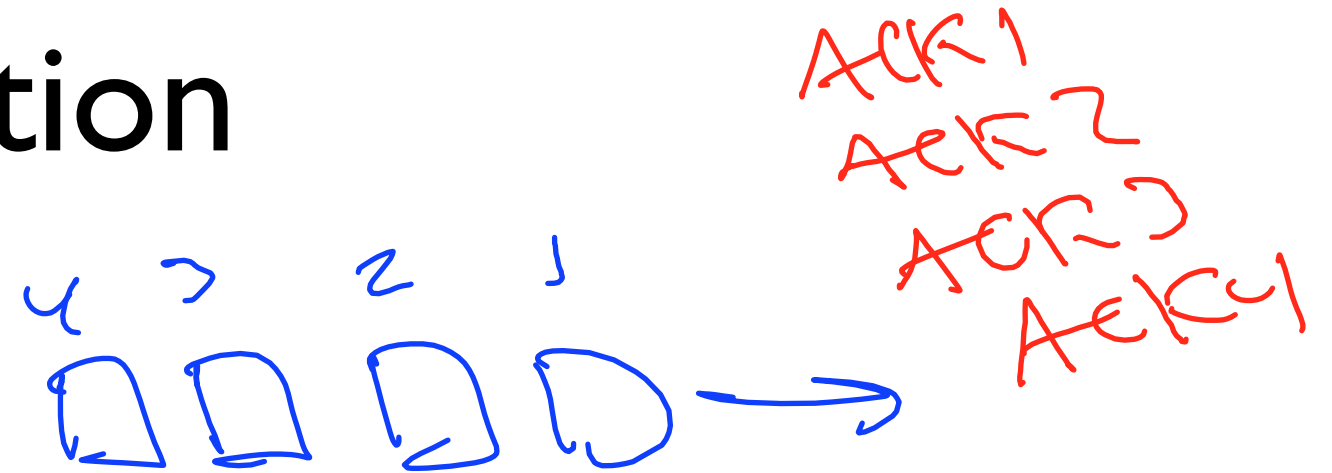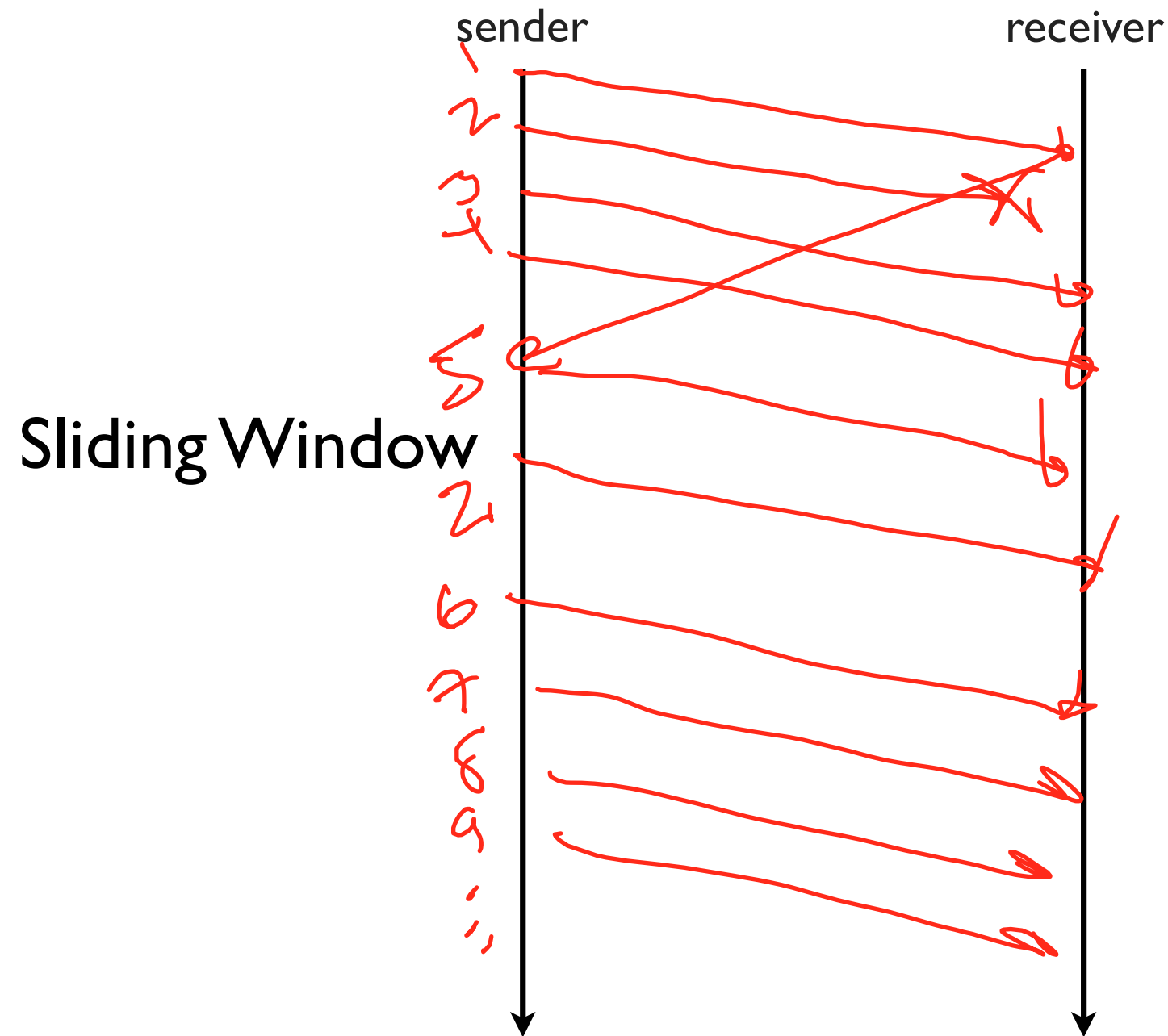# Retransmission Strategies

