


Mac-Address: Medium access Control

↳ Physical address

change nahi hota.

Rohan

FDDI

PPP address

IP

Phone, Pointel

Rohu

Echo

Mac-address

internet connect

① NIC: Network Interface Card

Mac Address.

Mac Addresses: 48 bits \hookrightarrow Hexadecimal form

{ [00:00:00:00:00:00] Mac-addresses
[FF:FF:FF:FF:FF:FF] }

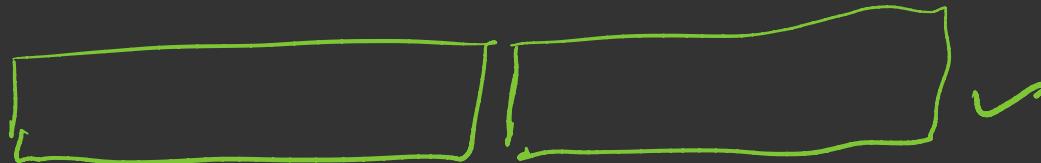
$$4+4$$

6 bits

$$6 \times 8 = \underline{\underline{48}}$$

$\therefore F = \boxed{1111}$

1



→ Oracle ↴

34° 28' 66"

224

24 bits

Organisation

1

Digitized by Google

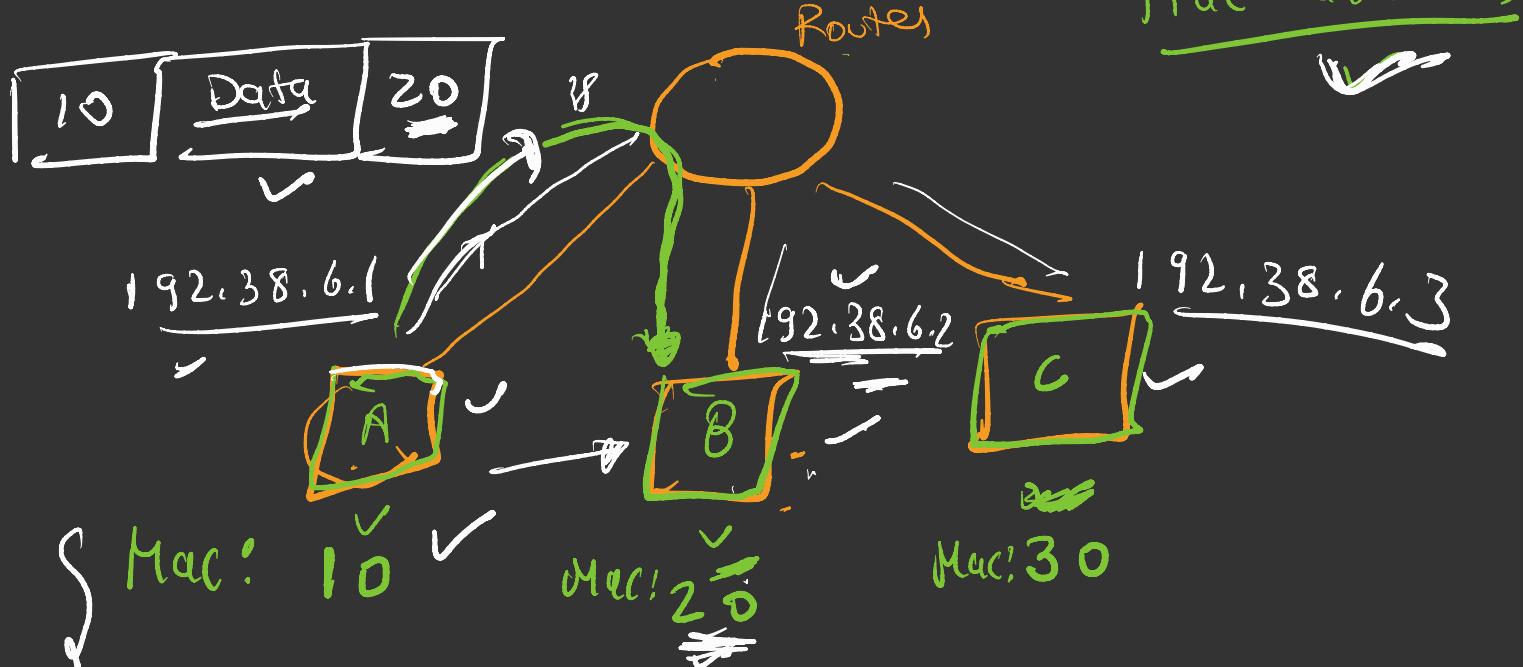
2²⁴-Organisat

2²⁴ Mac-Addrs

R0:2C:33: Google ↗
✓

AO:2C:33! ————— 29

① DLL : Data Link Layer.

