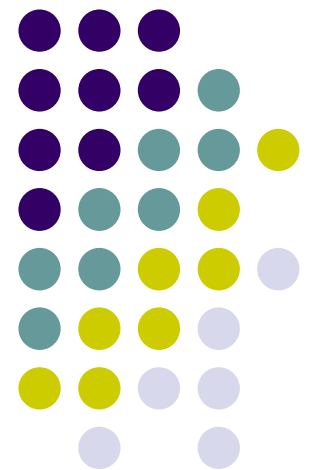


# Data Communication and Computer Networks [EEE 314]

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Mubashir Husain Rehmani

Assistant Professor  
Department of Electrical Engineering  
COMSATS Institute of Information Technology,  
Wah Cantt, Pakistan



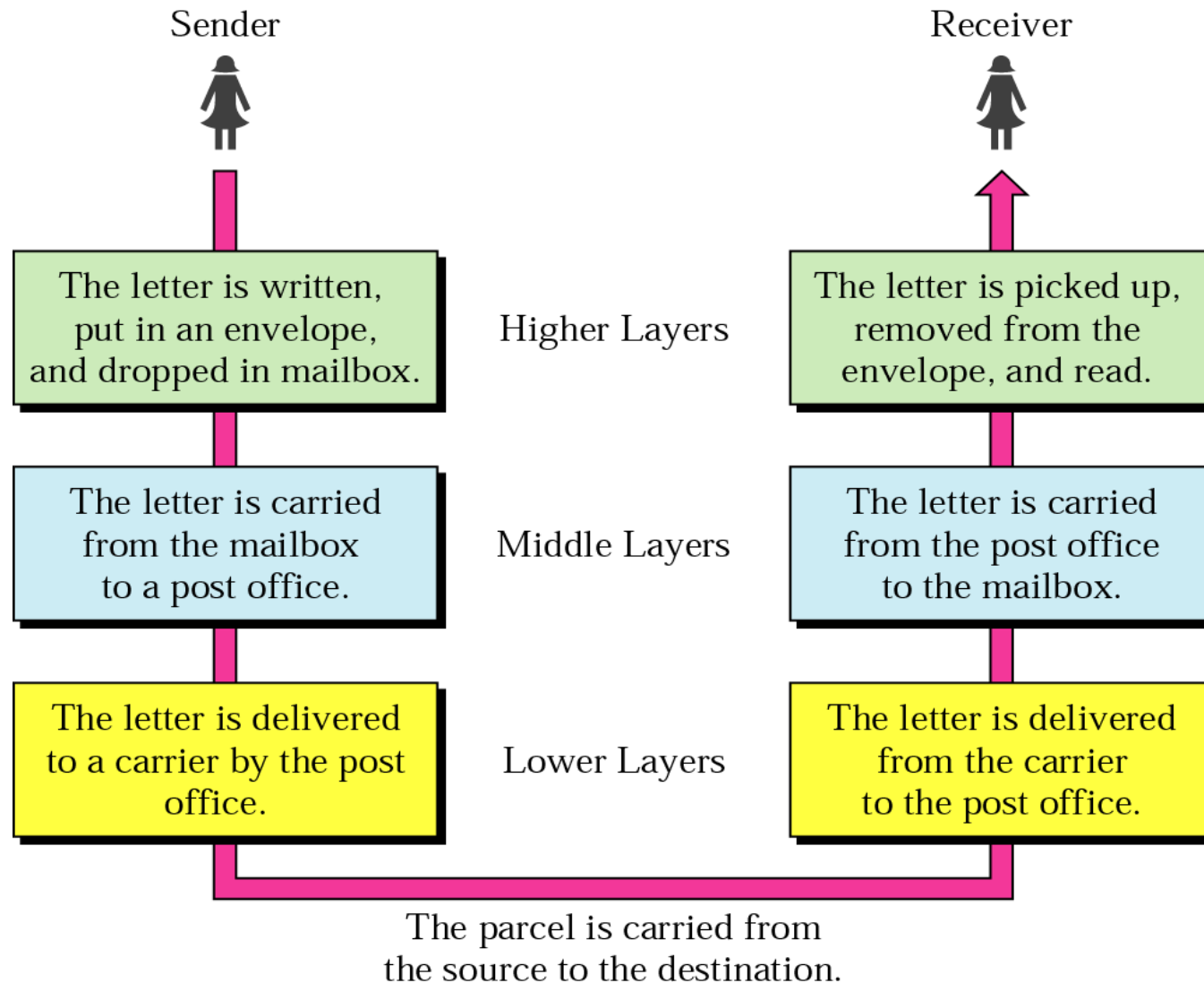
**COMSATS**

Institute of Information Technology  
Wah Cantt

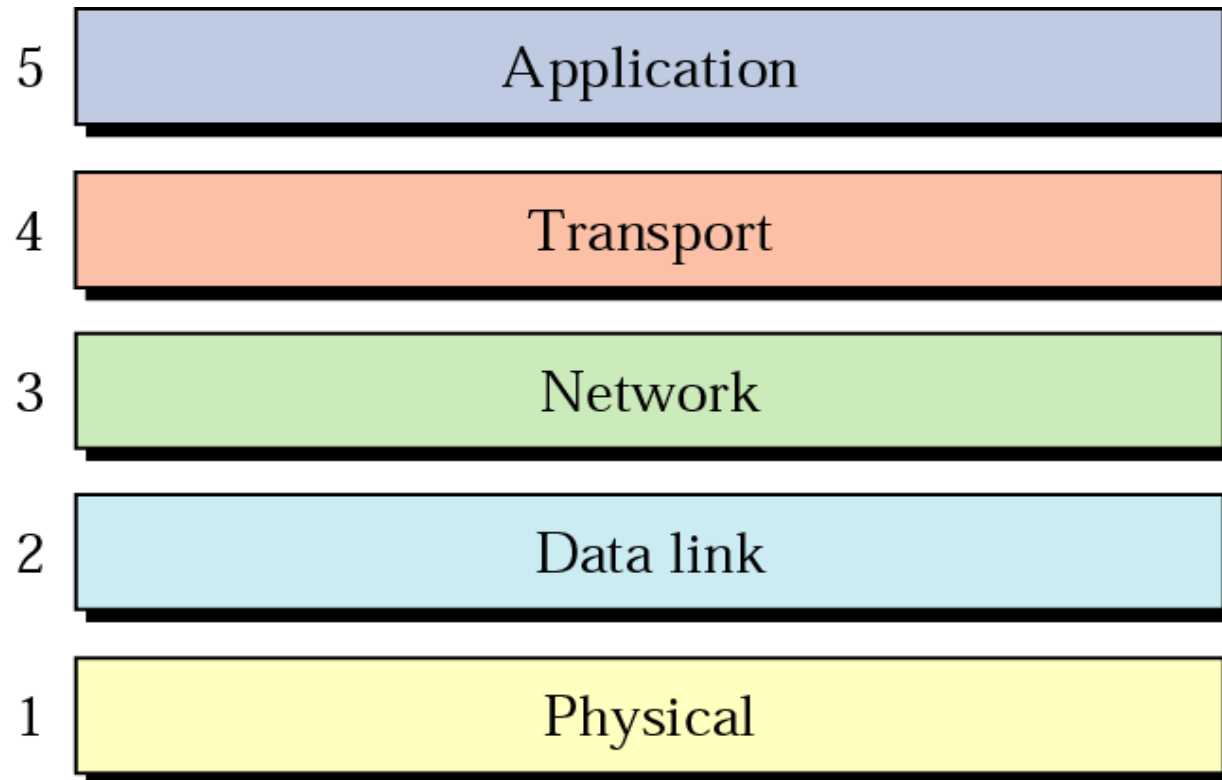
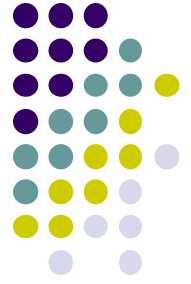
*We Aim to Inspire*