Question

- Have a window of packets in flight for reliable transport
- Using cumulative acknowledgments
- Per-packet timer
- How does the protocol behave?
  - Go-back-N: one loss will lead to entire window retransmitting
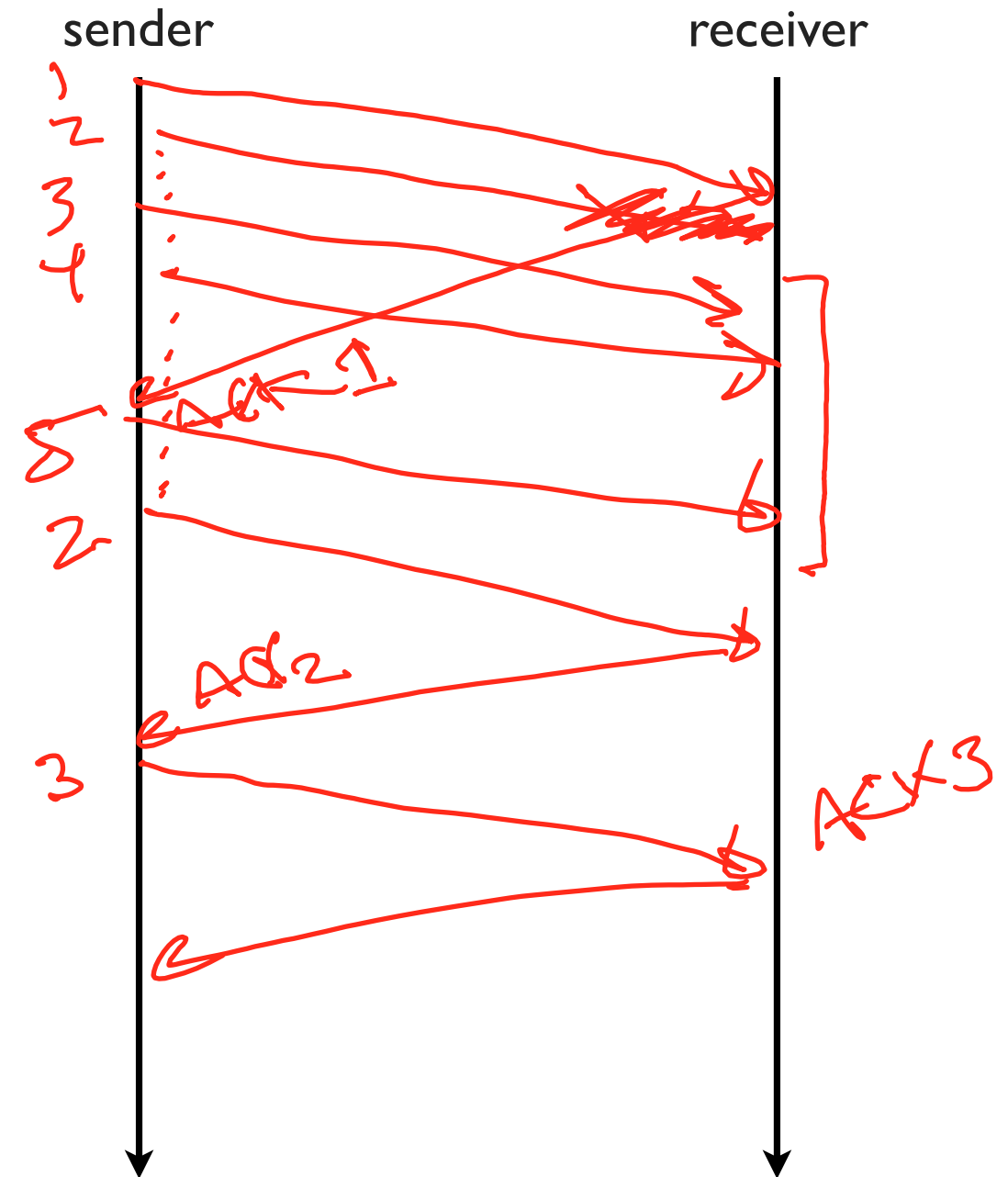 - Selective repeat: one loss will lead to only that packet retransmitting

Go-Back-N

Sliding Window

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Selective Repeat $n=4$

sender   receiver

Sliding Window

First Example

- Sender has a window of N $= 4$
- Receiver has a window of 1
- Go-back-N or selective repeat?

Second Example

- Sender has a window of N
- Receiver has a window of N
- Go-back-N or selective repeat?

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