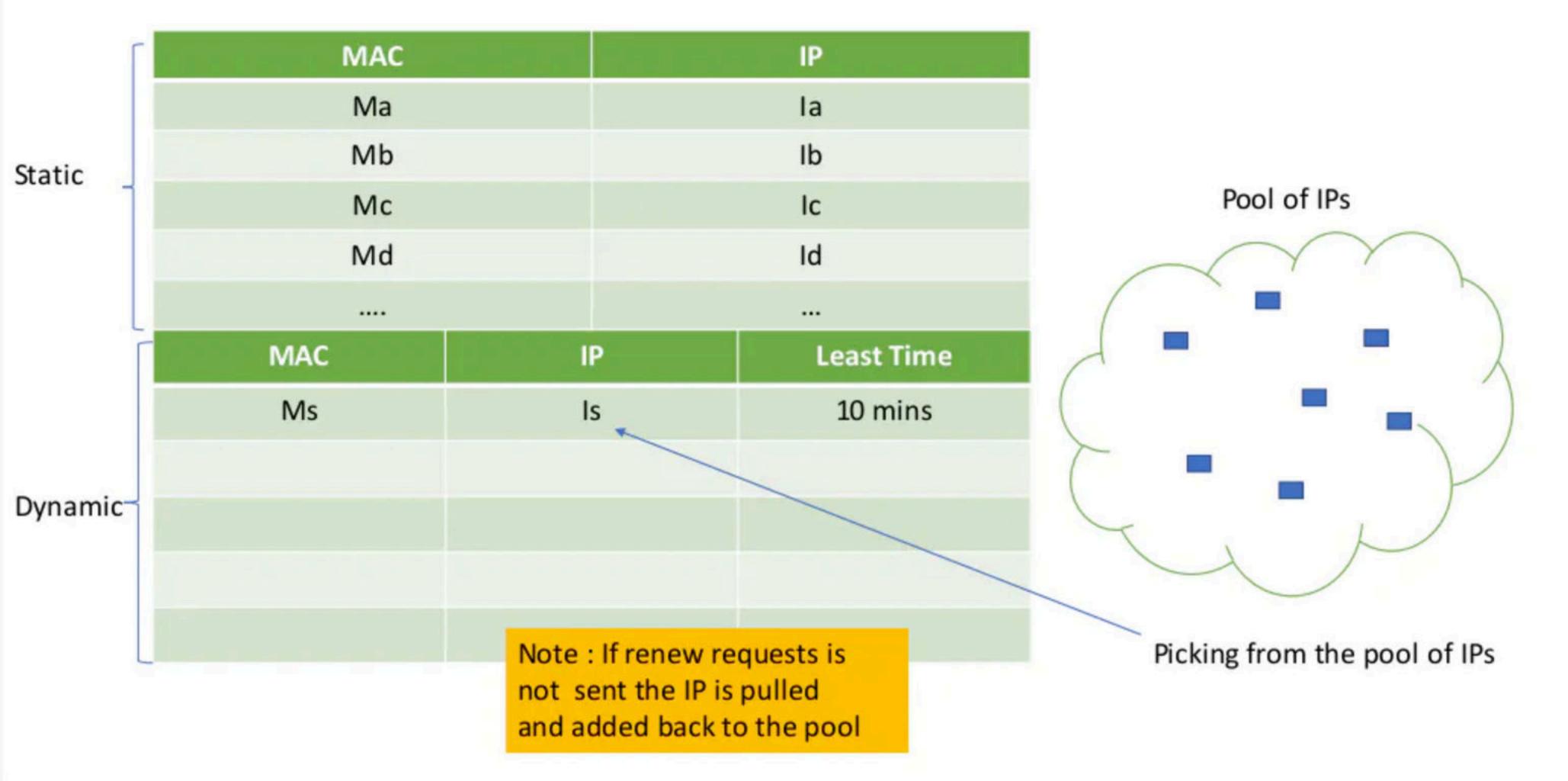




#### DHCP - Dynamic Host Configuration Protocol

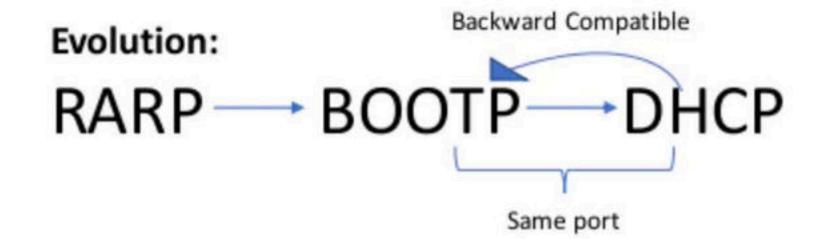


#### DHCP MAPPING TABLE



Advantage and points to remember:

- Only One DHCP server is enough.
- Dynamic Table



# Computer Networks

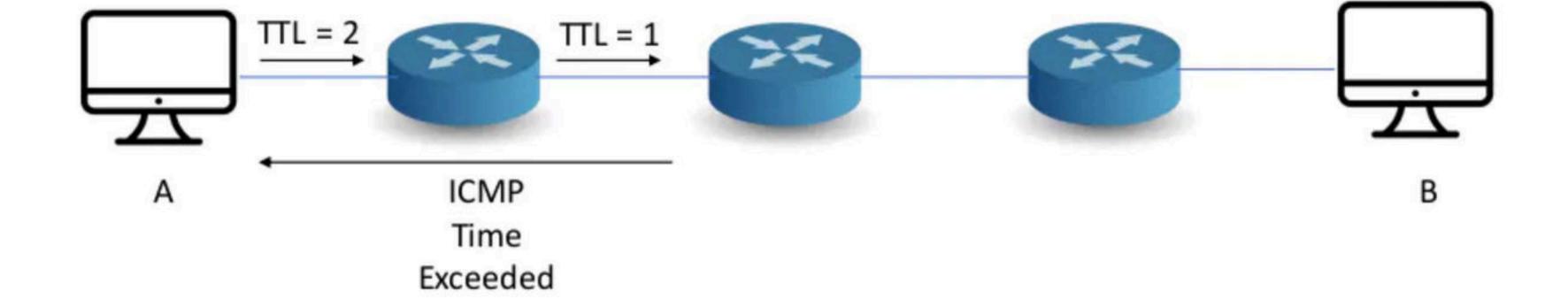
**ICMP** 

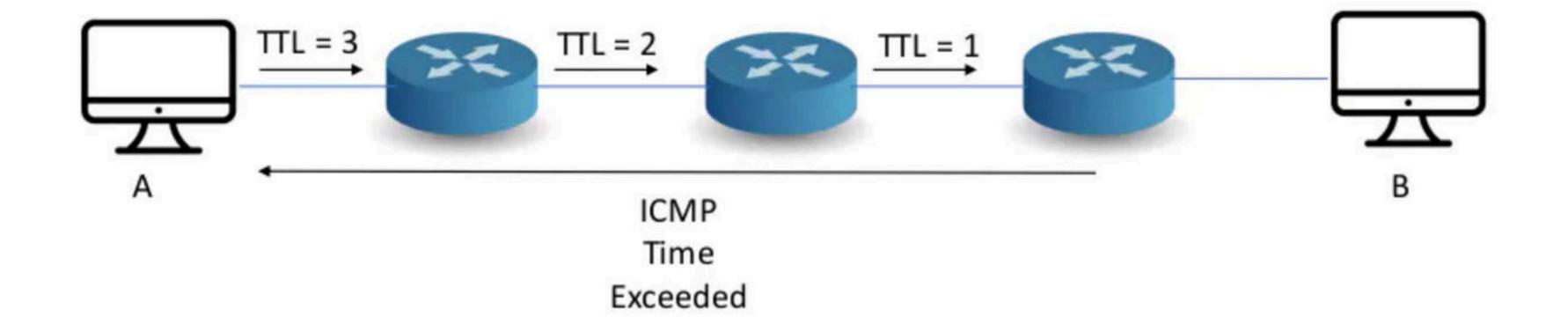
#### Internet Control Message Protocol (ICMP)