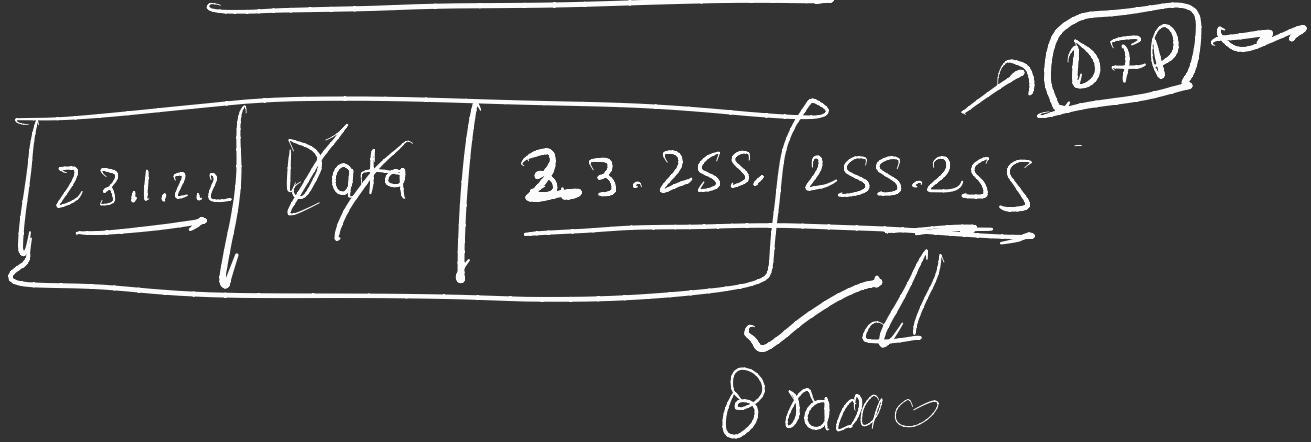


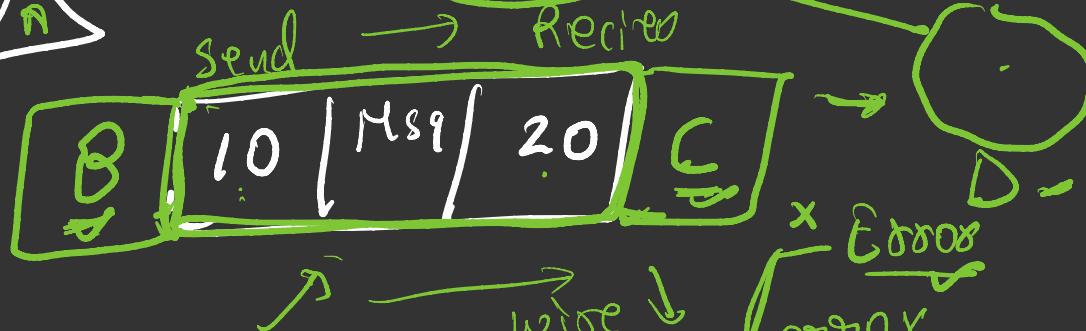
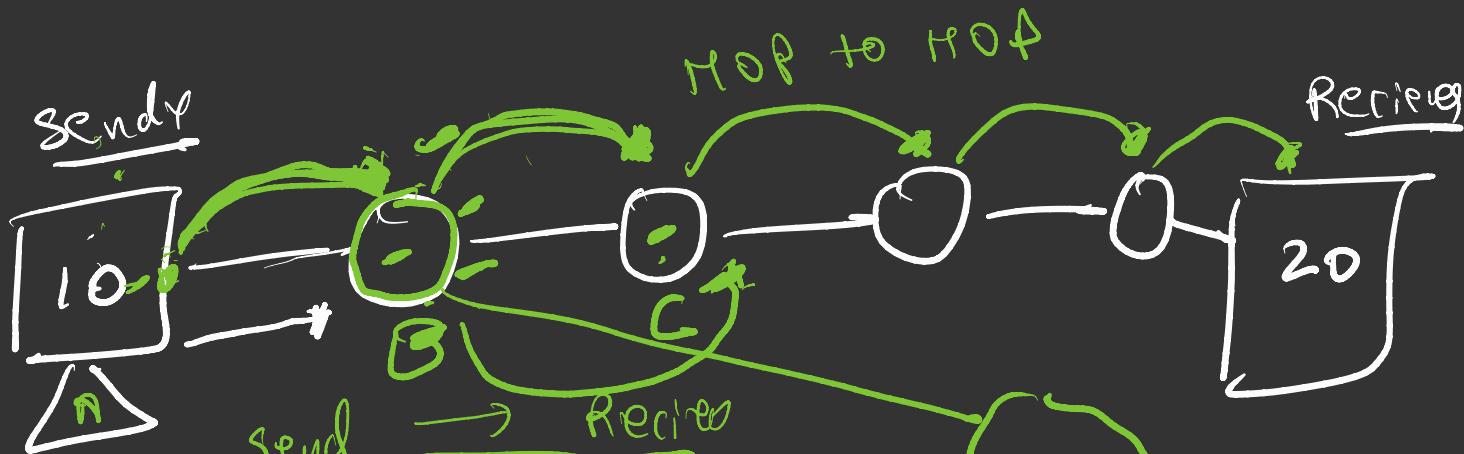
ARP: Address resolution Protocol

