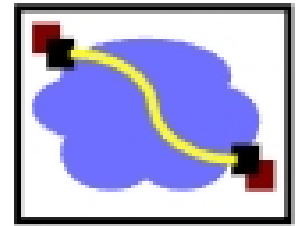




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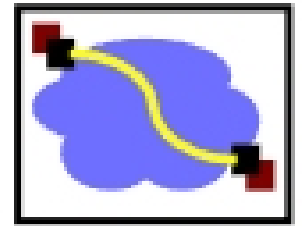
Lecture 17 – More TCP & Congestion Control

Good Ideas So Far...



- Flow control
 - Stop & wait
 - Parallel stop & wait
 - Sliding window (e.g., advertised windows)
- Loss recovery
 - Timeouts
 - Acknowledgement-driven recovery (selective repeat or cumulative acknowledgement)
- Congestion control
 - AIMD → fairness and efficiency
- How does TCP actually implement these?

Outline



- TCP connection setup/data transfer
- TCP reliability
- TCP congestion avoidance