"D:\Drive\L-3 T-2\CSE 322 - Computer Networks Sessional\Assignment 4 - RDT\CSE\_322\_Assignment4\_RDT\RDT\_GBN\_Bonus\cmake-build-debug\RDT\_GBN\_Bonus.exe"

----- Stop and Wait Network Simulator Version 1.1 --------

Enter the number of messages to simulate:20

20

Enter packet loss probability [enter 0.0 for no loss]:.2

.2

Enter packet corruption probability [0.0 for no corruption]:.2

.2

Enter average time between messages from sender's layer5 [ > 0.0]:10

10

Enter TRACE:2

2

EVENT time: 0.935697, type: 1, fromlayer5 entity: 0

\*\*\*At 0.935697 In A\_sendPacket(): Sending pkt0 : aaaaaaaaaaaaaaaaaaa\*\*\*

Warning: unable to cancel your timer. It wasn't running.

EVENT time: 6.428144, type: 2, fromlayer3 entity: 1

\*\*\*At 6.428144 In B\_input(): Correct packet received. pkt0 : aaaaaaaaaaaaaaaaaaa\*\*\*

EVENT time: 16.077150, type: 1, fromlayer5 entity: 0

\*\*\*At 16.077150 In A\_sendPacket(): Sending pkt1 : bbbbbbbbbbbbbbbbbbb\*\*\*

TOLAYER3: packet being lost

EVENT time: 22.945036, type: 1, fromlayer5 entity: 0

\*\*\*At 22.945036 In A\_sendPacket(): Sending pkt2 : ccccccccccccccccccc\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 29.034060, type: 2, fromlayer3 entity: 1

\*\*\*At 29.034060 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 31.428144, type: 0, timerinterrupt entity: 1

\*\*\*At 31.428144 In B\_timerInterrupt(): Sending cumulative ack0.\*\*\*

EVENT time: 32.221443, type: 1, fromlayer5 entity: 0

\*\*\*At 32.221443 In A\_sendPacket(): Sending pkt3 : ddddddddddddddddddd\*\*\*

EVENT time: 35.717613, type: 2, fromlayer3 entity: 1

\*\*\*At 35.717613 In B\_input(): Duplicate pkt3 received\*\*\*

EVENT time: 36.864838, type: 2, fromlayer3 entity: 0

\*\*\*At 36.864838 In A\_input(): ACK received for pkt0\*\*\*

\*\*\*At 36.864838 In A\_input(): BASE at 1\*\*\*

EVENT time: 42.329174, type: 1, fromlayer5 entity: 0

\*\*\*At 42.329174 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

EVENT time: 50.905304, type: 2, fromlayer3 entity: 1

\*\*\*At 50.905304 In B\_input(): Duplicate pkt4 received\*\*\*

EVENT time: 55.074924, type: 1, fromlayer5 entity: 0

\*\*\*At 55.074924 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

EVENT time: 56.077148, type: 0, timerinterrupt entity: 0

\*\*\*At 56.077148 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 56.077148 In A\_sendPacket(): Sending pkt1 : bbbbbbbbbbbbbbbbbbb\*\*\*

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 56.077148 In A\_sendPacket(): Sending pkt2 : ccccccccccccccccccc\*\*\*

\*\*\*At 56.077148 In A\_sendPacket(): Sending pkt3 : ddddddddddddddddddd\*\*\*

TOLAYER3: packet being lost

\*\*\*At 56.077148 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

\*\*\*At 56.077148 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

EVENT time: 58.561207, type: 2, fromlayer3 entity: 1

\*\*\*At 58.561207 In B\_input(): Duplicate pkt5 received\*\*\*

EVENT time: 60.717613, type: 0, timerinterrupt entity: 1

\*\*\*At 60.717613 In B\_timerInterrupt(): Sending cumulative ack0.\*\*\*

TOLAYER3: packet being lost

EVENT time: 62.437515, type: 2, fromlayer3 entity: 1

\*\*\*At 62.437515 In B\_input(): Correct packet received. pkt1 : bbbbbbbbbbbbbbbbbbb\*\*\*