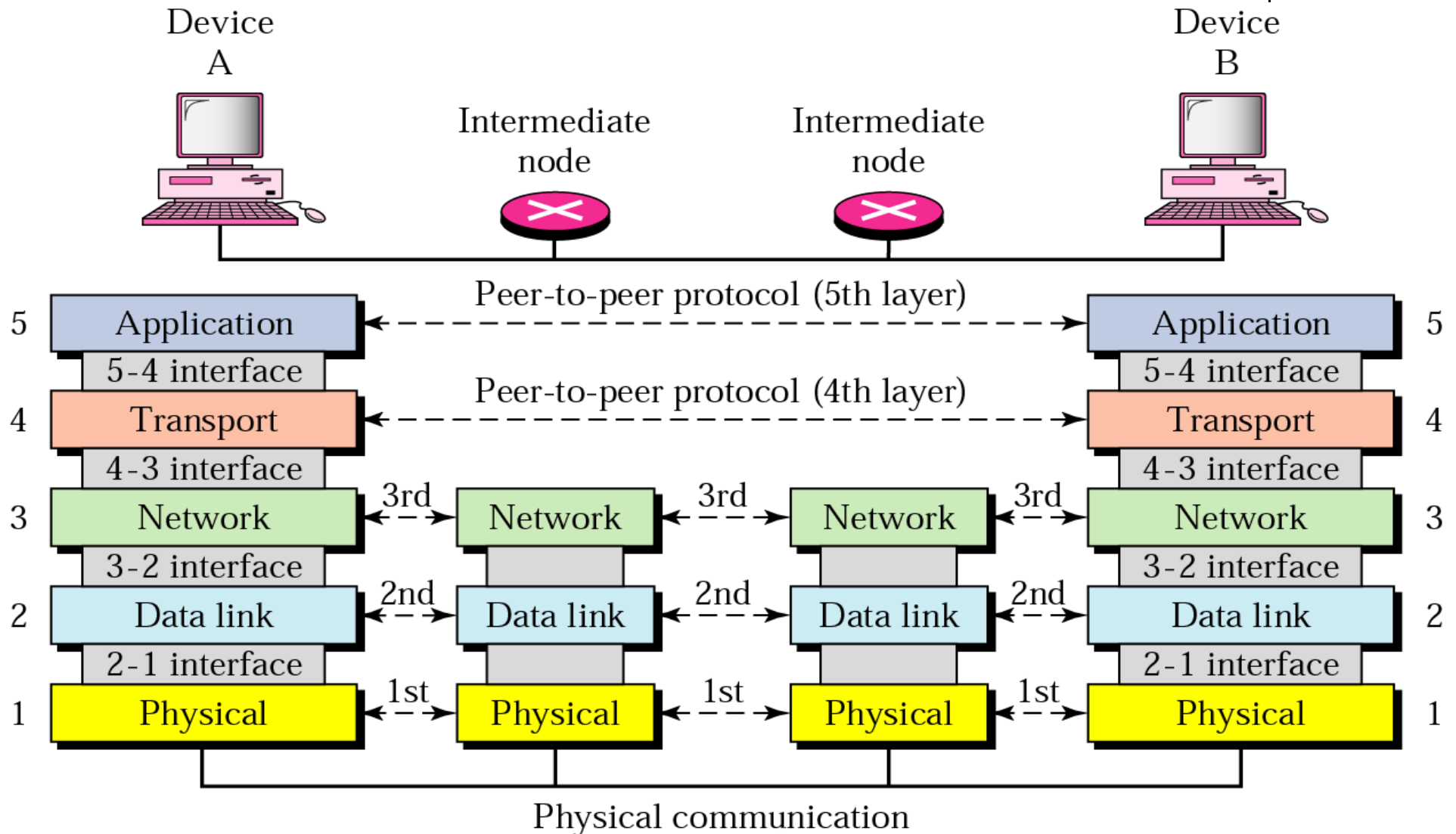
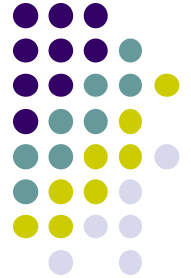
# Layers: Sending a Message



