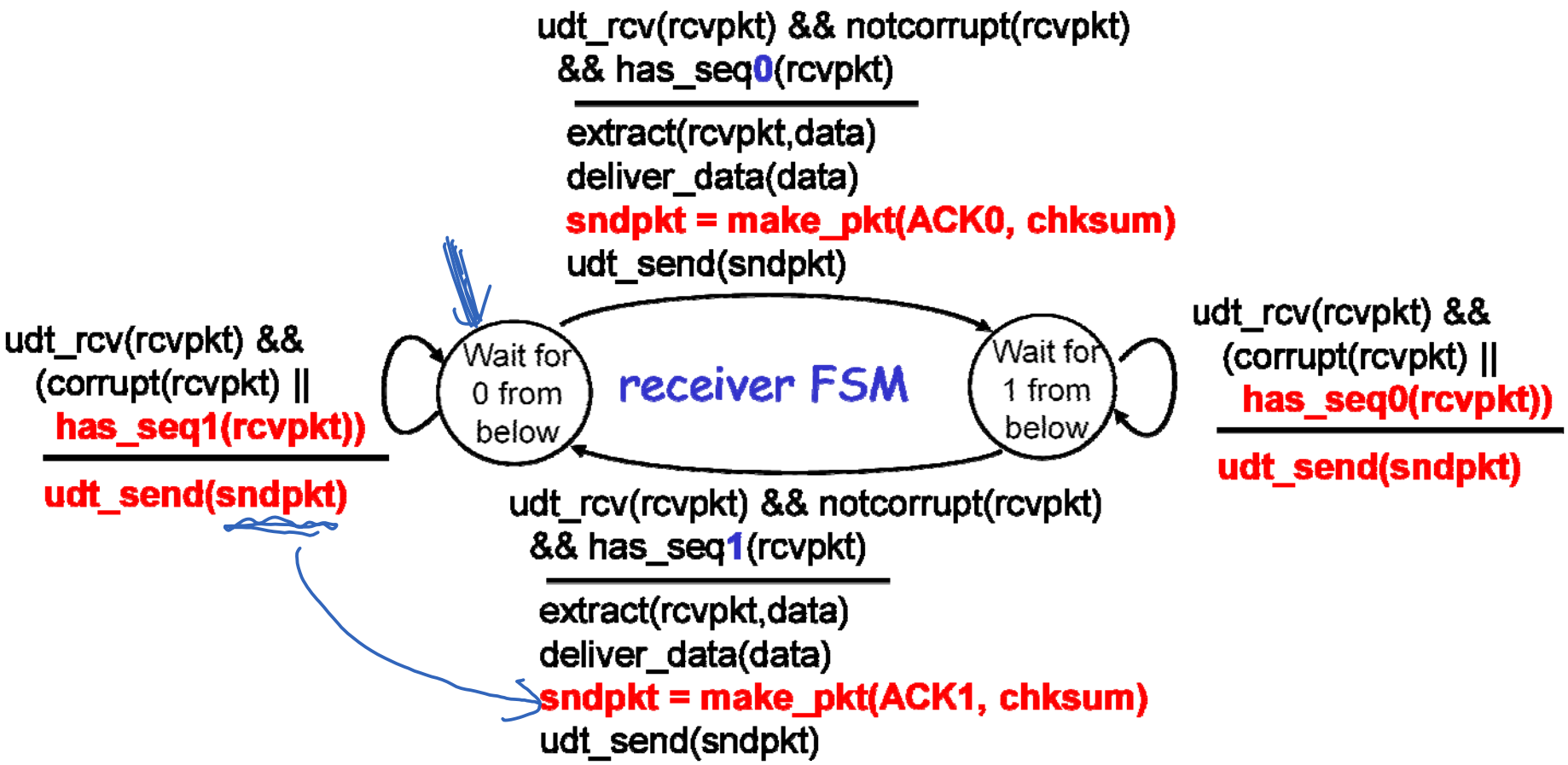
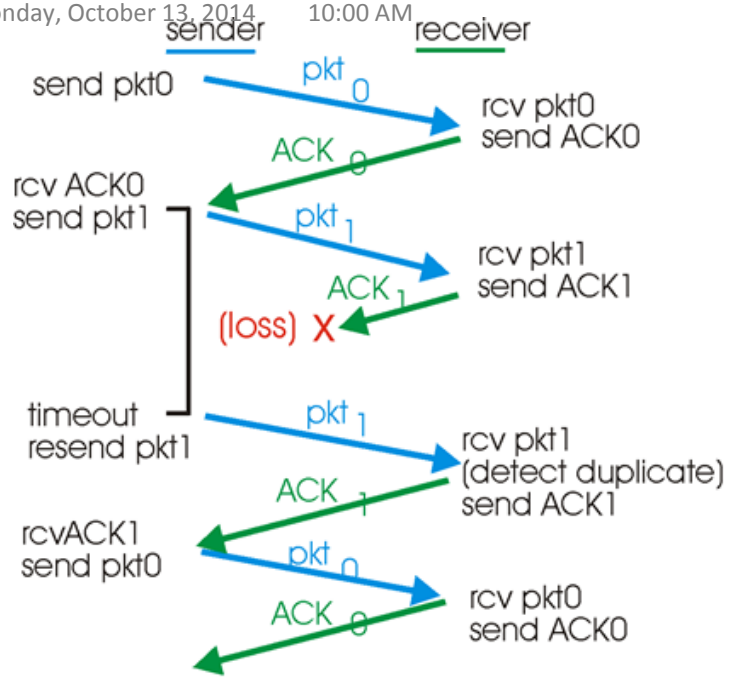
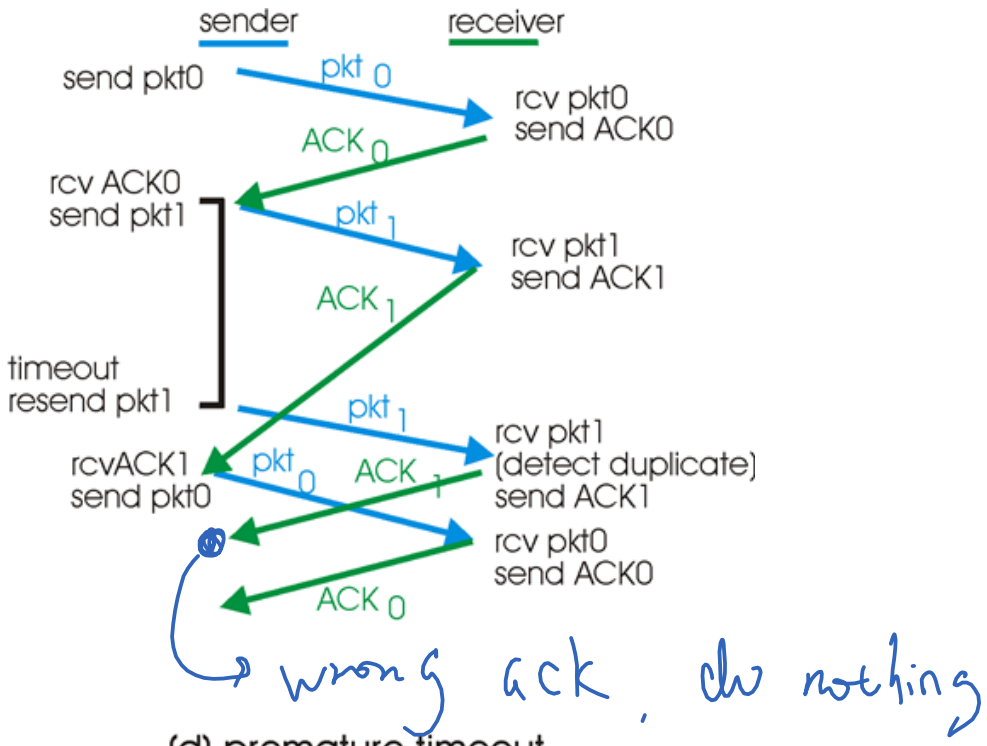
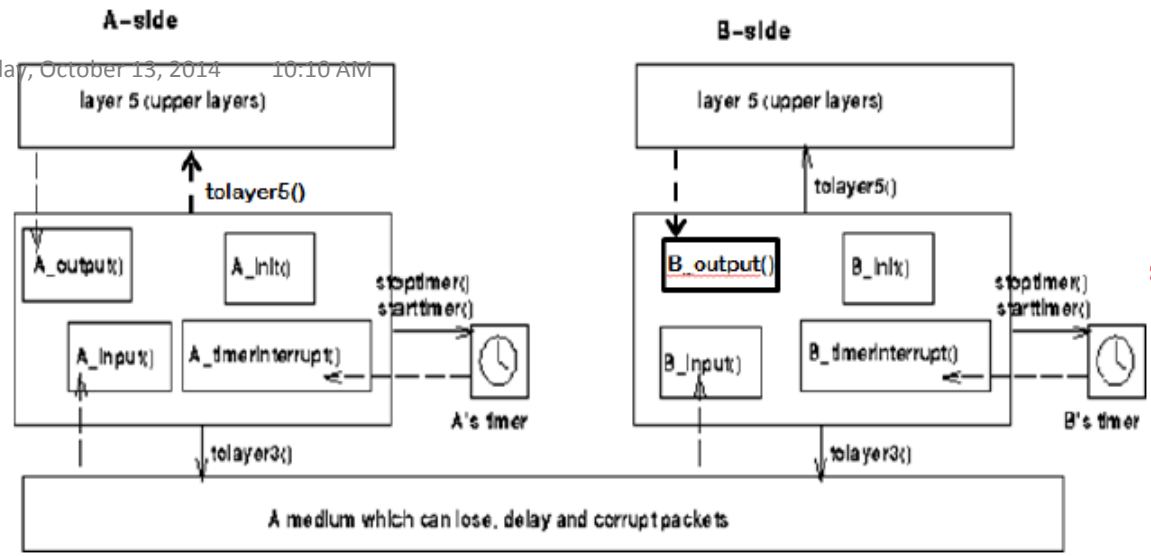

udt_rcv(rcvpkt) && notcorrupt(rcvpkt)
&& has_seq0(rcvpkt)
extract(rcvpkt,data)
deliver_data(data)
sndpkt = make_pkt(ACK0, chksum)
udt_send(sndpkt)
udt_rcv(rcvpkt) &&
(corrupt(rcvpkt) ||
has_seq1(rcvpkt))
udt_send(sndpkt)
Wait for
0 from
below
receiver FSM
Wait for
1 from
below
udt_rcv(rcvpkt) &&
(corrupt(rcvpkt) ||
has_seq0(rcvpkt))
udt_send(sndpkt)
udt_rcv(rcvpkt) && notcorrupt(rcvpkt)
&& has_seq1(rcvpkt)
extract(rcvpkt,data)
deliver_data(data)
sndpkt = make_pkt(ACK1, chksum)
udt_send(sndpkt)



(c) lost ACK



(d) premature timeout



FSM

tolayer5() ⟷ deliver_data()

tolayer3() ⟷ udt_send()

Aoutput() ⟷ rdt_send()
B

A_input() ⟷ udt_recv()
B_input()