EVENT time: 67.998901, type: 2, fromlayer3 entity: 1

\*\*\*At 67.998901 In B\_input(): Correct packet received. pkt2 : ccccccccccccccccccc\*\*\*

EVENT time: 68.155769, type: 1, fromlayer5 entity: 0

\*\*\*At 68.155769 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

EVENT time: 73.946472, type: 2, fromlayer3 entity: 1

\*\*\*At 73.946472 In B\_input(): Duplicate pkt4 received\*\*\*

EVENT time: 76.144295, type: 2, fromlayer3 entity: 1

\*\*\*At 76.144295 In B\_input(): Duplicate pkt5 received\*\*\*

EVENT time: 79.522636, type: 2, fromlayer3 entity: 1

\*\*\*At 79.522636 In B\_input(): Duplicate pkt6 received\*\*\*

EVENT time: 87.372665, type: 1, fromlayer5 entity: 0

\*\*\*At 87.372665 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

EVENT time: 87.437515, type: 0, timerinterrupt entity: 1

\*\*\*At 87.437515 In B\_timerInterrupt(): Sending cumulative ack2.\*\*\*

EVENT time: 88.900024, type: 2, fromlayer3 entity: 1

\*\*\*At 88.900024 In B\_input(): Duplicate pkt7 received\*\*\*

EVENT time: 89.357376, type: 2, fromlayer3 entity: 0

\*\*\*At 89.357376 In A\_input(): ACK received for pkt2\*\*\*

\*\*\*At 89.357376 In A\_input(): BASE at 3\*\*\*

EVENT time: 96.077148, type: 0, timerinterrupt entity: 0

\*\*\*At 96.077148 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 96.077148 In A\_sendPacket(): Sending pkt3 : ddddddddddddddddddd\*\*\*

TOLAYER3: packet being corrupted

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 96.077148 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

\*\*\*At 96.077148 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

\*\*\*At 96.077148 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

TOLAYER3: packet being lost

\*\*\*At 96.077148 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 102.356033, type: 1, fromlayer5 entity: 0

\*\*\*At 102.356033 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

EVENT time: 105.712120, type: 2, fromlayer3 entity: 1

\*\*\*At 105.712120 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 111.793449, type: 2, fromlayer3 entity: 1

\*\*\*At 111.793449 In B\_input(): Duplicate pkt4 received\*\*\*

EVENT time: 113.900024, type: 0, timerinterrupt entity: 1

\*\*\*At 113.900024 In B\_timerInterrupt(): Sending cumulative ack2.\*\*\*

EVENT time: 116.345161, type: 2, fromlayer3 entity: 1

\*\*\*At 116.345161 In B\_input(): Duplicate pkt5 received\*\*\*

EVENT time: 116.766106, type: 2, fromlayer3 entity: 0

\*\*\*At 116.766106 In A\_input(): NACK received:2. Doing fast retransmit\*\*\*

\*\*\*At 116.766106 In A\_sendPacket(): Sending pkt3 : ddddddddddddddddddd\*\*\*

TOLAYER3: packet being lost

\*\*\*At 116.766106 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 116.766106 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

TOLAYER3: packet being lost

\*\*\*At 116.766106 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

TOLAYER3: packet being lost

\*\*\*At 116.766106 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

\*\*\*At 116.766106 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

EVENT time: 121.068153, type: 1, fromlayer5 entity: 0

\*\*\*At 121.068153 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

TOLAYER3: packet being lost

EVENT time: 122.658165, type: 1, fromlayer5 entity: 0

EVENT time: 124.056915, type: 2, fromlayer3 entity: 1

\*\*\*At 124.056915 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 133.159576, type: 2, fromlayer3 entity: 1

\*\*\*At 133.159576 In B\_input(): Duplicate pkt0 received\*\*\*

EVENT time: 141.345154, type: 0, timerinterrupt entity: 1

\*\*\*At 141.345154 In B\_timerInterrupt(): Sending cumulative ack2.\*\*\*

TOLAYER3: packet being lost

EVENT time: 142.210159, type: 1, fromlayer5 entity: 0

EVENT time: 142.683304, type: 2, fromlayer3 entity: 1

\*\*\*At 142.683304 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 143.843979, type: 2, fromlayer3 entity: 1