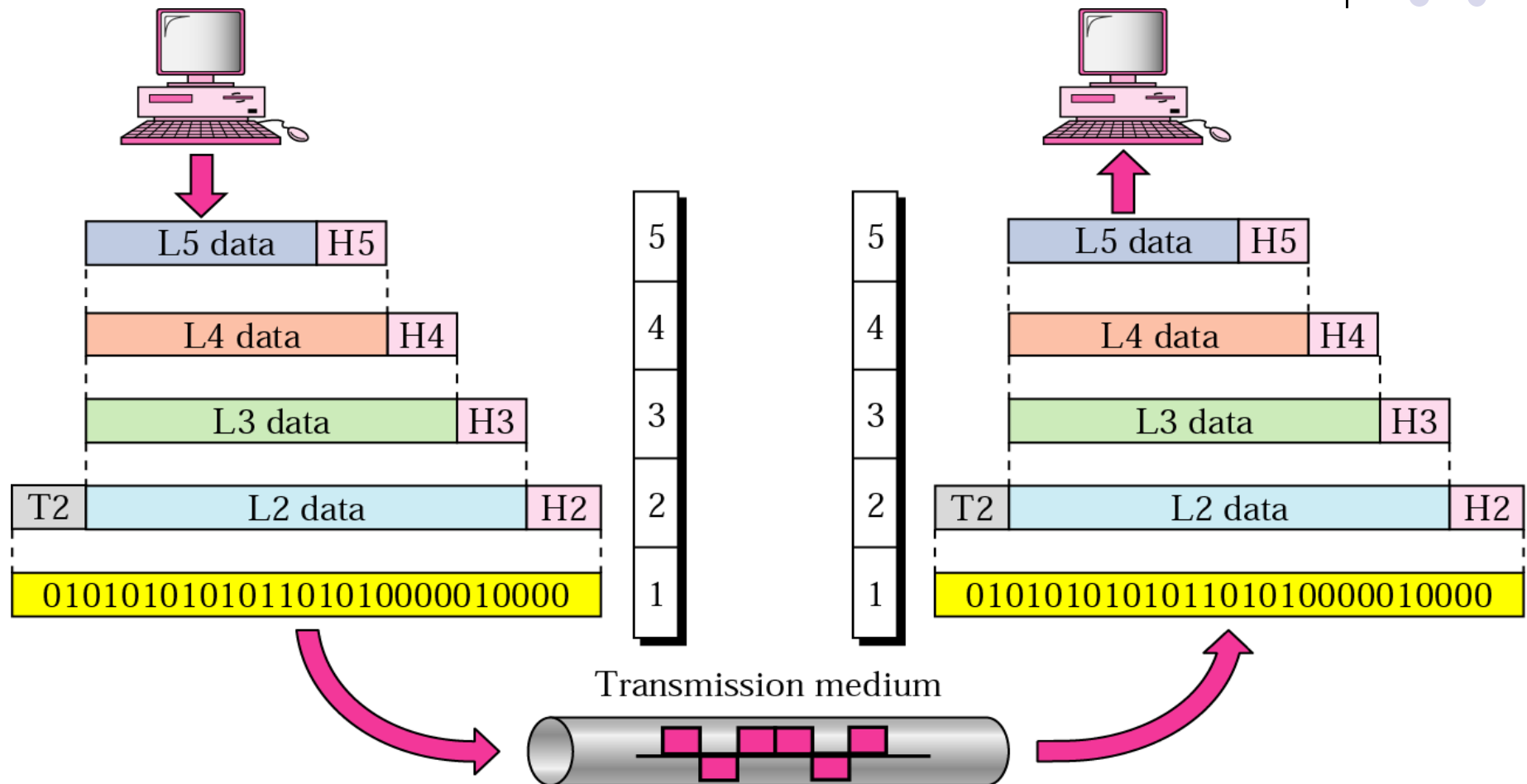
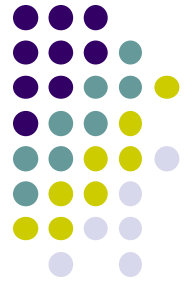
# Intenet Layers



