"D:\Drive\L-3 T-2\CSE 322 - Computer Networks Sessional\Assignment 4 - RDT\CSE\_322\_Assignment4\_RDT\RDT\_ABP2\cmake-build-debug\RDT\_ABP2.exe"

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

Enter the number of messages to simulate:10

10

Enter packet loss probability [enter 0.0 for no loss]:.1

.1

Enter packet corruption probability [0.0 for no corruption]:.3

.3

Enter average time between messages from sender's layer5 [ > 0.0]:1000

1000

Enter TRACE:2

2

EVENT time: 93.569748, type: 1, fromlayer5 entity: 0

\*\*\*At 93.569748 In A\_output(): Sending pkt0 : aaaaaaaaaaaaaaaaaaa\*\*\*

EVENT time: 99.062195, type: 2, fromlayer3 entity: 1

\*\*\*At 99.062195 In B\_input(): Correct packet received. pkt0 : aaaaaaaaaaaaaaaaaaa\*\*\*

EVENT time: 101.561325, type: 2, fromlayer3 entity: 0

\*\*\*At 101.561325 In A\_input(): ACK received for pkt0\*\*\*

EVENT time: 1607.715088, type: 1, fromlayer5 entity: 0

\*\*\*At 1607.715088 In A\_output(): Sending pkt1 : bbbbbbbbbbbbbbbbbbb\*\*\*

EVENT time: 1609.116333, type: 2, fromlayer3 entity: 1

\*\*\*At 1609.116333 In B\_input(): Correct packet received. pkt1 : bbbbbbbbbbbbbbbbbbb\*\*\*

EVENT time: 1614.552979, type: 2, fromlayer3 entity: 0

\*\*\*At 1614.552979 In A\_input(): ACK received for pkt1\*\*\*

EVENT time: 2322.031250, type: 1, fromlayer5 entity: 0

\*\*\*At 2322.031250 In A\_output(): Sending pkt0 : ccccccccccccccccccc\*\*\*

EVENT time: 2325.527344, type: 2, fromlayer3 entity: 1

\*\*\*At 2325.527344 In B\_input(): Correct packet received. pkt0 : ccccccccccccccccccc\*\*\*

EVENT time: 2328.412354, type: 2, fromlayer3 entity: 0

\*\*\*At 2328.412354 In A\_input(): ACK received for pkt0\*\*\*

EVENT time: 3332.804199, type: 1, fromlayer5 entity: 0

\*\*\*At 3332.804199 In A\_output(): Sending pkt1 : ddddddddddddddddddd\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 3337.380615, type: 2, fromlayer3 entity: 1

\*\*\*At 3337.380615 In B\_input(): Corrupt packet received, sending NACK\*\*\*

EVENT time: 3341.256836, type: 2, fromlayer3 entity: 0

\*\*\*At 3341.256836 In A\_input(): NACK received for pkt1\*\*\*

EVENT time: 3357.804199, type: 0, timerinterrupt entity: 0

\*\*\*At 3357.804199 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: ddddddddddddddddddd\*\*\*

EVENT time: 3363.365479, type: 2, fromlayer3 entity: 1

\*\*\*At 3363.365479 In B\_input(): Correct packet received. pkt1 : ddddddddddddddddddd\*\*\*

TOLAYER3: packet being lost

EVENT time: 3382.804199, type: 0, timerinterrupt entity: 0

\*\*\*At 3382.804199 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: ddddddddddddddddddd\*\*\*

EVENT time: 3388.751709, type: 2, fromlayer3 entity: 1

\*\*\*At 3388.751709 In B\_input(): Duplicate packet received, sending ACK again\*\*\*

EVENT time: 3390.949463, type: 2, fromlayer3 entity: 0

\*\*\*At 3390.949463 In A\_input(): ACK received for pkt1\*\*\*

EVENT time: 5057.893555, type: 1, fromlayer5 entity: 0

\*\*\*At 5057.893555 In A\_output(): Sending pkt0 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 5058.931152, type: 1, fromlayer5 entity: 0

\*\*\*At 5058.931152 In A\_output(): Last packet not acked yet. dropping message : fffffffffffffffffff\*\*\*

EVENT time: 5062.472656, type: 2, fromlayer3 entity: 1

\*\*\*At 5062.472656 In B\_input(): Corrupt packet received, sending NACK\*\*\*

EVENT time: 5064.000000, type: 2, fromlayer3 entity: 0

\*\*\*At 5064.000000 In A\_input(): NACK received for pkt0\*\*\*

EVENT time: 5082.893555, type: 0, timerinterrupt entity: 0

\*\*\*At 5082.893555 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt0: eeeeeeeeeeeeeeeeeee\*\*\*

EVENT time: 5084.813477, type: 2, fromlayer3 entity: 1

\*\*\*At 5084.813477 In B\_input(): Correct packet received. pkt0 : eeeeeeeeeeeeeeeeeee\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 5094.448242, type: 2, fromlayer3 entity: 0

\*\*\*At 5094.448242 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 5107.893555, type: 0, timerinterrupt entity: 0