\*\*\*At 143.843979 In B\_input(): Duplicate pkt7 received\*\*\*

EVENT time: 148.040268, type: 2, fromlayer3 entity: 1

\*\*\*At 148.040268 In B\_input(): Duplicate pkt0 received\*\*\*

EVENT time: 153.548401, type: 1, fromlayer5 entity: 0

EVENT time: 156.766113, type: 0, timerinterrupt entity: 0

\*\*\*At 156.766113 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 156.766113 In A\_sendPacket(): Sending pkt3 : ddddddddddddddddddd\*\*\*

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 156.766113 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 156.766113 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

TOLAYER3: packet being lost

\*\*\*At 156.766113 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

\*\*\*At 156.766113 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

\*\*\*At 156.766113 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

\*\*\*At 156.766113 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 156.998215, type: 1, fromlayer5 entity: 0

EVENT time: 162.684021, type: 2, fromlayer3 entity: 1

\*\*\*At 162.684021 In B\_input(): Correct packet received. pkt3 : ddddddddddddddddddd\*\*\*

EVENT time: 167.529541, type: 1, fromlayer5 entity: 0

EVENT time: 167.683304, type: 0, timerinterrupt entity: 1

\*\*\*At 167.683304 In B\_timerInterrupt(): Sending cumulative ack3.\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 170.078812, type: 2, fromlayer3 entity: 1

\*\*\*At 170.078812 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 174.052216, type: 2, fromlayer3 entity: 0

\*\*\*At 174.052216 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 174.761536, type: 2, fromlayer3 entity: 1

\*\*\*At 174.761536 In B\_input(): Duplicate pkt6 received\*\*\*

EVENT time: 177.730072, type: 2, fromlayer3 entity: 1

\*\*\*At 177.730072 In B\_input(): Duplicate pkt7 received\*\*\*

EVENT time: 180.905807, type: 1, fromlayer5 entity: 0

EVENT time: 183.884735, type: 2, fromlayer3 entity: 1

\*\*\*At 183.884735 In B\_input(): Duplicate pkt0 received\*\*\*

EVENT time: 192.546280, type: 2, fromlayer3 entity: 1

\*\*\*At 192.546280 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 195.078812, type: 0, timerinterrupt entity: 1

\*\*\*At 195.078812 In B\_timerInterrupt(): Sending cumulative ack3.\*\*\*

EVENT time: 195.721329, type: 1, fromlayer5 entity: 0

EVENT time: 195.780533, type: 1, fromlayer5 entity: 0

EVENT time: 196.766113, type: 0, timerinterrupt entity: 0

\*\*\*At 196.766113 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 196.766113 In A\_sendPacket(): Sending pkt3 : ddddddddddddddddddd\*\*\*

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 196.766113 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being lost

\*\*\*At 196.766113 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 196.766113 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

\*\*\*At 196.766113 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

TOLAYER3: packet being lost

\*\*\*At 196.766113 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

\*\*\*At 196.766113 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

EVENT time: 200.343048, type: 1, fromlayer5 entity: 0

EVENT time: 201.314499, type: 2, fromlayer3 entity: 0

\*\*\*At 201.314499 In A\_input(): ACK received for pkt3\*\*\*

\*\*\*At 201.314499 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

\*\*\*At 201.314499 In A\_input(): BASE at 4\*\*\*

EVENT time: 203.207260, type: 2, fromlayer3 entity: 1

\*\*\*At 203.207260 In B\_input(): Duplicate pkt3 received\*\*\*

EVENT time: 208.514069, type: 1, fromlayer5 entity: 0

EVENT time: 211.865509, type: 2, fromlayer3 entity: 1

\*\*\*At 211.865509 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 212.915222, type: 2, fromlayer3 entity: 1

