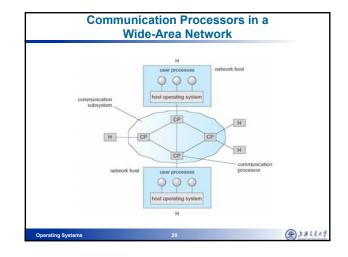
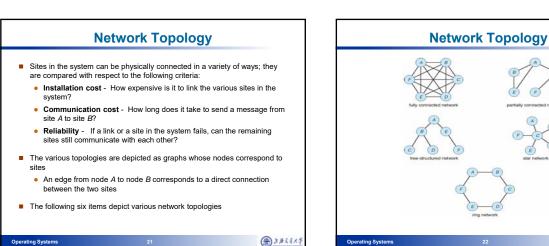


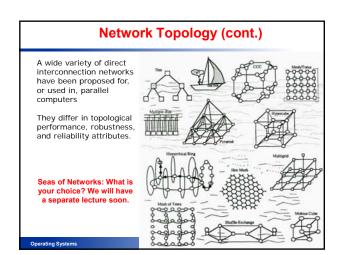
Network Types (Cont.)

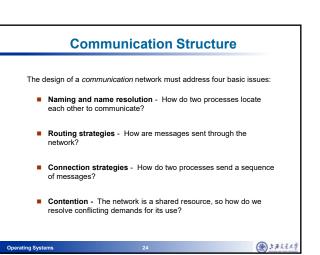
- Wide-Area Network (WAN) links geographically separated sites
 Point-to-point connections over long-haul lines (often leased from a phone company)
 - Speed ≈ 1.544 45 megbits/second
 - Broadcast usually requires multiple messages
 - Nodes:
 - usually a high percentage of mainframes



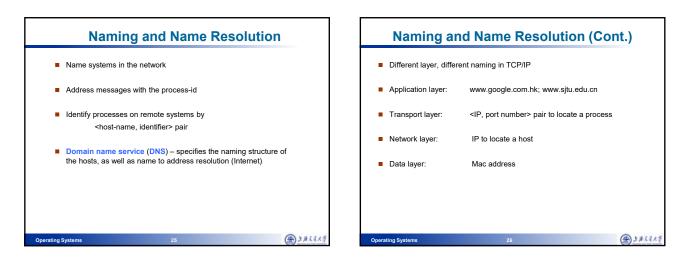


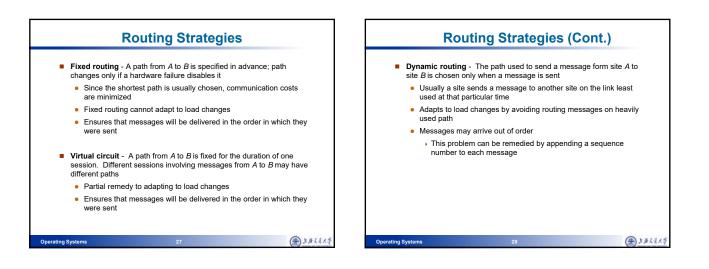
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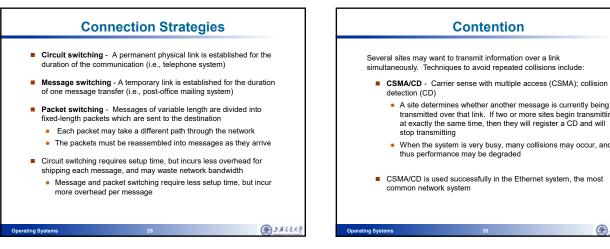


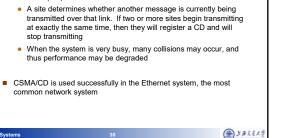


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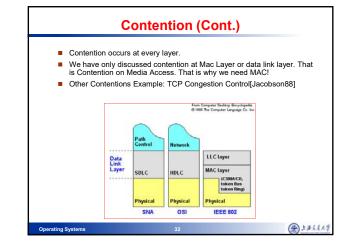


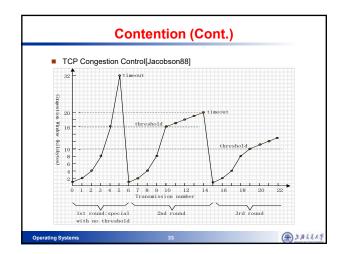


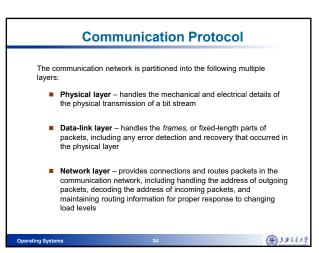
Token passing - A unique message type, known as a token, continuously circulates in the system (usually a ring structure)

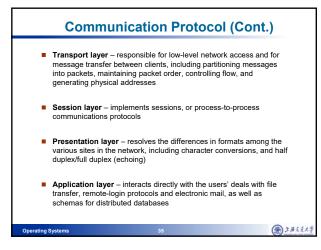
- A site that wants to transmit information must wait until the token arrives
- When the site completes its round of message passing, it retransmits the token
- A token-passing scheme is used by some IBM and HP/Apollo systems
- Message slots A number of fixed-length message slots continuously circulate in the system (usually a ring structure)
 - Since a slot can contain only fixed-sized messages, a single logical message may have to be broken down into a number of smaller packets, each of which is sent in a separate slot
 - This scheme has been adopted in the experimental Cambridge Digital Communication Ring

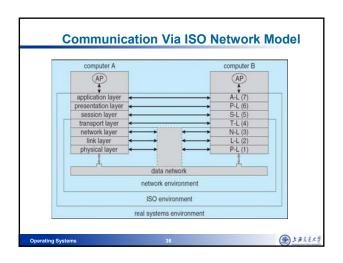
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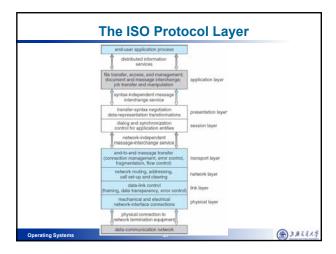


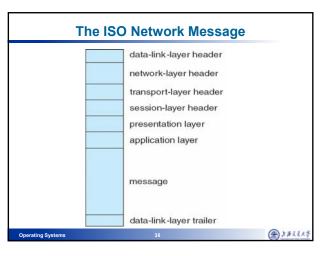


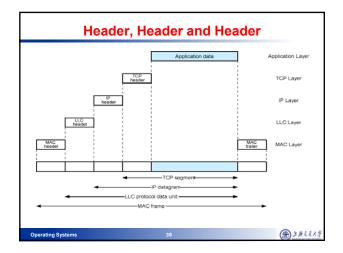


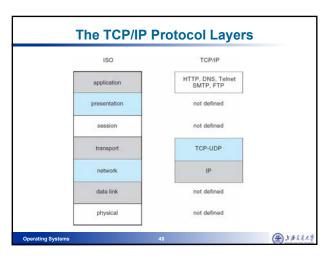












Robustness		
 Failure detection 		
 Reconfiguration 		
Operating Systems	41	(金) 上西文主大学