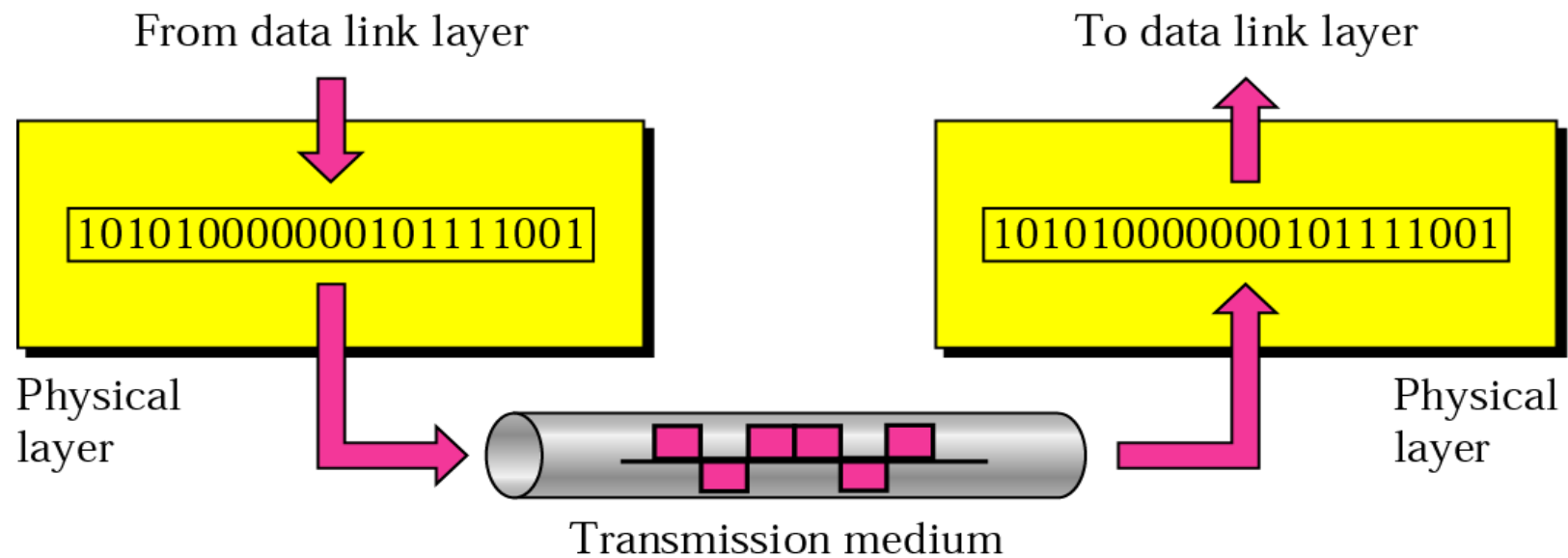
# Peer to Peer Processes



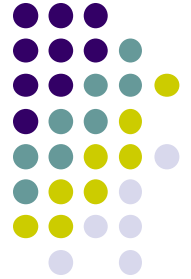
# An Exchange using Internet Model



# Physical Layer

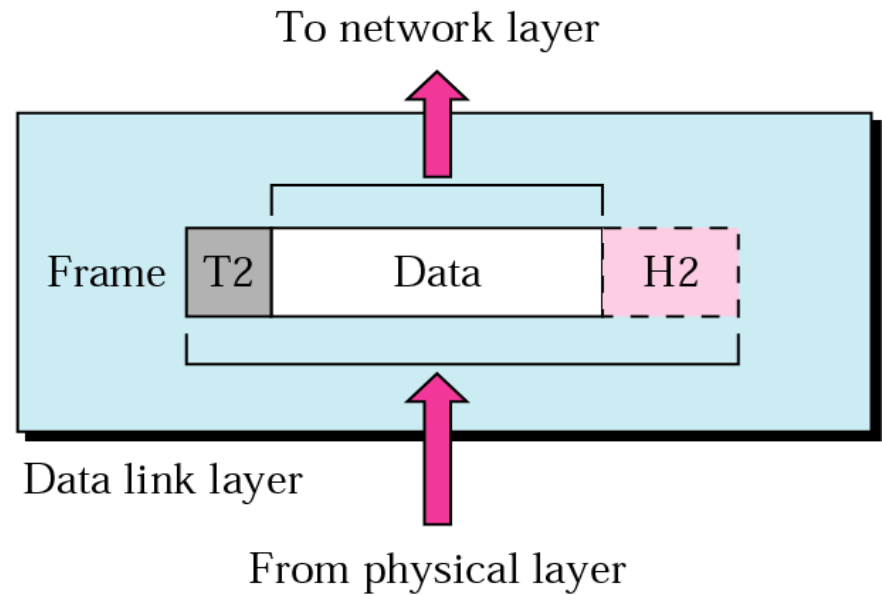
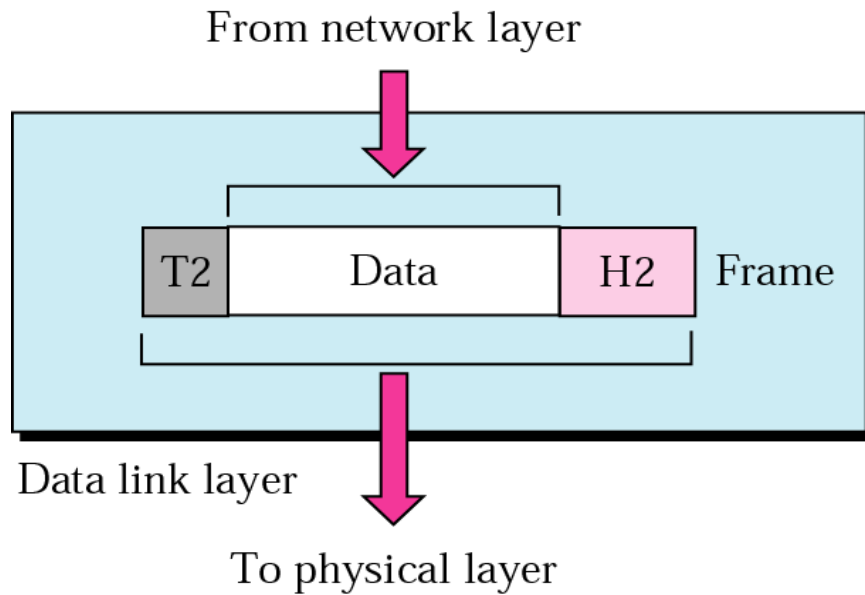


# Physical Layer



*The physical layer is responsible for transmitting individual bits from one node to the next.*

