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# RTMENT OF INFORMATION TECHNOLOGY

## 19CSB302 – COMPUTER NETWORKS

III YEAR V SEM

## UNIT 3 – TRANSPORT LAYER

## TOPIC 16 –Transport Layer Services

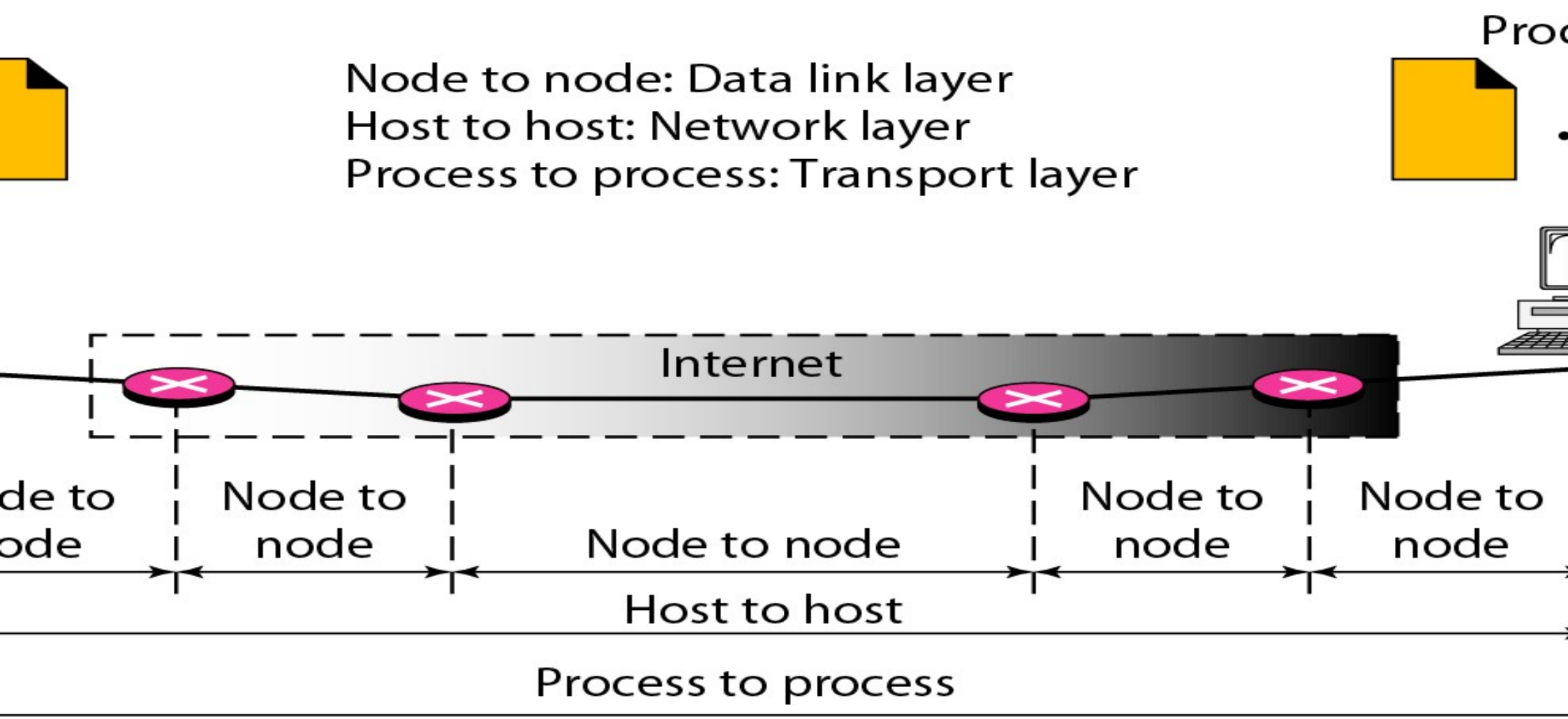
