

7821081179

---

---

---

---

---

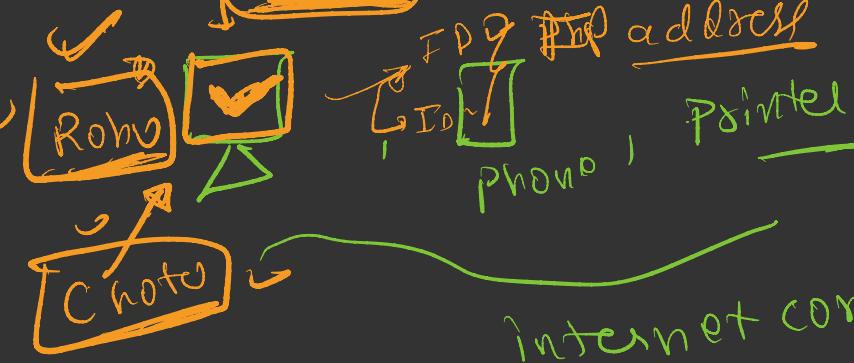


## Mac-Address: Medium access Control

↳ Physical address

→ change nahi hota.

Rohan



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

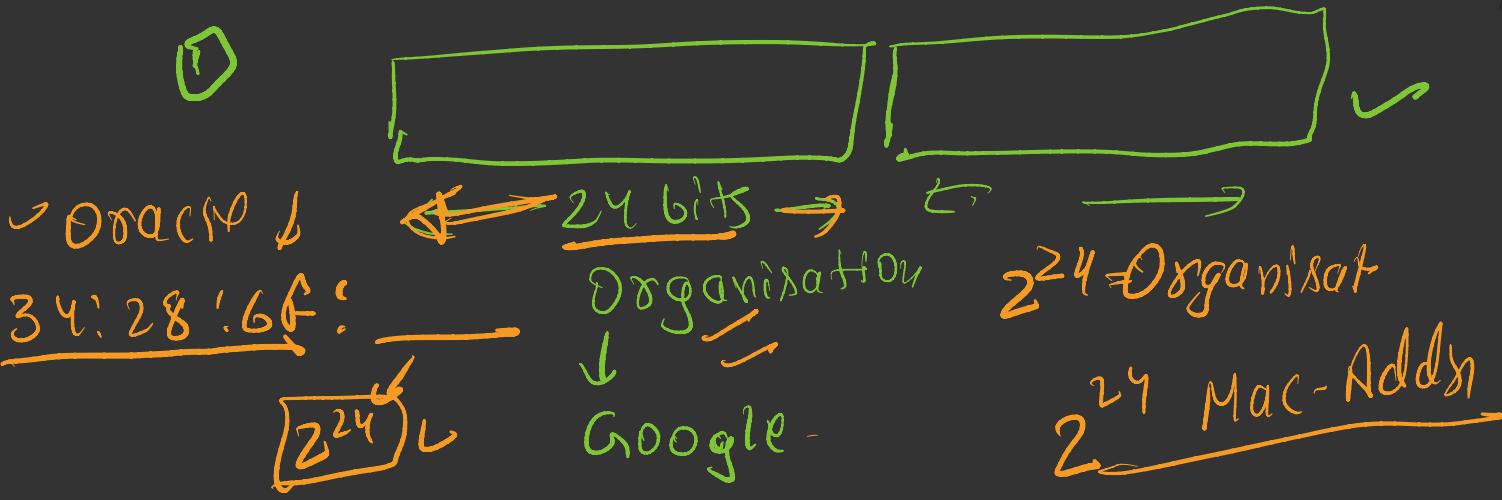
1  
↓  
4+4

6 bits

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

$\therefore F = \boxed{1111}$