# Data Link Layer



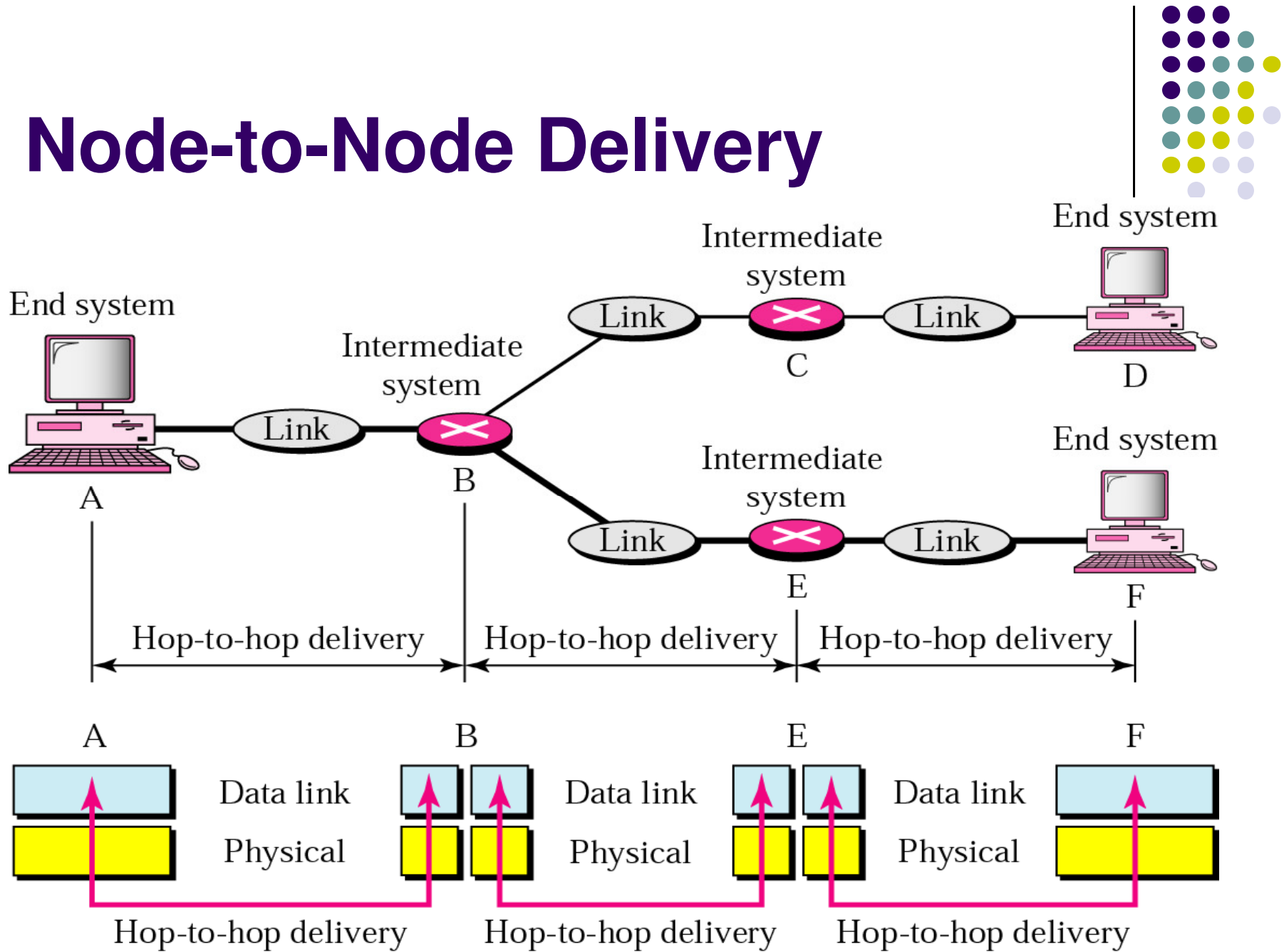


# Data Link Layer

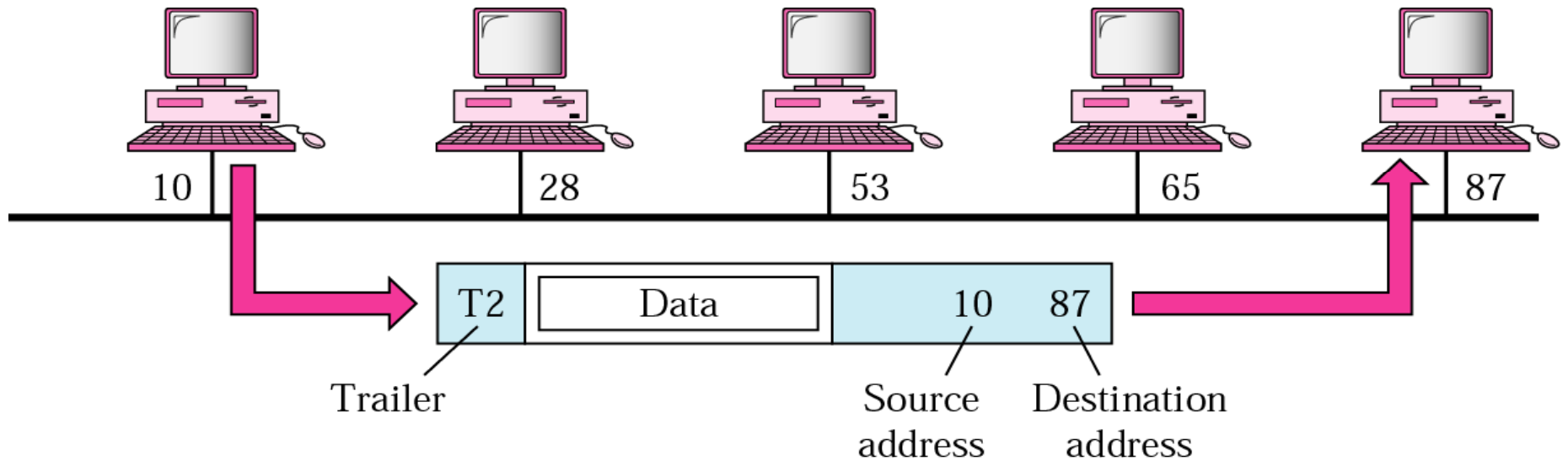
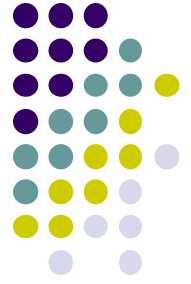


*The data link layer is responsible for transmitting frames from one node to the next.*

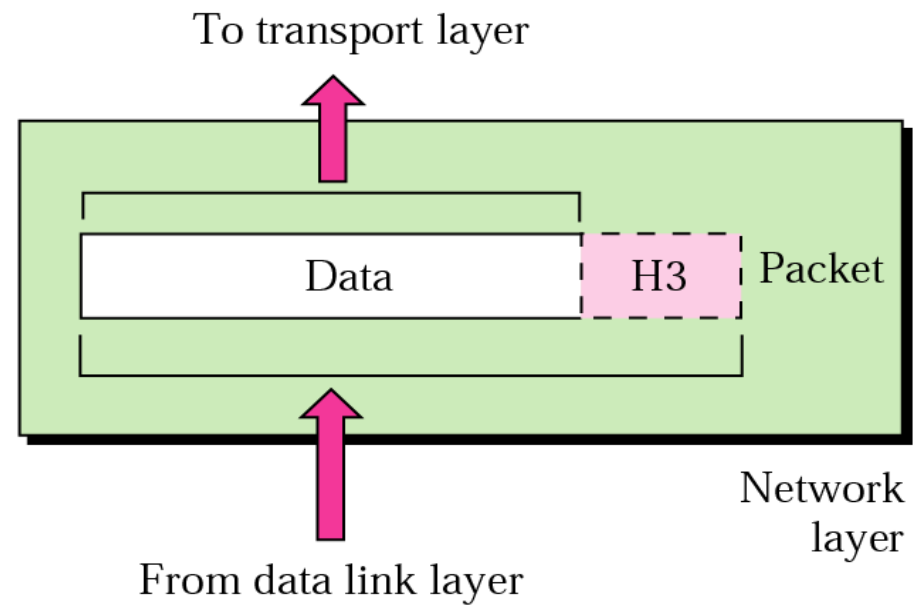
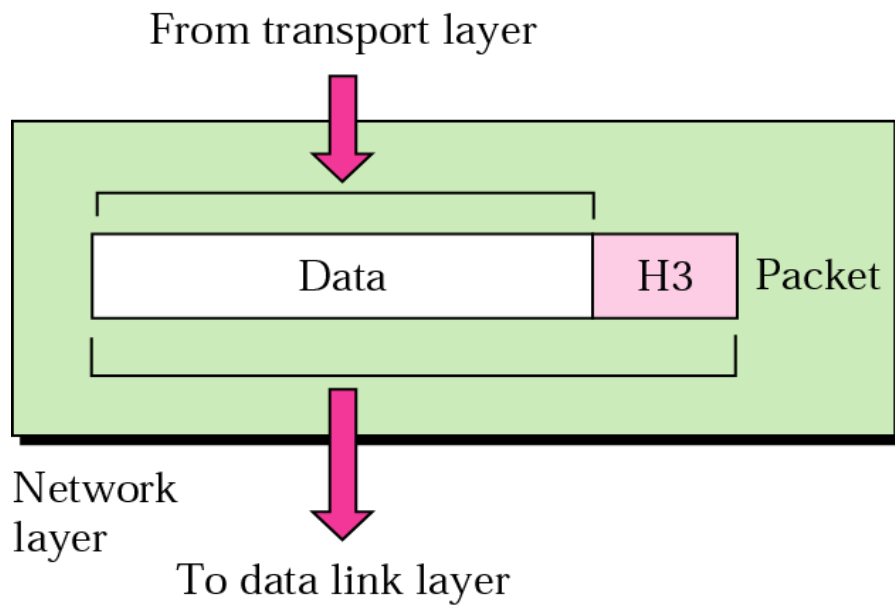
# Node-to-Node Delivery