# PROCESS TO PROCESS DELIVE

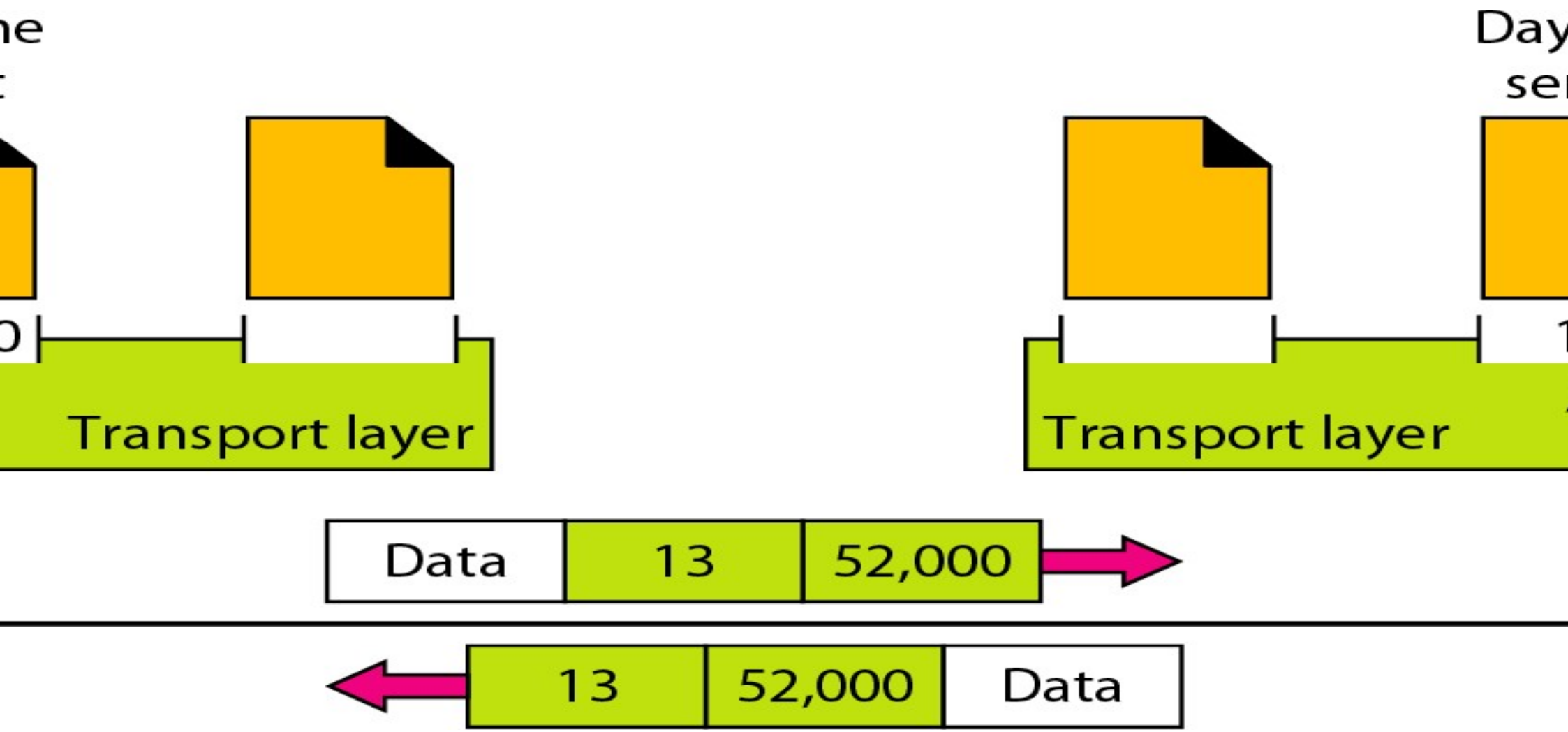
***ort layer is responsible for process-to-***
***he delivery of a packet, part of a messa***
***s to another. Two processes communic***
***r relationship, as we will see later.***