IP → Mac - address

23.0.0.0 } Network address

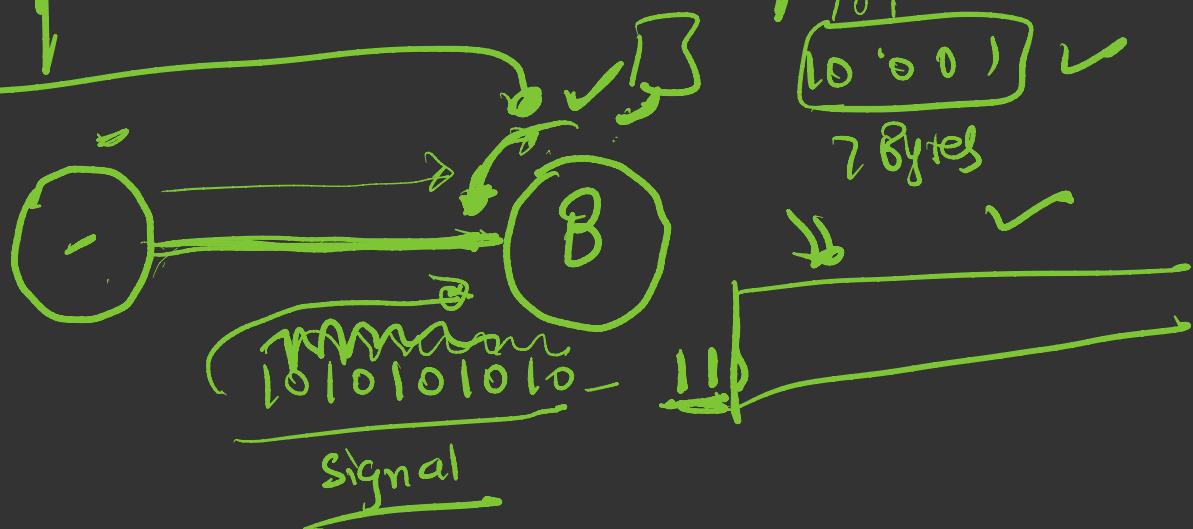
23, 255, 255, 255 } Broadcast

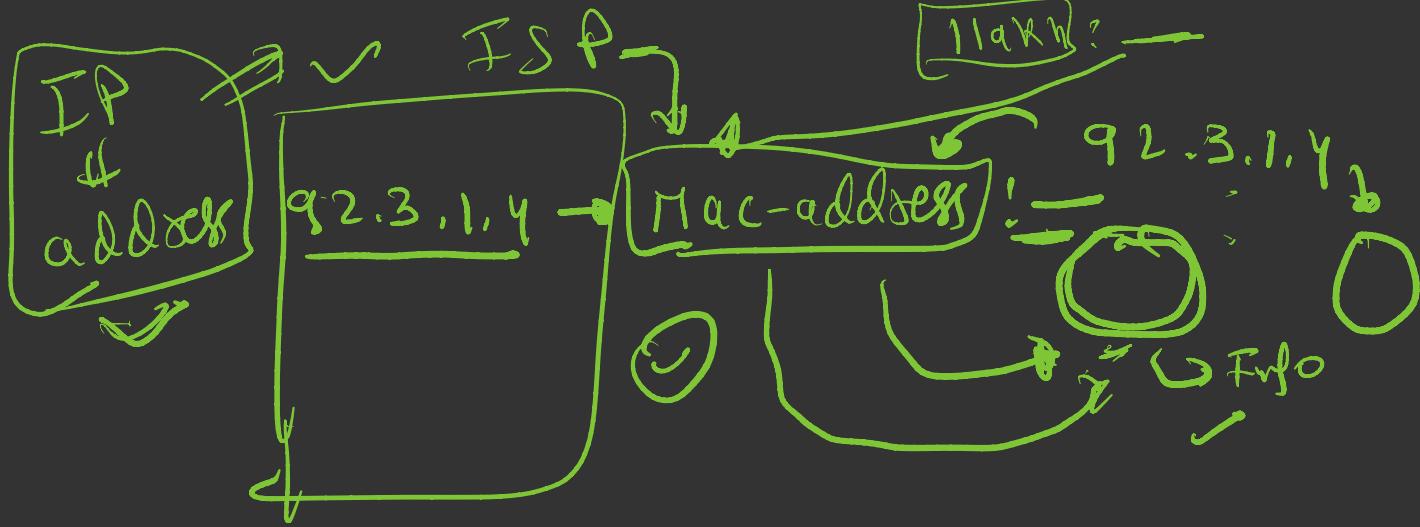


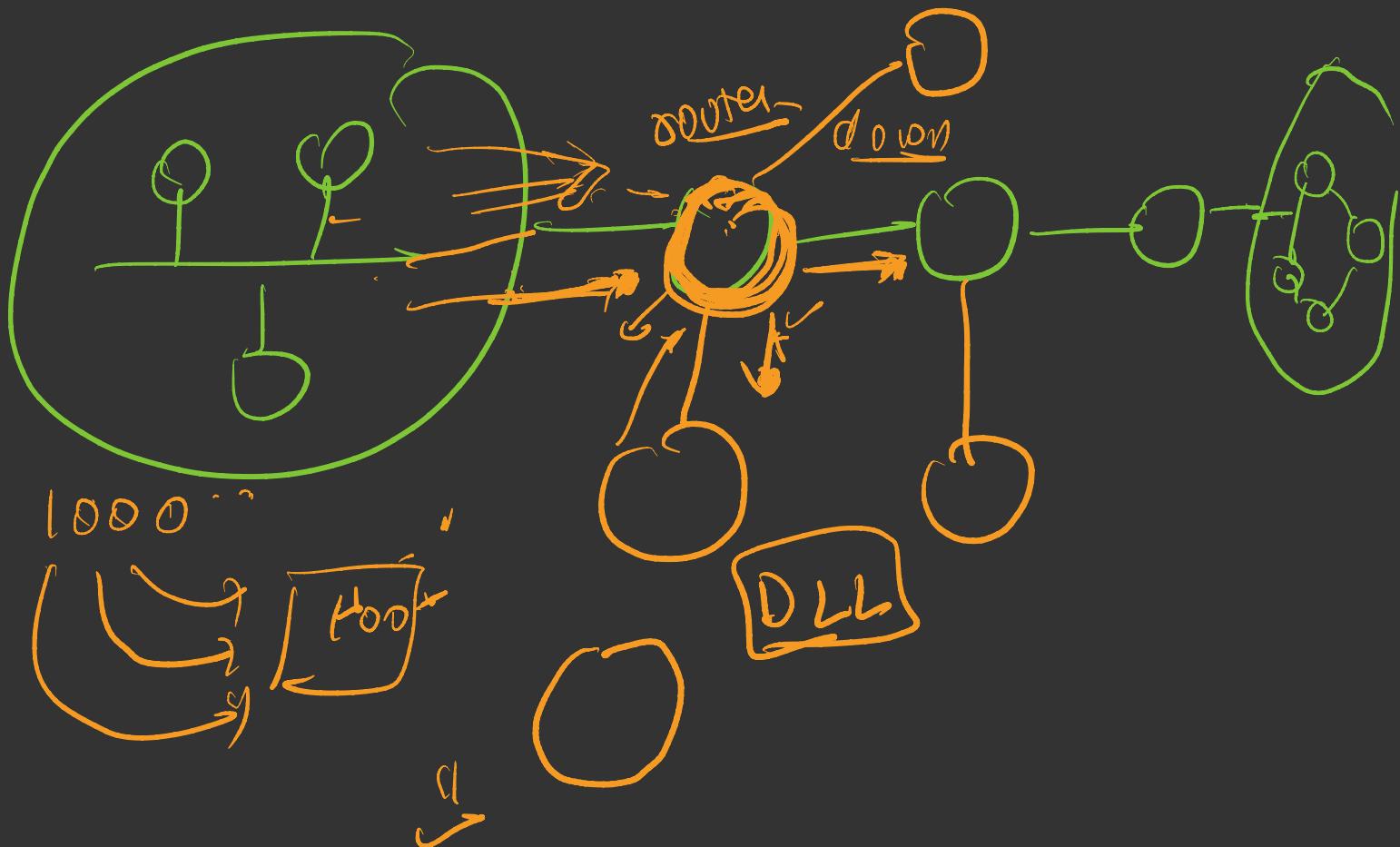