# An Example



# Network Layer

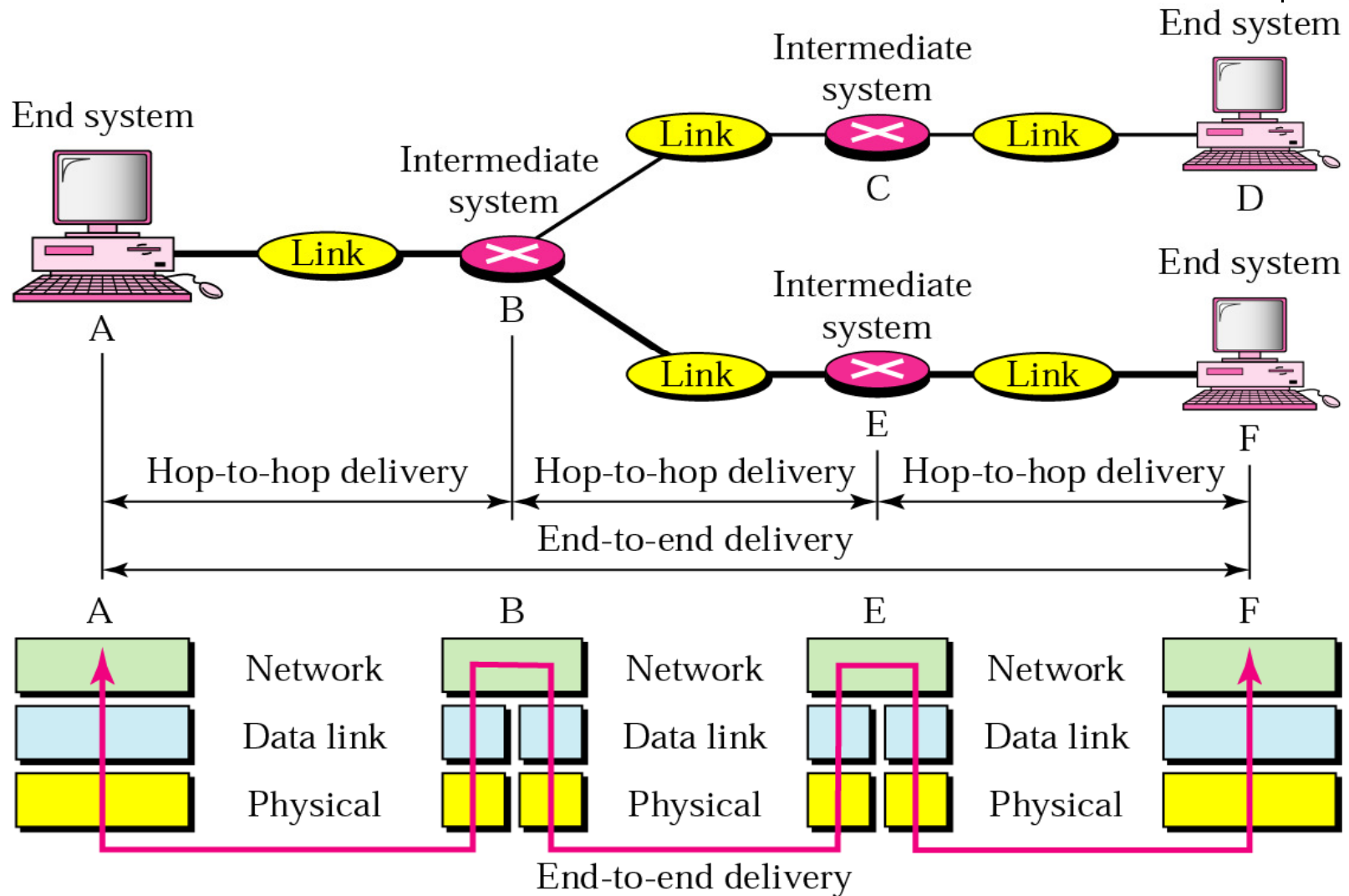


# Network Layer

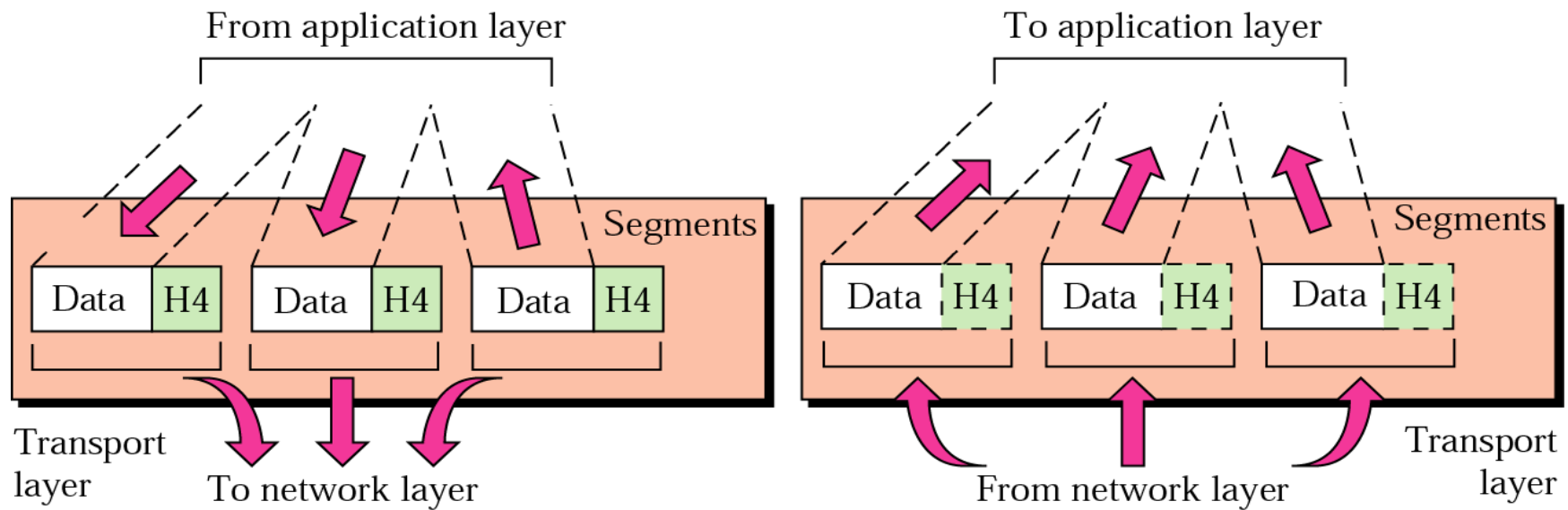


*The network layer is responsible for the delivery of packets from the original source to the final destination.*