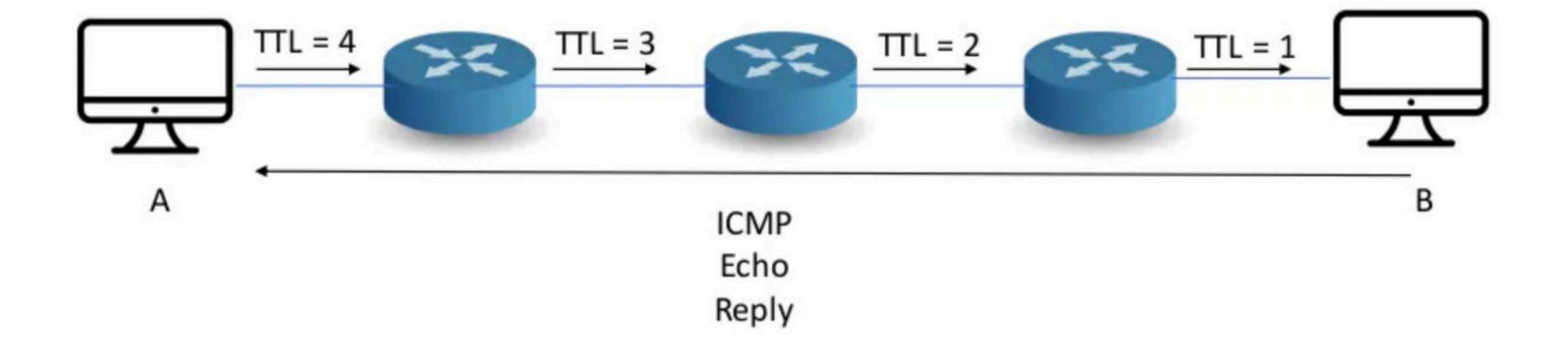
The Internet Control Message Protocol (ICMP) is a network layer protocol used TTL Exceed by network devices to diagnose network communication issues. Parameter Problem Error Handling Source Quench and Feedback Messaging Source Redirect Destination Unreachable ICMP Echo Request and Reply Time Stamp request and reply Network mask request and reply Router