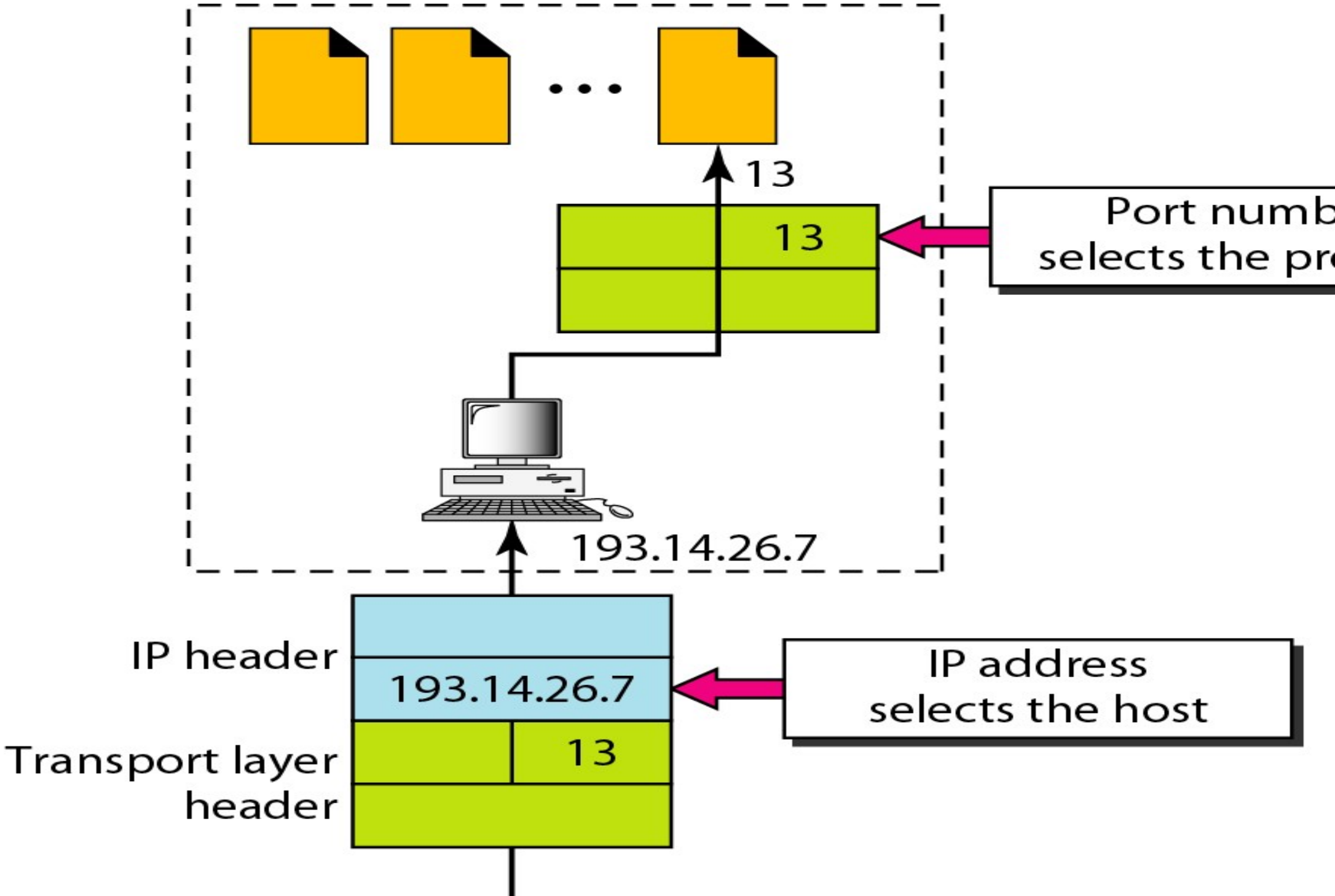
***ussed in this section:***

**r Paradigm Multiplexing and**
**ng**
**ess Versus Connection-Oriented Service**

ransport layer is responsible for
rocess-to-process delivery.