\*\*\*At 212.915222 In B\_input(): Duplicate pkt6 received\*\*\*

EVENT time: 217.000275, type: 2, fromlayer3 entity: 1

\*\*\*At 217.000275 In B\_input(): Duplicate pkt0 received\*\*\*

EVENT time: 218.011536, type: 2, fromlayer3 entity: 1

\*\*\*At 218.011536 In B\_input(): Duplicate pkt1 received\*\*\*

EVENT time: 222.382797, type: 2, fromlayer3 entity: 1

\*\*\*At 222.382797 In B\_input(): Duplicate pkt2 received\*\*\*

EVENT time: 228.207260, type: 0, timerinterrupt entity: 1

\*\*\*At 228.207260 In B\_timerInterrupt(): Sending cumulative ack3.\*\*\*

EVENT time: 231.749847, type: 2, fromlayer3 entity: 0

\*\*\*At 231.749847 In A\_input(): NACK received:3. Doing fast retransmit\*\*\*

\*\*\*At 231.749847 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

\*\*\*At 231.749847 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

TOLAYER3: packet being lost

\*\*\*At 231.749847 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

\*\*\*At 231.749847 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

TOLAYER3: packet being lost

\*\*\*At 231.749847 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 231.749847 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

\*\*\*At 231.749847 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

EVENT time: 241.685303, type: 2, fromlayer3 entity: 1

\*\*\*At 241.685303 In B\_input(): Correct packet received. pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

EVENT time: 250.715454, type: 2, fromlayer3 entity: 1

\*\*\*At 250.715454 In B\_input(): Duplicate pkt6 received\*\*\*

EVENT time: 254.795563, type: 2, fromlayer3 entity: 1

\*\*\*At 254.795563 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 259.332184, type: 2, fromlayer3 entity: 1

\*\*\*At 259.332184 In B\_input(): Duplicate pkt1 received\*\*\*

EVENT time: 266.685303, type: 0, timerinterrupt entity: 1

\*\*\*At 266.685303 In B\_timerInterrupt(): Sending cumulative ack4.\*\*\*

TOLAYER3: packet being lost

EVENT time: 268.489502, type: 2, fromlayer3 entity: 1

\*\*\*At 268.489502 In B\_input(): Duplicate pkt2 received\*\*\*

EVENT time: 271.749847, type: 0, timerinterrupt entity: 0

\*\*\*At 271.749847 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 271.749847 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being lost

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 271.749847 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

\*\*\*At 271.749847 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 271.749847 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

\*\*\*At 271.749847 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

TOLAYER3: packet being lost

\*\*\*At 271.749847 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

\*\*\*At 271.749847 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

EVENT time: 281.338409, type: 2, fromlayer3 entity: 1

\*\*\*At 281.338409 In B\_input(): Correct packet received. pkt5 : fffffffffffffffffff\*\*\*

EVENT time: 285.824738, type: 2, fromlayer3 entity: 1

\*\*\*At 285.824738 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 289.118744, type: 2, fromlayer3 entity: 1

\*\*\*At 289.118744 In B\_input(): Duplicate pkt7 received\*\*\*

EVENT time: 292.940948, type: 2, fromlayer3 entity: 1

\*\*\*At 292.940948 In B\_input(): Duplicate pkt1 received\*\*\*

EVENT time: 293.489502, type: 0, timerinterrupt entity: 1

\*\*\*At 293.489502 In B\_timerInterrupt(): Sending cumulative ack5.\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 295.333557, type: 2, fromlayer3 entity: 0

\*\*\*At 295.333557 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 299.762787, type: 2, fromlayer3 entity: 1

\*\*\*At 299.762787 In B\_input(): Duplicate pkt2 received\*\*\*

EVENT time: 311.749847, type: 0, timerinterrupt entity: 0

\*\*\*At 311.749847 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 311.749847 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being corrupted

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 311.749847 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

\*\*\*At 311.749847 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

\*\*\*At 311.749847 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 311.749847 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

TOLAYER3: packet being lost

\*\*\*At 311.749847 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

\*\*\*At 311.749847 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

TOLAYER3: packet being lost

EVENT time: 320.078217, type: 2, fromlayer3 entity: 1

\*\*\*At 320.078217 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 324.762787, type: 0, timerinterrupt entity: 1

\*\*\*At 324.762787 In B\_timerInterrupt(): Sending cumulative ack5.\*\*\*

TOLAYER3: packet being lost

EVENT time: 326.428436, type: 2, fromlayer3 entity: 1

\*\*\*At 326.428436 In B\_input(): Duplicate pkt5 received\*\*\*

EVENT time: 335.817017, type: 2, fromlayer3 entity: 1

\*\*\*At 335.817017 In B\_input(): Correct packet received. pkt6 : ggggggggggggggggggg\*\*\*