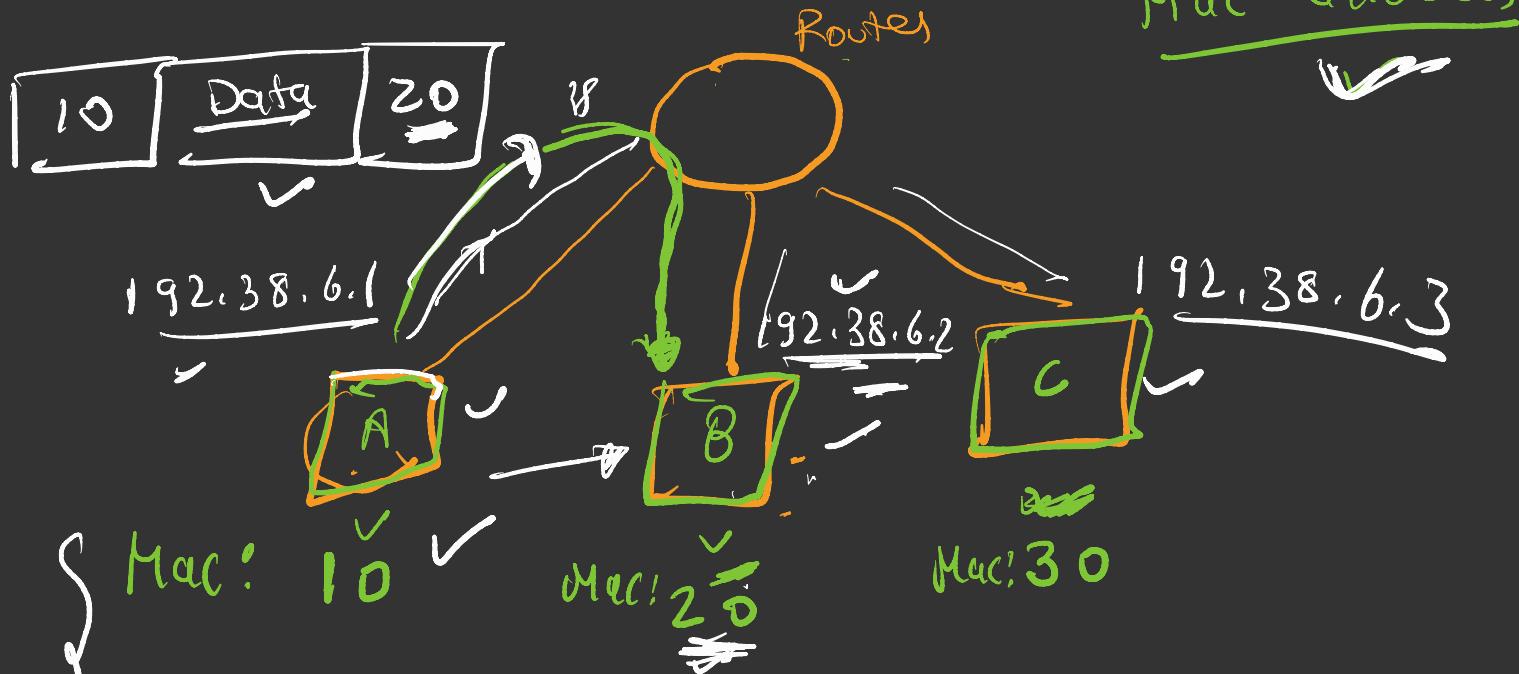
①



A0:2C:33 : Google ↗

A0:2C:33! ——————  
2<sup>24</sup>

# ① DLL : Data Link Layer.

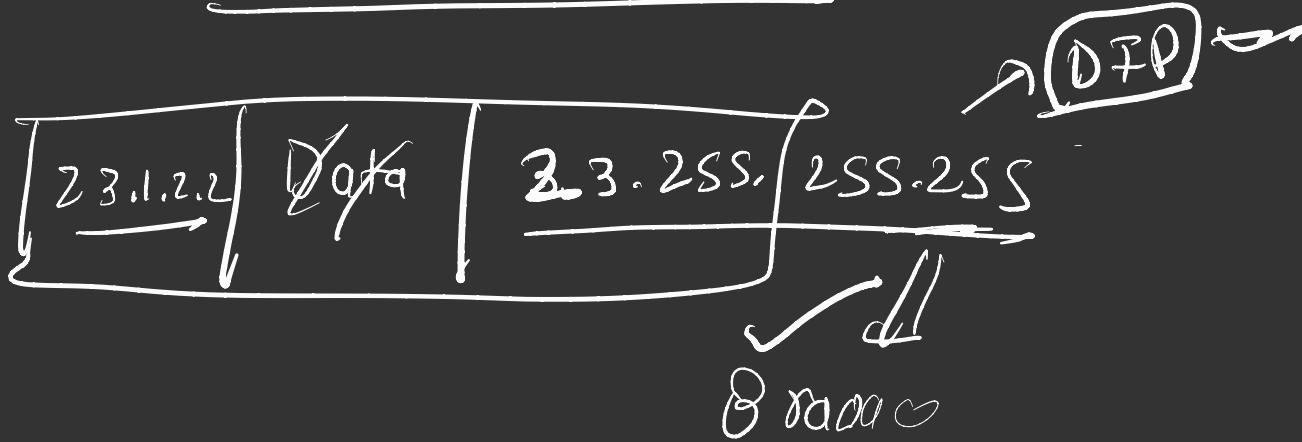


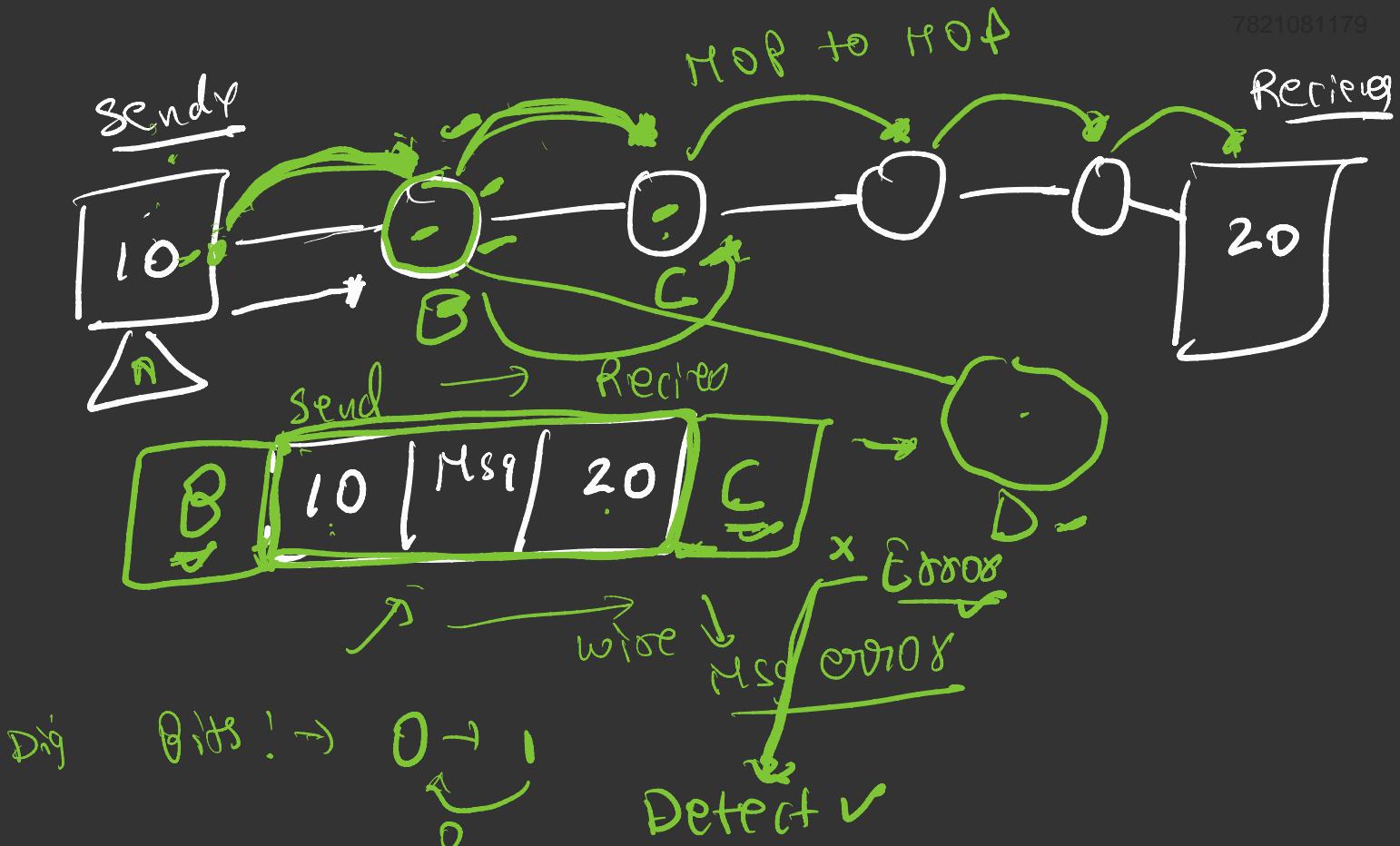