# Source to Destination Delivery



# Transport Layer



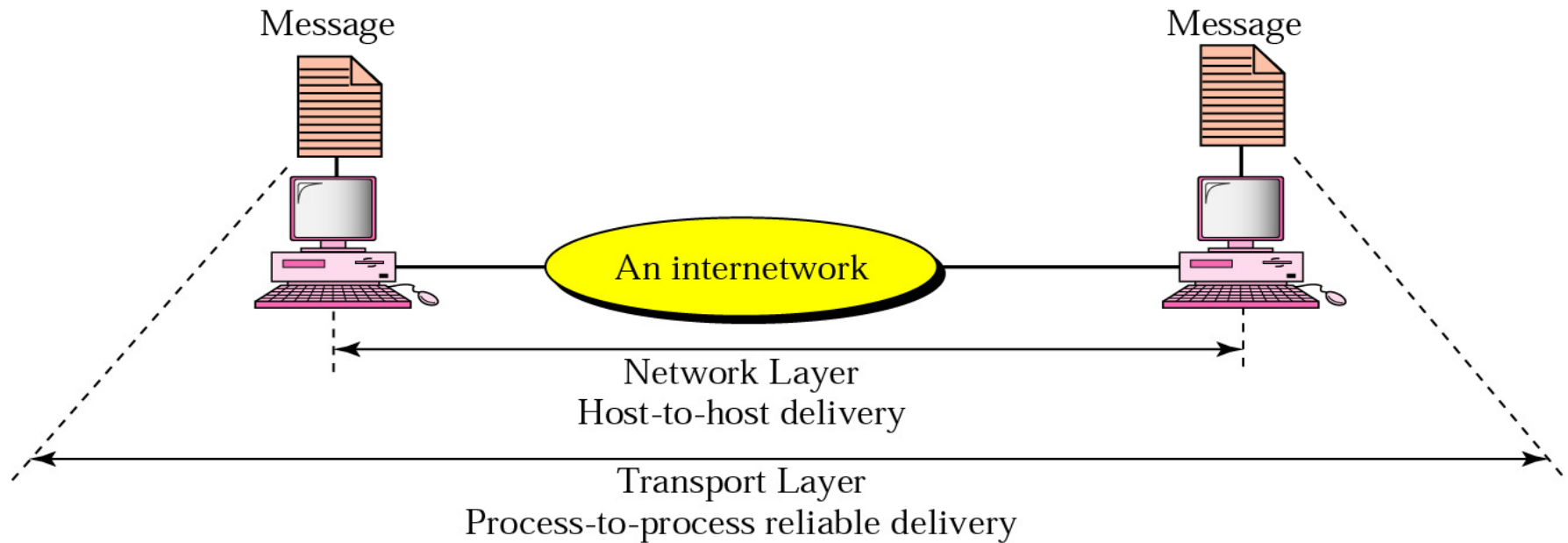
# Transport Layer



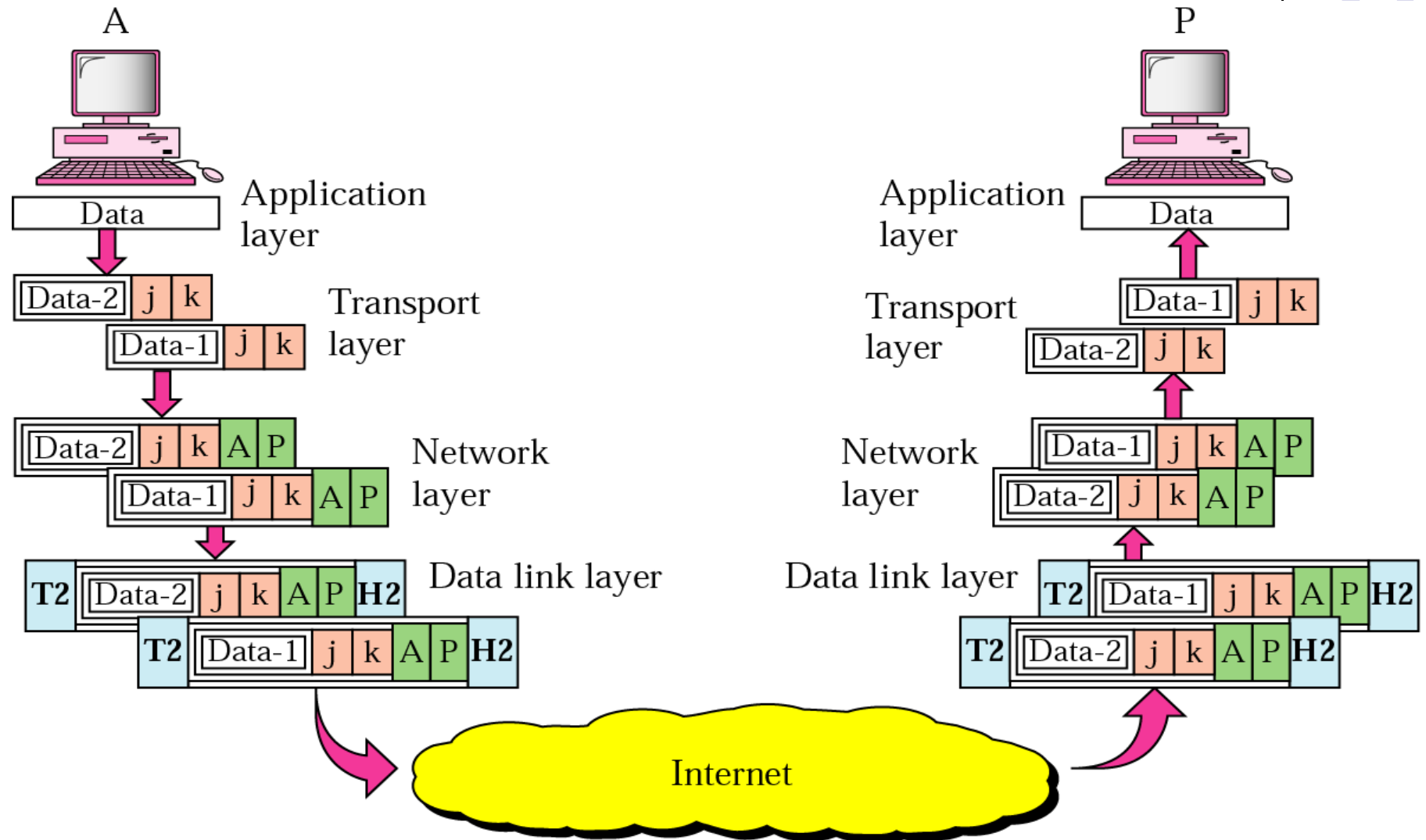
*The transport layer is responsible for delivery of a message from one process to another.*