EVENT time: 344.736755, type: 2, fromlayer3 entity: 1

\*\*\*At 344.736755 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 351.428436, type: 0, timerinterrupt entity: 1

\*\*\*At 351.428436 In B\_timerInterrupt(): Sending cumulative ack6.\*\*\*

EVENT time: 351.559967, type: 2, fromlayer3 entity: 1

\*\*\*At 351.559967 In B\_input(): Duplicate pkt1 received\*\*\*

EVENT time: 351.749847, type: 0, timerinterrupt entity: 0

\*\*\*At 351.749847 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 351.749847 In A\_sendPacket(): Sending pkt4 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being lost

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 351.749847 In A\_sendPacket(): Sending pkt5 : fffffffffffffffffff\*\*\*

\*\*\*At 351.749847 In A\_sendPacket(): Sending pkt6 : ggggggggggggggggggg\*\*\*

\*\*\*At 351.749847 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

TOLAYER3: packet being lost

\*\*\*At 351.749847 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

TOLAYER3: packet being lost

\*\*\*At 351.749847 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

\*\*\*At 351.749847 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 356.353485, type: 2, fromlayer3 entity: 1

\*\*\*At 356.353485 In B\_input(): Duplicate pkt5 received\*\*\*

EVENT time: 357.287567, type: 2, fromlayer3 entity: 0

\*\*\*At 357.287567 In A\_input(): ACK received for pkt6\*\*\*

\*\*\*At 357.287567 In A\_sendPacket(): Sending pkt3 : lllllllllllllllllll\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 357.287567 In A\_sendPacket(): Sending pkt4 : mmmmmmmmmmmmmmmmmmm\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 357.287567 In A\_sendPacket(): Sending pkt5 : nnnnnnnnnnnnnnnnnnn\*\*\*

\*\*\*At 357.287567 In A\_input(): BASE at 7\*\*\*

EVENT time: 358.726257, type: 2, fromlayer3 entity: 1

\*\*\*At 358.726257 In B\_input(): Duplicate pkt6 received\*\*\*

EVENT time: 362.029877, type: 2, fromlayer3 entity: 1

\*\*\*At 362.029877 In B\_input(): Duplicate pkt1 received\*\*\*

EVENT time: 370.256348, type: 2, fromlayer3 entity: 1

\*\*\*At 370.256348 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 373.690155, type: 2, fromlayer3 entity: 1

\*\*\*At 373.690155 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 376.559967, type: 0, timerinterrupt entity: 1

\*\*\*At 376.559967 In B\_timerInterrupt(): Sending cumulative ack6.\*\*\*

EVENT time: 379.151123, type: 2, fromlayer3 entity: 0

\*\*\*At 379.151123 In A\_input(): NACK received:6. Doing fast retransmit\*\*\*

\*\*\*At 379.151123 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

\*\*\*At 379.151123 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

\*\*\*At 379.151123 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

\*\*\*At 379.151123 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

\*\*\*At 379.151123 In A\_sendPacket(): Sending pkt3 : lllllllllllllllllll\*\*\*

\*\*\*At 379.151123 In A\_sendPacket(): Sending pkt4 : mmmmmmmmmmmmmmmmmmm\*\*\*

\*\*\*At 379.151123 In A\_sendPacket(): Sending pkt5 : nnnnnnnnnnnnnnnnnnn\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 380.859985, type: 2, fromlayer3 entity: 1

\*\*\*At 380.859985 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 383.338226, type: 2, fromlayer3 entity: 1

\*\*\*At 383.338226 In B\_input(): Duplicate pkt5 received\*\*\*

EVENT time: 385.501434, type: 2, fromlayer3 entity: 1

\*\*\*At 385.501434 In B\_input(): Correct packet received. pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

EVENT time: 393.056915, type: 2, fromlayer3 entity: 1

\*\*\*At 393.056915 In B\_input(): Correct packet received. pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

EVENT time: 401.411102, type: 2, fromlayer3 entity: 1

\*\*\*At 401.411102 In B\_input(): Correct packet received. pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

