

<http://cs.gettysburg.edu/~cpresser/cs322/gbn/GBN.html>



GBN Sender

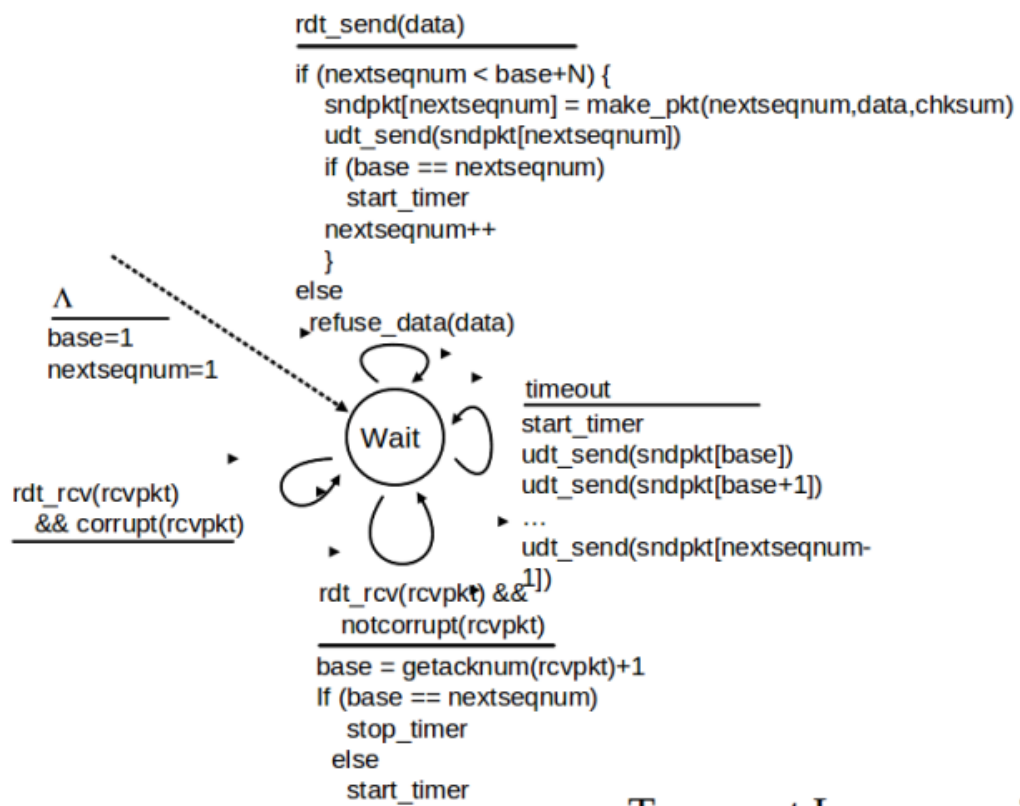
- request to send
- rcv. an ack
- timeout

Receiver

- rcv packet
- good
- bad

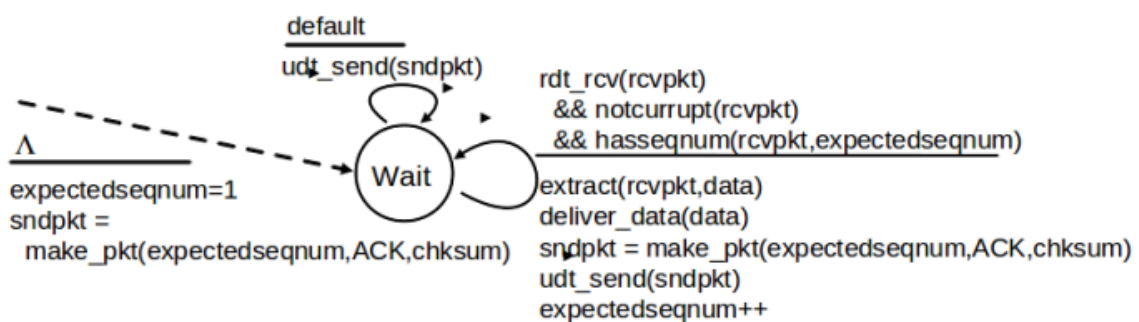


GBN: sender extended FSM



Transport Layer 3-

GBN: receiver extended FSM



ACK-only: always send ACK for correctly-received pkt with highest *in-order* seq #

- may generate duplicate ACKs
- need only remember **expectedseqnum**
- out-of-order pkt:
 - discard (don't buffer) -> **no receiver buffering!**
 - Re-ACK pkt with highest in-order seq #

Transport Layer 3-

Selective Repeat

sender

request to send

timeout (n)

ACK (n)

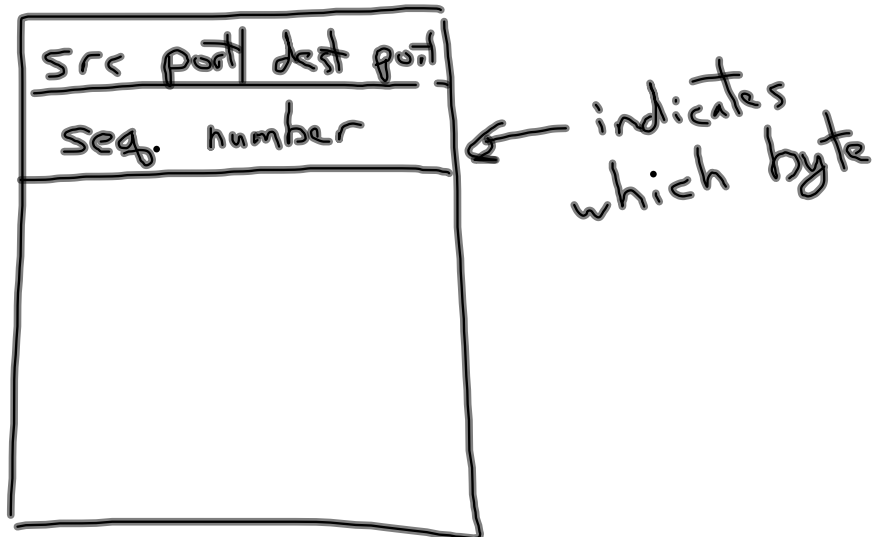
receiver

receive (n)

↳ good

↳ bad?

TCP



TCP