Dig 0 bits! → 0 → 1

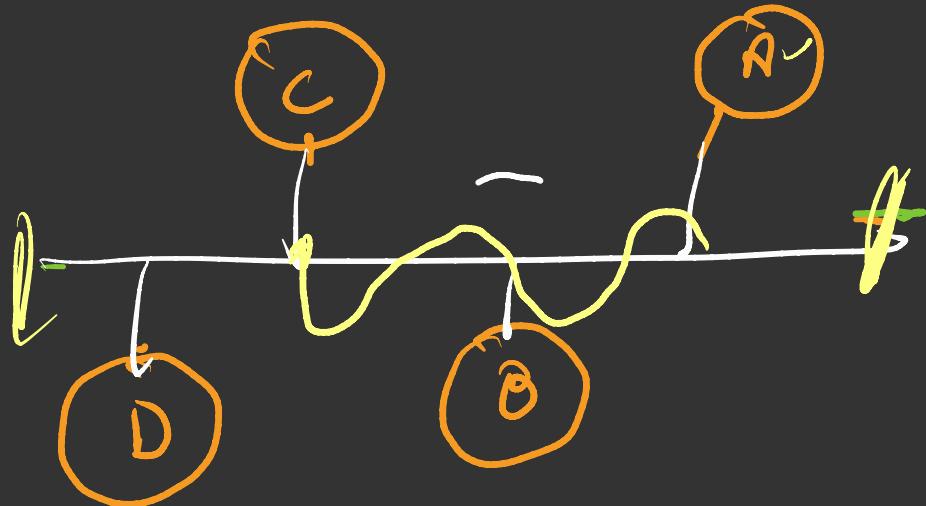
wide Error
Msg Error
Detect ✓







Access Control



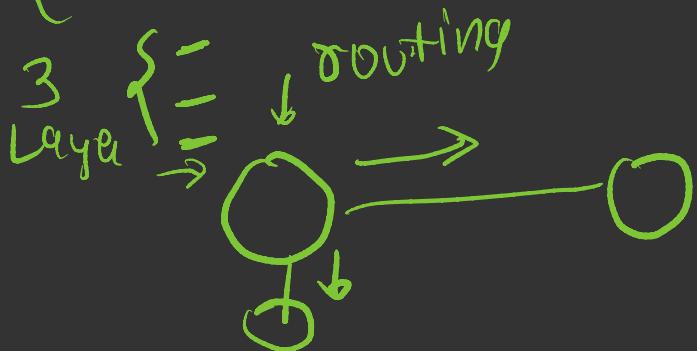
Data corrupt