EVENT time: 405.553009, type: 2, fromlayer3 entity: 1

\*\*\*At 405.553009 In B\_input(): Correct packet received. pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

EVENT time: 405.859985, type: 0, timerinterrupt entity: 1

\*\*\*At 405.859985 In B\_timerInterrupt(): Sending cumulative ack2.\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 408.743378, type: 2, fromlayer3 entity: 0

\*\*\*At 408.743378 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 409.797913, type: 2, fromlayer3 entity: 1

\*\*\*At 409.797913 In B\_input(): Correct packet received. pkt3 : lllllllllllllllllll\*\*\*

EVENT time: 418.122162, type: 2, fromlayer3 entity: 1

\*\*\*At 418.122162 In B\_input(): Correct packet received. pkt4 : mmmmmmmmmmmmmmmmmmm\*\*\*

EVENT time: 419.151123, type: 0, timerinterrupt entity: 0

\*\*\*At 419.151123 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 419.151123 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 419.151123 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

\*\*\*At 419.151123 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

\*\*\*At 419.151123 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

TOLAYER3: packet being lost

\*\*\*At 419.151123 In A\_sendPacket(): Sending pkt3 : lllllllllllllllllll\*\*\*

TOLAYER3: packet being lost

\*\*\*At 419.151123 In A\_sendPacket(): Sending pkt4 : mmmmmmmmmmmmmmmmmmm\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 419.151123 In A\_sendPacket(): Sending pkt5 : nnnnnnnnnnnnnnnnnnn\*\*\*

TOLAYER3: packet being lost

EVENT time: 424.447662, type: 2, fromlayer3 entity: 1

\*\*\*At 424.447662 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 427.995758, type: 2, fromlayer3 entity: 1

\*\*\*At 427.995758 In B\_input(): Duplicate pkt7 received\*\*\*

EVENT time: 434.745087, type: 2, fromlayer3 entity: 1

\*\*\*At 434.745087 In B\_input(): Duplicate pkt0 received\*\*\*

EVENT time: 434.797913, type: 0, timerinterrupt entity: 1

\*\*\*At 434.797913 In B\_timerInterrupt(): Sending cumulative ack4.\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 437.052582, type: 2, fromlayer3 entity: 0

\*\*\*At 437.052582 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 443.969147, type: 2, fromlayer3 entity: 1

\*\*\*At 443.969147 In B\_input(): Duplicate pkt1 received\*\*\*

EVENT time: 447.743011, type: 2, fromlayer3 entity: 1

\*\*\*At 447.743011 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 459.151123, type: 0, timerinterrupt entity: 0

\*\*\*At 459.151123 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 459.151123 In A\_sendPacket(): Sending pkt7 : hhhhhhhhhhhhhhhhhhh\*\*\*

TOLAYER3: packet being corrupted

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 459.151123 In A\_sendPacket(): Sending pkt0 : iiiiiiiiiiiiiiiiiii\*\*\*

\*\*\*At 459.151123 In A\_sendPacket(): Sending pkt1 : jjjjjjjjjjjjjjjjjjj\*\*\*

TOLAYER3: packet being lost

\*\*\*At 459.151123 In A\_sendPacket(): Sending pkt2 : kkkkkkkkkkkkkkkkkkk\*\*\*

\*\*\*At 459.151123 In A\_sendPacket(): Sending pkt3 : lllllllllllllllllll\*\*\*

\*\*\*At 459.151123 In A\_sendPacket(): Sending pkt4 : mmmmmmmmmmmmmmmmmmm\*\*\*

TOLAYER3: packet being lost

\*\*\*At 459.151123 In A\_sendPacket(): Sending pkt5 : nnnnnnnnnnnnnnnnnnn\*\*\*

EVENT time: 467.462463, type: 2, fromlayer3 entity: 1

\*\*\*At 467.462463 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 468.969147, type: 0, timerinterrupt entity: 1