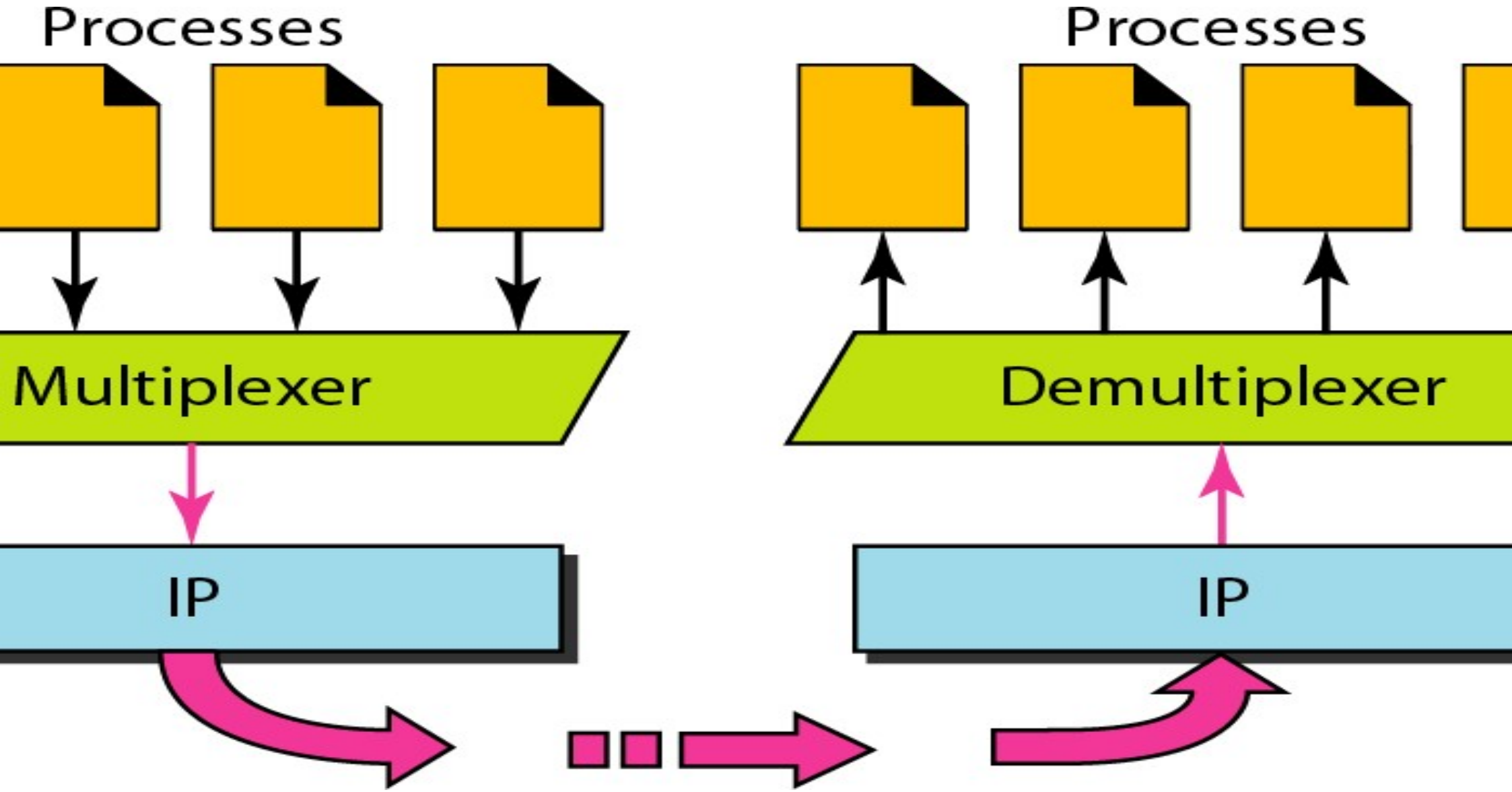

Node to node: Data link layer
Host to host: Network layer
Process to process: Transport layer
Internet
Node to node
Node to node
Node to node
Host to host
Process to process