Solicitation and Advertisement

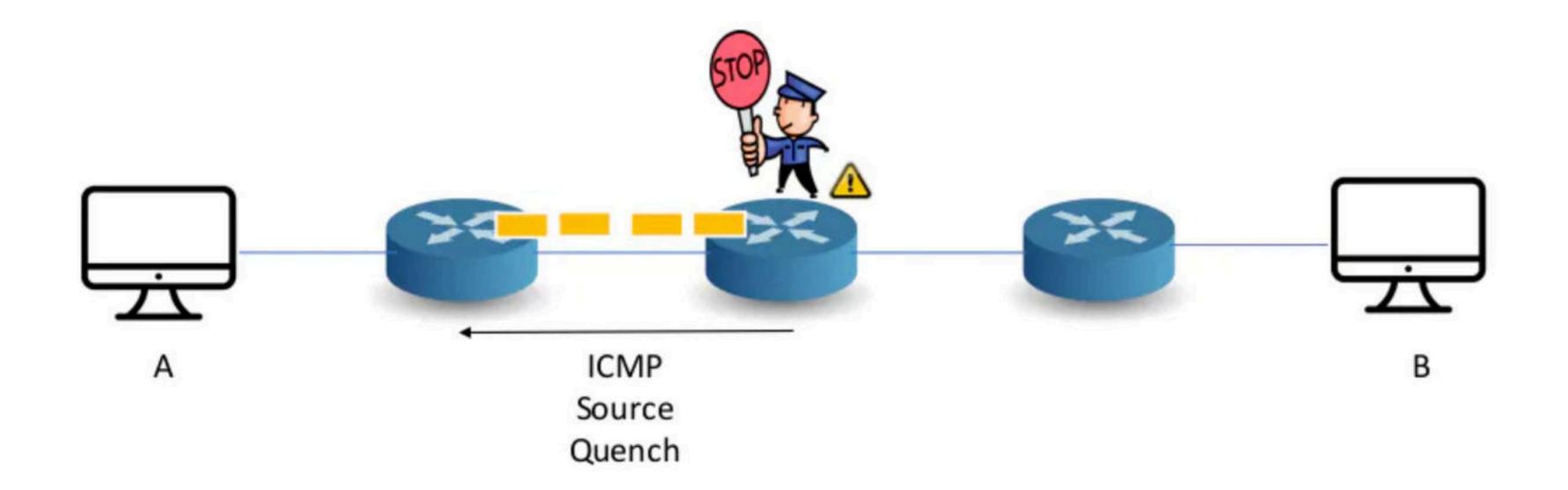


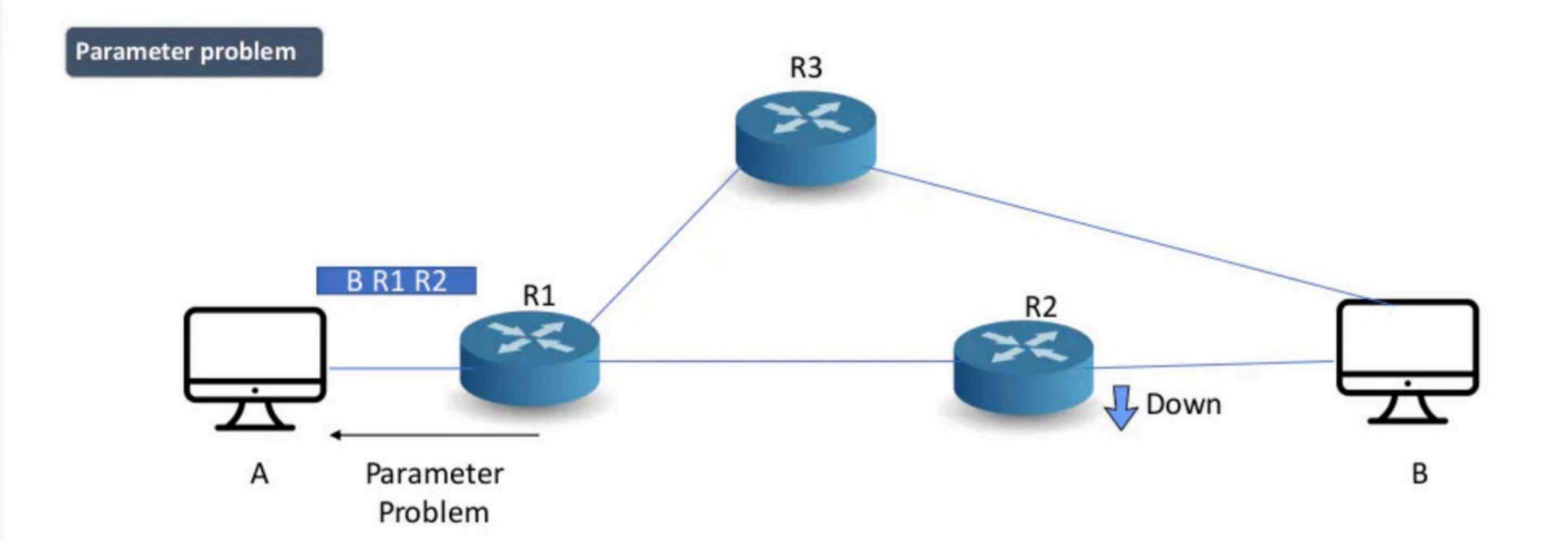




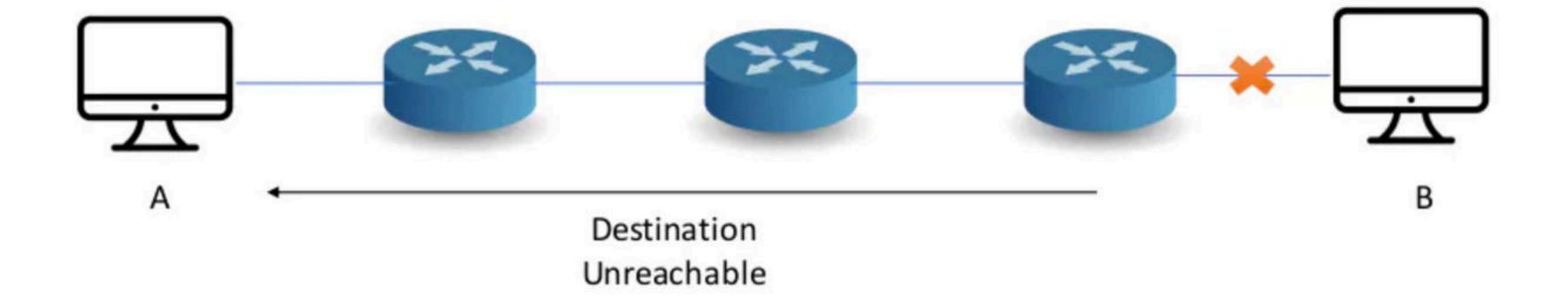


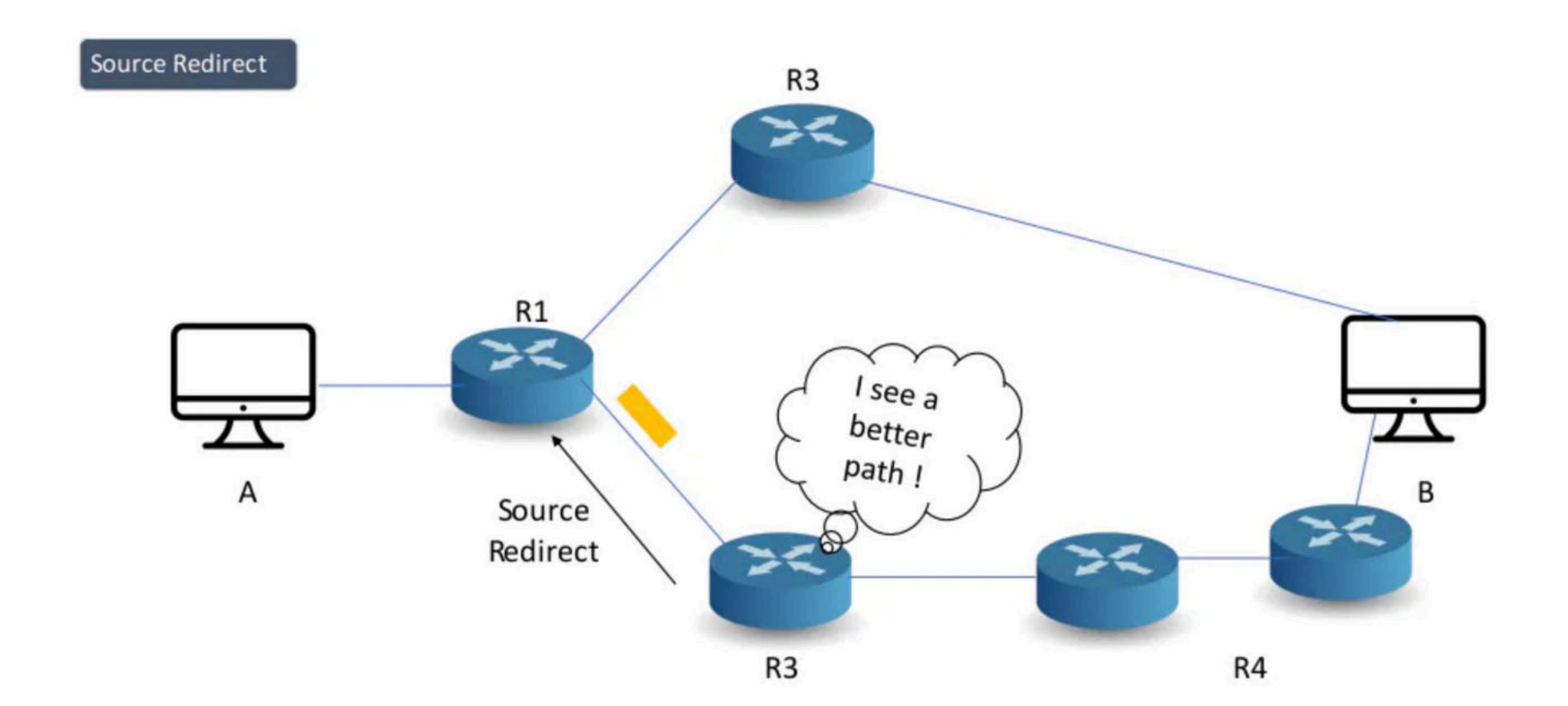
### Source quench





### Destination unreachable





These are things that sender should know:

Who discarded?

Why it got discarded?

What packet did you discard?