\*\*\*At 468.969147 In B\_timerInterrupt(): Sending cumulative ack4.\*\*\*

EVENT time: 470.076691, type: 2, fromlayer3 entity: 1

\*\*\*At 470.076691 In B\_input(): Duplicate pkt0 received\*\*\*

EVENT time: 475.528961, type: 2, fromlayer3 entity: 0

\*\*\*At 475.528961 In A\_input(): ACK received for pkt4\*\*\*

\*\*\*At 475.528961 In A\_sendPacket(): Sending pkt6 : ooooooooooooooooooo\*\*\*

\*\*\*At 475.528961 In A\_sendPacket(): Sending pkt7 : ppppppppppppppppppp\*\*\*

\*\*\*At 475.528961 In A\_sendPacket(): Sending pkt0 : qqqqqqqqqqqqqqqqqqq\*\*\*

\*\*\*At 475.528961 In A\_sendPacket(): Sending pkt1 : rrrrrrrrrrrrrrrrrrr\*\*\*

\*\*\*At 475.528961 In A\_sendPacket(): Sending pkt2 : sssssssssssssssssss\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 475.528961 In A\_sendPacket(): Sending pkt3 : ttttttttttttttttttt\*\*\*

\*\*\*At 475.528961 In A\_input(): BASE at 5\*\*\*

EVENT time: 476.164612, type: 2, fromlayer3 entity: 1

\*\*\*At 476.164612 In B\_input(): Duplicate pkt2 received\*\*\*

EVENT time: 485.411743, type: 2, fromlayer3 entity: 1

\*\*\*At 485.411743 In B\_input(): Duplicate pkt3 received\*\*\*

EVENT time: 489.988464, type: 2, fromlayer3 entity: 1

\*\*\*At 489.988464 In B\_input(): Correct packet received. pkt5 : nnnnnnnnnnnnnnnnnnn\*\*\*

EVENT time: 494.857697, type: 2, fromlayer3 entity: 1

\*\*\*At 494.857697 In B\_input(): Correct packet received. pkt6 : ooooooooooooooooooo\*\*\*

EVENT time: 495.076691, type: 0, timerinterrupt entity: 1

\*\*\*At 495.076691 In B\_timerInterrupt(): Sending cumulative ack6.\*\*\*

EVENT time: 499.151123, type: 0, timerinterrupt entity: 0

\*\*\*At 499.151123 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 499.151123 In A\_sendPacket(): Sending pkt5 : nnnnnnnnnnnnnnnnnnn\*\*\*

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 499.151123 In A\_sendPacket(): Sending pkt6 : ooooooooooooooooooo\*\*\*

TOLAYER3: packet being corrupted

\*\*\*At 499.151123 In A\_sendPacket(): Sending pkt7 : ppppppppppppppppppp\*\*\*

\*\*\*At 499.151123 In A\_sendPacket(): Sending pkt0 : qqqqqqqqqqqqqqqqqqq\*\*\*

\*\*\*At 499.151123 In A\_sendPacket(): Sending pkt1 : rrrrrrrrrrrrrrrrrrr\*\*\*

\*\*\*At 499.151123 In A\_sendPacket(): Sending pkt2 : sssssssssssssssssss\*\*\*

\*\*\*At 499.151123 In A\_sendPacket(): Sending pkt3 : ttttttttttttttttttt\*\*\*

EVENT time: 499.192963, type: 2, fromlayer3 entity: 1

\*\*\*At 499.192963 In B\_input(): Correct packet received. pkt7 : ppppppppppppppppppp\*\*\*

EVENT time: 499.398773, type: 2, fromlayer3 entity: 0

\*\*\*At 499.398773 In A\_input(): ACK received for pkt6\*\*\*

\*\*\*At 499.398773 In A\_input(): BASE at 7\*\*\*

EVENT time: 506.444916, type: 2, fromlayer3 entity: 1

\*\*\*At 506.444916 In B\_input(): Correct packet received. pkt0 : qqqqqqqqqqqqqqqqqqq\*\*\*

EVENT time: 512.047241, type: 2, fromlayer3 entity: 1

\*\*\*At 512.047241 In B\_input(): Correct packet received. pkt1 : rrrrrrrrrrrrrrrrrrr\*\*\*

EVENT time: 514.570801, type: 2, fromlayer3 entity: 1

\*\*\*At 514.570801 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 518.855530, type: 2, fromlayer3 entity: 1