ARP: Address resolution Protocol

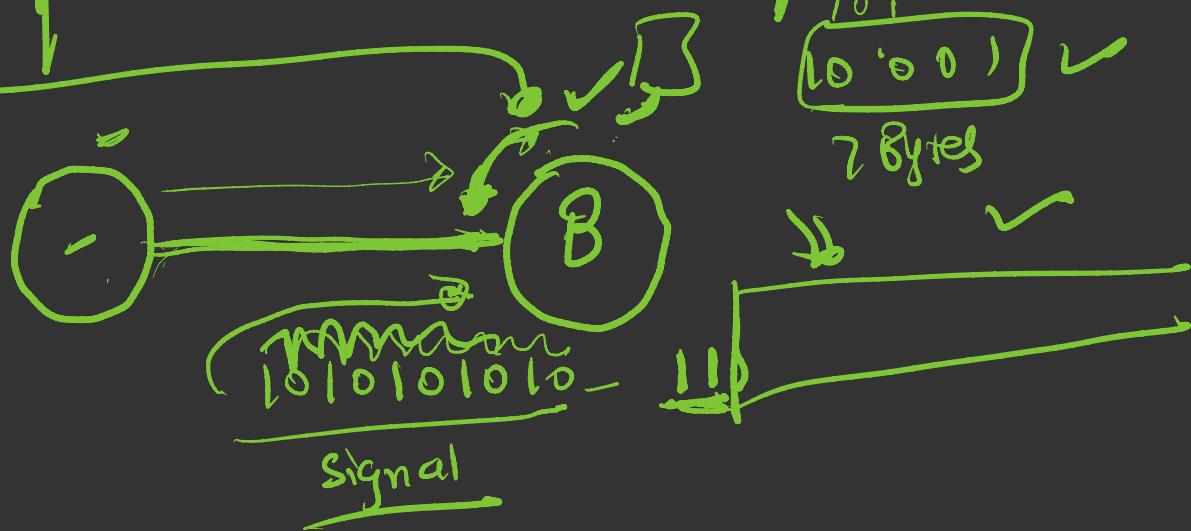
IP → Mac - address

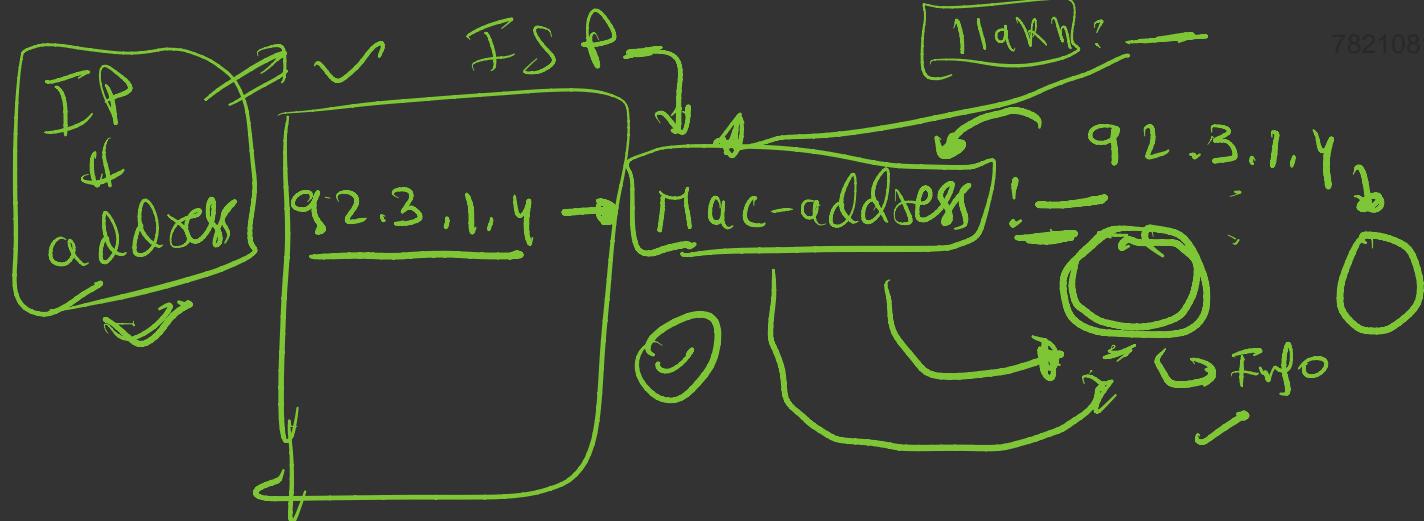
23.0.0.0 } Network address