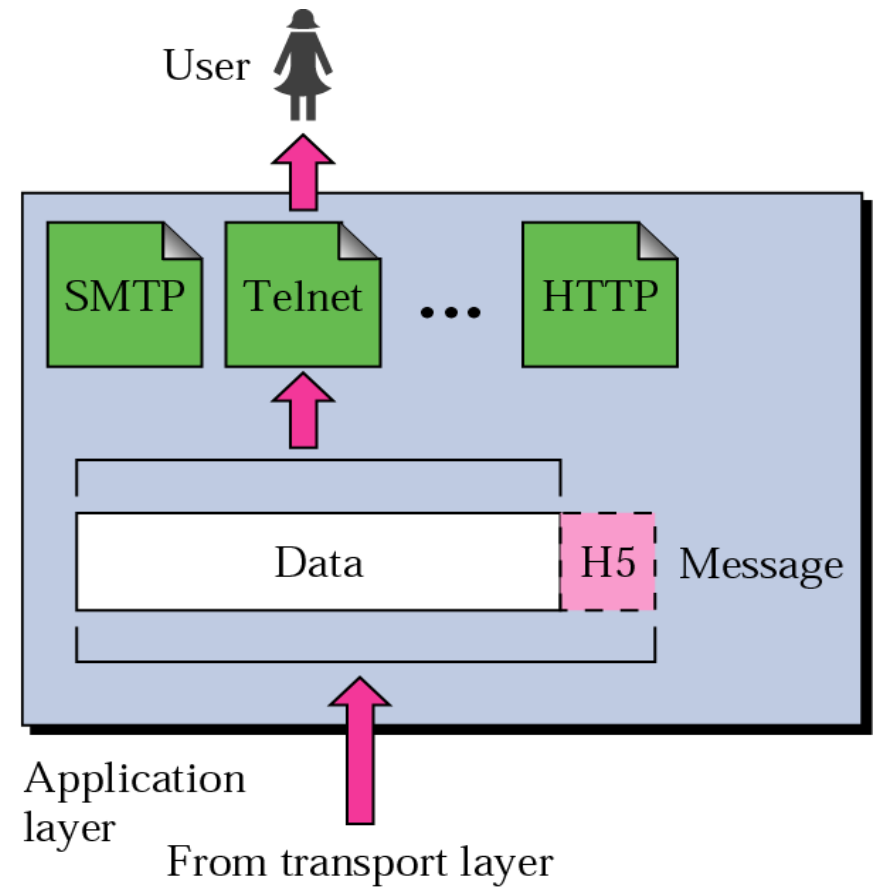
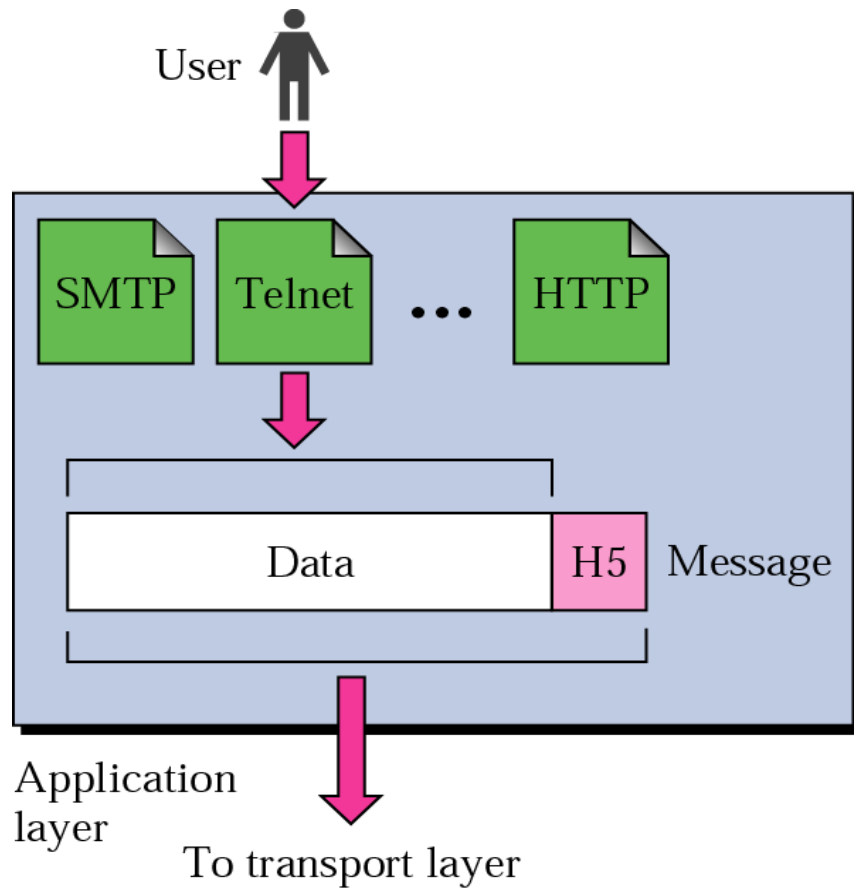
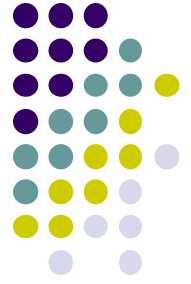
# Process to Process Delivery of Message



# An Example



# Application Layer

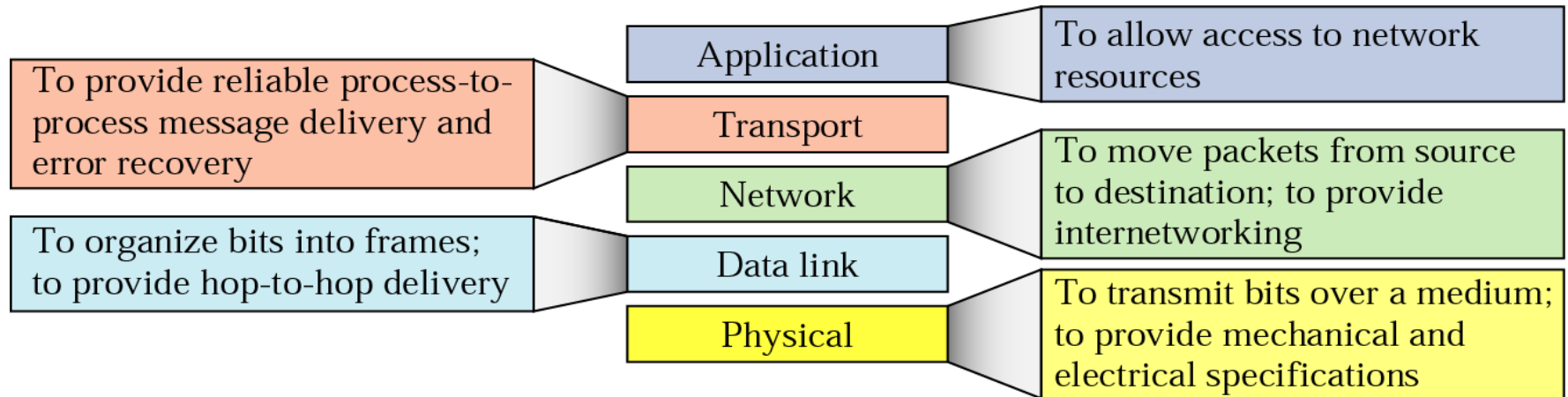


# Application Layer



*The application layer is responsible for providing services to the user.*

# Duties of Layers



# OSI Model