\*\*\*At 518.855530 In B\_input(): Duplicate pkt3 received\*\*\*

EVENT time: 524.192993, type: 0, timerinterrupt entity: 1

\*\*\*At 524.192993 In B\_timerInterrupt(): Sending cumulative ack1.\*\*\*

EVENT time: 524.743774, type: 2, fromlayer3 entity: 1

\*\*\*At 524.743774 In B\_input(): Duplicate pkt5 received\*\*\*

EVENT time: 528.293701, type: 2, fromlayer3 entity: 0

\*\*\*At 528.293701 In A\_input(): ACK received for pkt1\*\*\*

\*\*\*At 528.293701 In A\_input(): BASE at 2\*\*\*

EVENT time: 530.891052, type: 2, fromlayer3 entity: 1

\*\*\*At 530.891052 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 533.079529, type: 2, fromlayer3 entity: 1

\*\*\*At 533.079529 In B\_input(): Duplicate pkt7 received\*\*\*

EVENT time: 539.151123, type: 0, timerinterrupt entity: 0

\*\*\*At 539.151123 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 539.151123 In A\_sendPacket(): Sending pkt2 : sssssssssssssssssss\*\*\*

TOLAYER3: packet being lost

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 539.151123 In A\_sendPacket(): Sending pkt3 : ttttttttttttttttttt\*\*\*

TOLAYER3: packet being lost

EVENT time: 540.067261, type: 2, fromlayer3 entity: 1

\*\*\*At 540.067261 In B\_input(): Duplicate pkt0 received\*\*\*

EVENT time: 545.481140, type: 2, fromlayer3 entity: 1

\*\*\*At 545.481140 In B\_input(): Duplicate pkt1 received\*\*\*

EVENT time: 549.743774, type: 0, timerinterrupt entity: 1

\*\*\*At 549.743774 In B\_timerInterrupt(): Sending cumulative ack1.\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 553.097656, type: 2, fromlayer3 entity: 0

\*\*\*At 553.097656 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 555.119141, type: 2, fromlayer3 entity: 1

\*\*\*At 555.119141 In B\_input(): Correct packet received. pkt2 : sssssssssssssssssss\*\*\*

EVENT time: 564.850769, type: 2, fromlayer3 entity: 1

\*\*\*At 564.850769 In B\_input(): Correct packet received. pkt3 : ttttttttttttttttttt\*\*\*

EVENT time: 579.151123, type: 0, timerinterrupt entity: 0

\*\*\*At 579.151123 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkts\*\*\*

\*\*\*At 579.151123 In A\_sendPacket(): Sending pkt2 : sssssssssssssssssss\*\*\*

TOLAYER3: packet being lost

Warning: unable to cancel your timer. It wasn't running.

\*\*\*At 579.151123 In A\_sendPacket(): Sending pkt3 : ttttttttttttttttttt\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 580.119141, type: 0, timerinterrupt entity: 1

\*\*\*At 580.119141 In B\_timerInterrupt(): Sending cumulative ack3.\*\*\*

EVENT time: 582.603882, type: 2, fromlayer3 entity: 1

\*\*\*At 582.603882 In B\_input(): Corrupt packet received\*\*\*

EVENT time: 584.535706, type: 2, fromlayer3 entity: 0

\*\*\*At 584.535706 In A\_input(): ACK received for pkt3\*\*\*

\*\*\*At 584.535706 In A\_input(): BASE at 4\*\*\*

EVENT time: 607.603882, type: 0, timerinterrupt entity: 1

\*\*\*At 607.603882 In B\_timerInterrupt(): Sending cumulative ack3.\*\*\*

EVENT time: 610.888306, type: 2, fromlayer3 entity: 0

\*\*\*At 610.888306 In A\_input(): NACK received:3. Doing fast retransmit\*\*\*

Simulator terminated at time 610.888306

after sending 20 msgs from layer5

A\_ackReceived = 8

A\_dropped = 0

A\_corruptReceived = 5

A\_timeoutOccurred = 12

A\_nackReceived = 4

B\_correctlyReceived = 20

B\_corruptReceived = 20

B\_duplicateReceived = 43

Process finished with exit code 0