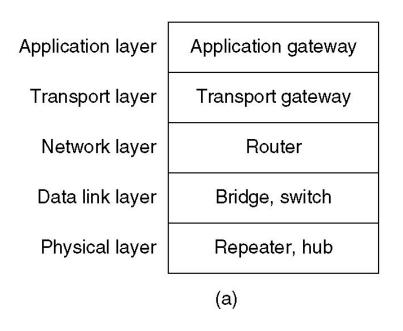
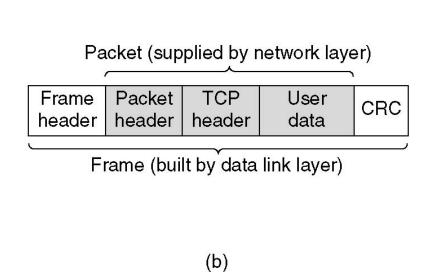
The Network Layer

Repeaters, Hubs, Bridges, Switches, Routers and Gateways

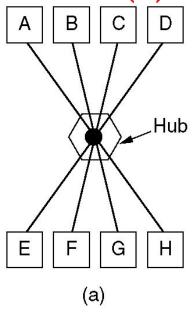


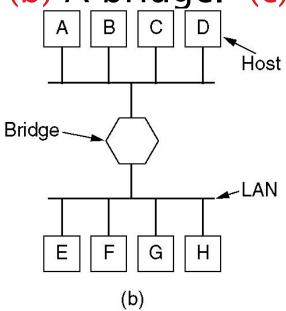


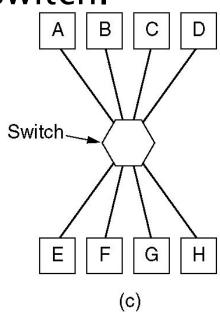
- (a) Which device is in which layer.
- (b) Frames, packets, and headers.

Repeaters, Hubs, Bridges, Switches, Routers and Gateways (2)

(a) A hub. (b) A bridge. (c) a switch.





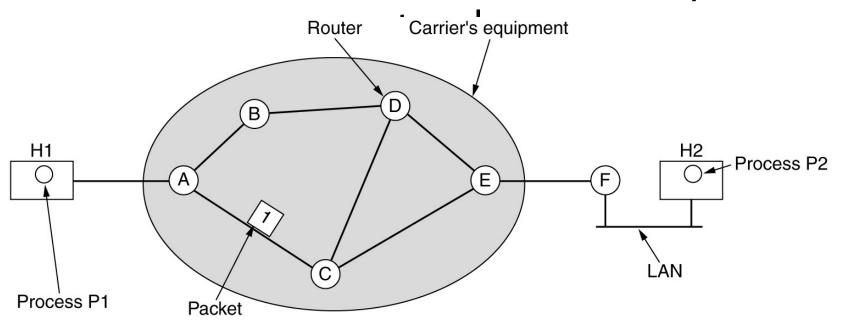


Network Layer Design Isues

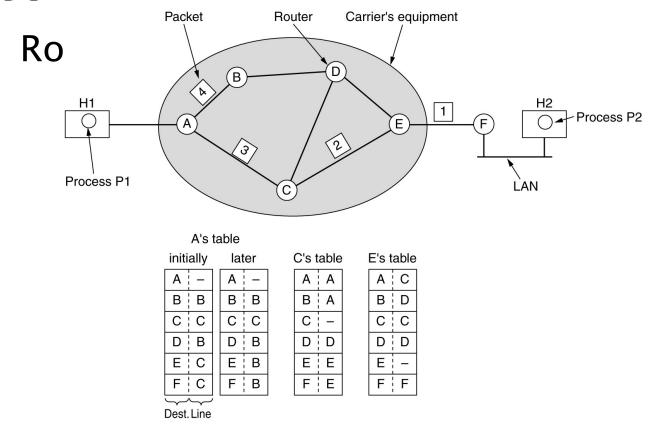
- Store-and-Forward Packet Switching
- Services Provided to the Transport Layer
- Implementation of Connectionless Service
- Implementation of Connection–Oriented Service
- Comparison of Virtual-Circuit and Datagram Subnets

Store-and-Forward Packet Switching

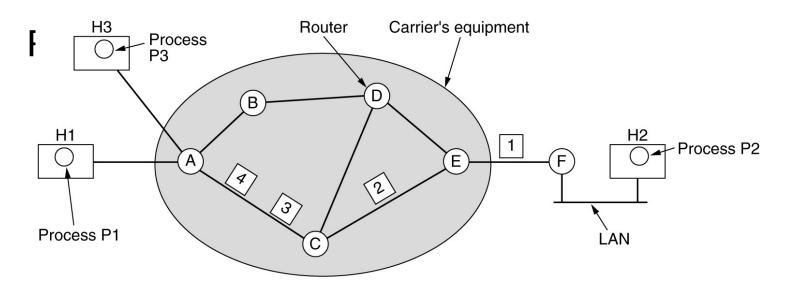
The environment of the network layer

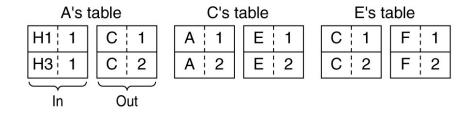


Implementation of Connectionless Service



Implementation of Connection-Oriented Service





Thank you