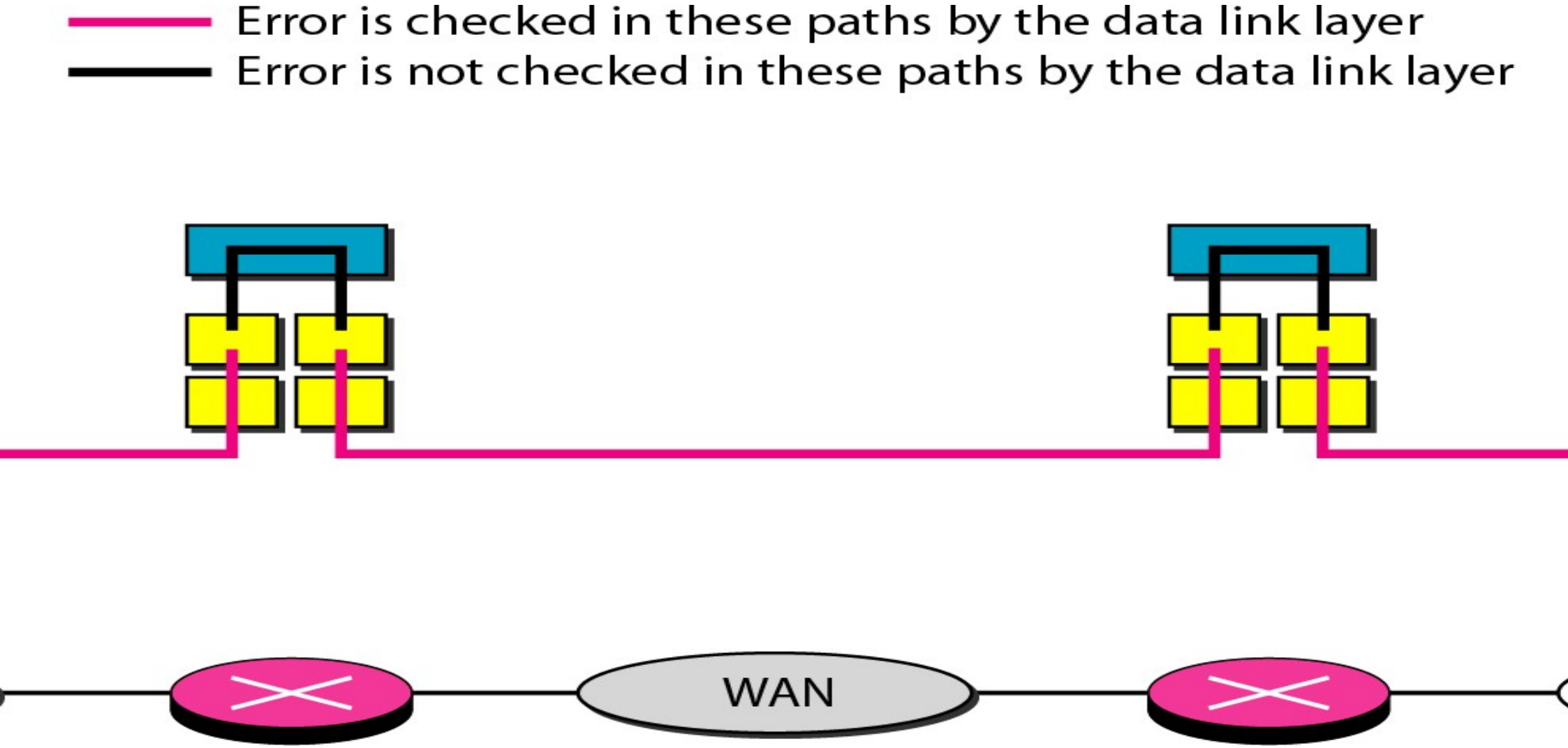

Transport layer
Transport layer
Data
13
52,000
13
52,000
Data

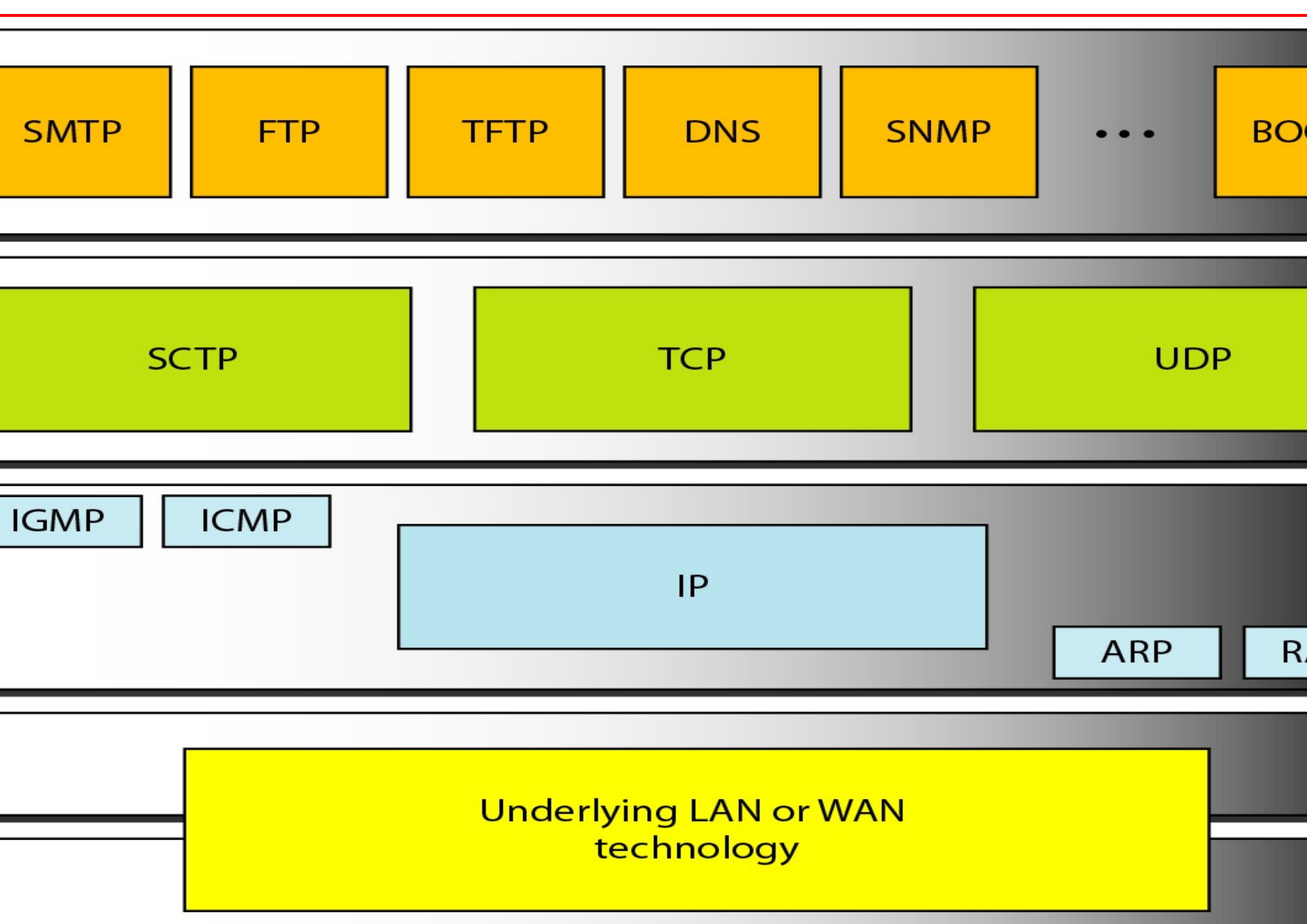

13
13
Port numb
selects the pr
193.14.26.7
IP header
193.14.26.7
IP address
selects the host
Transport layer
header
13

Registered
023
1024
49,152
49,151
Dynamic

ddress
200.23.56.8
69
Port nu
ddress
200.23.56.8
69


Processes
Processes
Multiplexer
Demultiplexer
IP
IP


Error is checked in these paths by the data link layer
Error is not checked in these paths by the data link layer
WAN


SMTP
FTP
TFTP
DNS
SNMP
• • •
SCTP
TCP
UDP
IGMP
ICMP
IP
ARP
Underlying LAN or WAN technology

Thank You