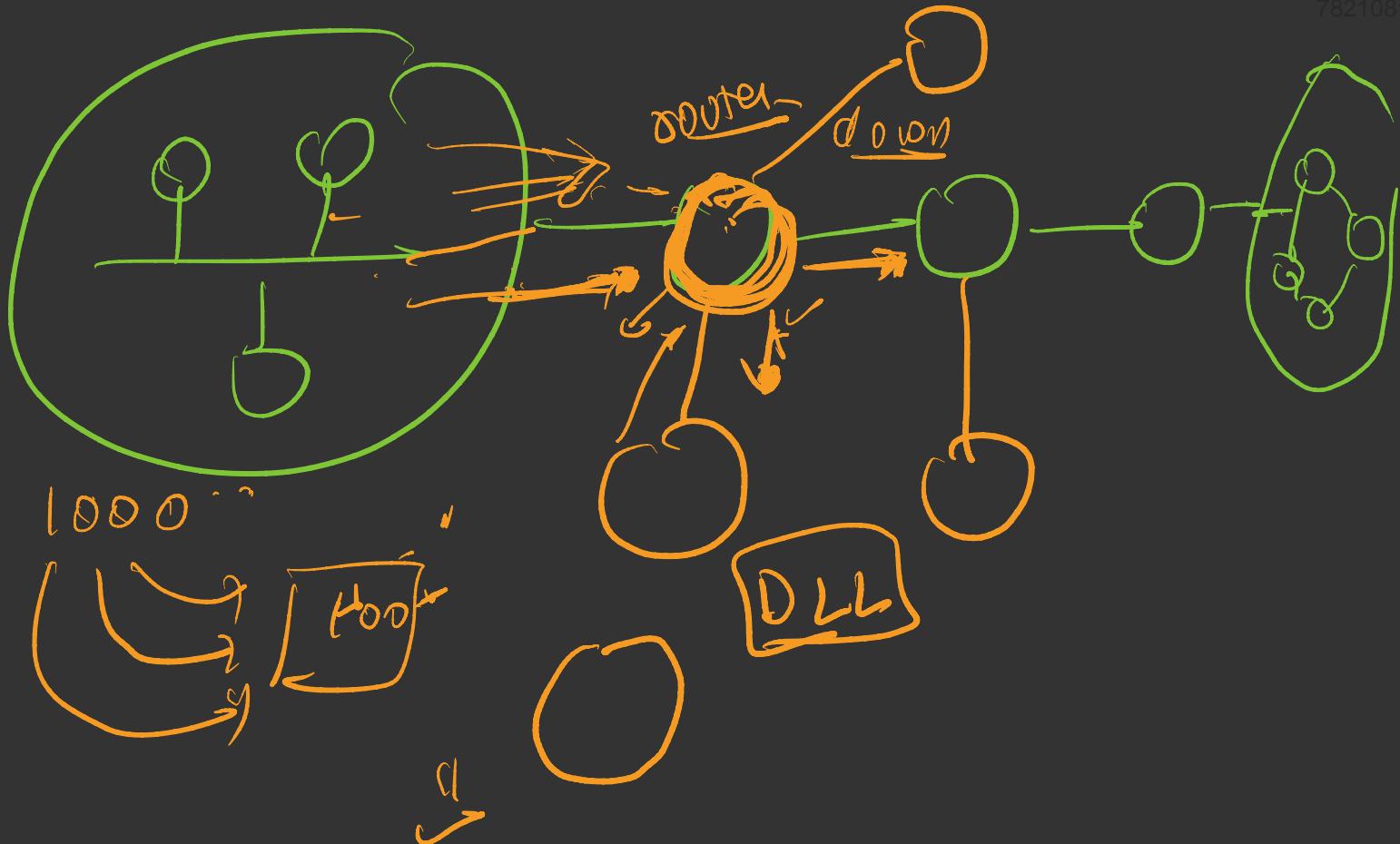
23, 255, 255, 255} } Broadcast



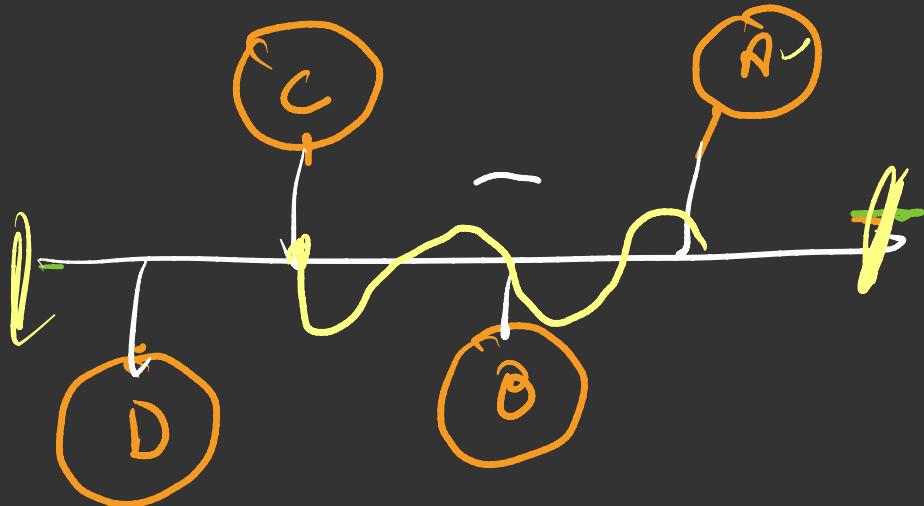








# Access Control



Data corrupt  
DLL Access

①

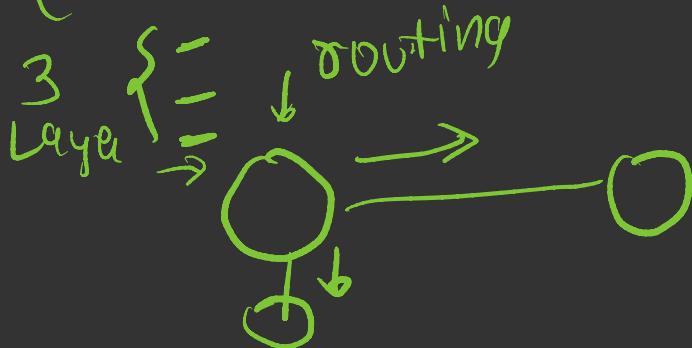