DLL access

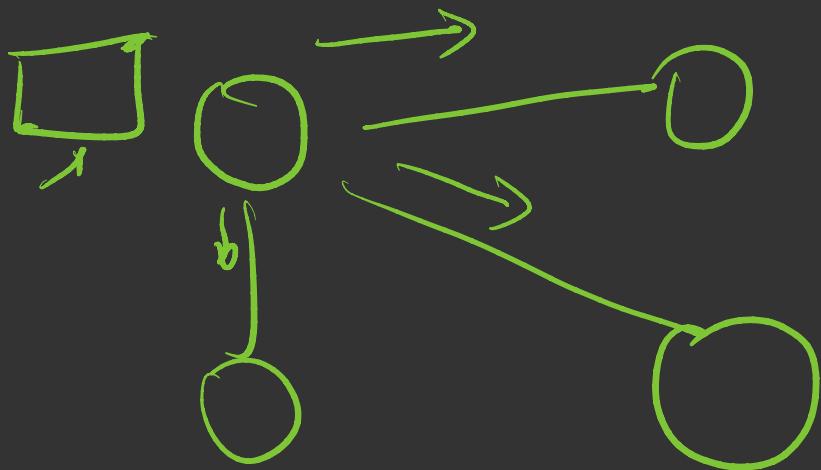
① 3 → Network Layer ✓

↳ Logical address ✓

② Routing

↳ IP address





③ Fragmentation & Reassembly (PDU)

DLL: frame-

NL: Packet