3 → Network Layer ✓

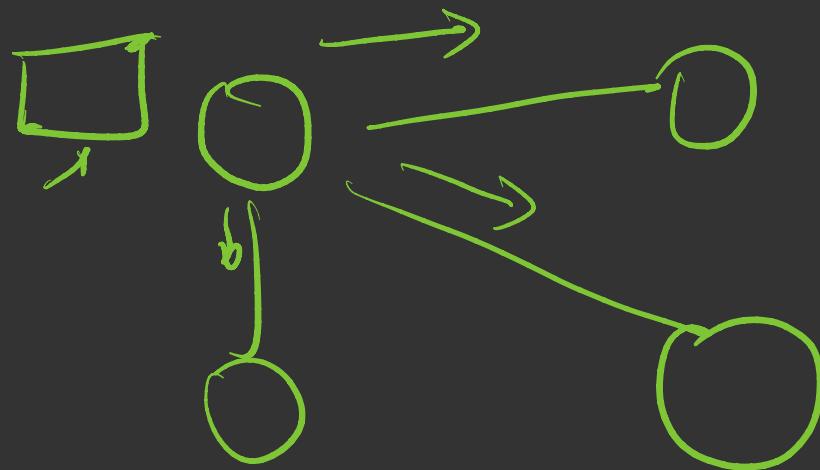
↳ Logical address ✓

② Routing

↳ IP address

⇒ Packet





### ③ Fragmentation & Reassembly

DLL: frame-

NL: Packet