\*\*\*At 5107.893555 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt0: eeeeeeeeeeeeeeeeeee\*\*\*

EVENT time: 5113.975098, type: 2, fromlayer3 entity: 1

\*\*\*At 5113.975098 In B\_input(): Duplicate packet received, sending ACK again\*\*\*

EVENT time: 5118.526855, type: 2, fromlayer3 entity: 0

\*\*\*At 5118.526855 In A\_input(): ACK received for pkt0\*\*\*

EVENT time: 6557.268066, type: 1, fromlayer5 entity: 0

\*\*\*At 6557.268066 In A\_output(): Sending pkt1 : ggggggggggggggggggg\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 6564.979980, type: 2, fromlayer3 entity: 1

\*\*\*At 6564.979980 In B\_input(): Corrupt packet received, sending NACK\*\*\*

EVENT time: 6570.675781, type: 2, fromlayer3 entity: 0

\*\*\*At 6570.675781 In A\_input(): NACK received for pkt1\*\*\*

EVENT time: 6582.268066, type: 0, timerinterrupt entity: 0

\*\*\*At 6582.268066 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: ggggggggggggggggggg\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 6590.121582, type: 2, fromlayer3 entity: 1

\*\*\*At 6590.121582 In B\_input(): Corrupt packet received, sending NACK\*\*\*

EVENT time: 6597.982422, type: 2, fromlayer3 entity: 0

\*\*\*At 6597.982422 In A\_input(): NACK received for pkt1\*\*\*

EVENT time: 6607.268066, type: 0, timerinterrupt entity: 0

\*\*\*At 6607.268066 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: ggggggggggggggggggg\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 6609.269043, type: 2, fromlayer3 entity: 1

\*\*\*At 6609.269043 In B\_input(): Corrupt packet received, sending NACK\*\*\*

EVENT time: 6610.429688, type: 2, fromlayer3 entity: 0

\*\*\*At 6610.429688 In A\_input(): NACK received for pkt1\*\*\*

EVENT time: 6632.268066, type: 0, timerinterrupt entity: 0

\*\*\*At 6632.268066 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: ggggggggggggggggggg\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 6636.464355, type: 2, fromlayer3 entity: 1

\*\*\*At 6636.464355 In B\_input(): Corrupt packet received, sending NACK\*\*\*

TOLAYER3: packet being lost

EVENT time: 6657.268066, type: 0, timerinterrupt entity: 0

\*\*\*At 6657.268066 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: ggggggggggggggggggg\*\*\*

EVENT time: 6658.811523, type: 2, fromlayer3 entity: 1

\*\*\*At 6658.811523 In B\_input(): Correct packet received. pkt1 : ggggggggggggggggggg\*\*\*

EVENT time: 6662.600586, type: 2, fromlayer3 entity: 0

\*\*\*At 6662.600586 In A\_input(): ACK received for pkt1\*\*\*

EVENT time: 6854.091309, type: 1, fromlayer5 entity: 0

\*\*\*At 6854.091309 In A\_output(): Sending pkt0 : hhhhhhhhhhhhhhhhhhh\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 6861.486328, type: 2, fromlayer3 entity: 1

\*\*\*At 6861.486328 In B\_input(): Corrupt packet received, sending NACK\*\*\*

TOLAYER3: packet being lost

EVENT time: 6879.091309, type: 0, timerinterrupt entity: 0

\*\*\*At 6879.091309 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt0: hhhhhhhhhhhhhhhhhhh\*\*\*

EVENT time: 6883.773926, type: 2, fromlayer3 entity: 1

\*\*\*At 6883.773926 In B\_input(): Correct packet received. pkt0 : hhhhhhhhhhhhhhhhhhh\*\*\*

EVENT time: 6886.742676, type: 2, fromlayer3 entity: 0

\*\*\*At 6886.742676 In A\_input(): ACK received for pkt0\*\*\*

EVENT time: 8567.888672, type: 1, fromlayer5 entity: 0

\*\*\*At 8567.888672 In A\_output(): Sending pkt1 : iiiiiiiiiiiiiiiiiii\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 8575.871094, type: 2, fromlayer3 entity: 1

\*\*\*At 8575.871094 In B\_input(): Corrupt packet received, sending NACK\*\*\*

TOLAYER3: packet being lost

EVENT time: 8592.888672, type: 0, timerinterrupt entity: 0

\*\*\*At 8592.888672 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: iiiiiiiiiiiiiiiiiii\*\*\*

EVENT time: 8598.627930, type: 2, fromlayer3 entity: 1

\*\*\*At 8598.627930 In B\_input(): Correct packet received. pkt1 : iiiiiiiiiiiiiiiiiii\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 8604.997070, type: 2, fromlayer3 entity: 0

\*\*\*At 8604.997070 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 8617.888672, type: 0, timerinterrupt entity: 0

\*\*\*At 8617.888672 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: iiiiiiiiiiiiiiiiiii\*\*\*

EVENT time: 8623.325195, type: 2, fromlayer3 entity: 1

\*\*\*At 8623.325195 In B\_input(): Duplicate packet received, sending ACK again\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 8624.351563, type: 2, fromlayer3 entity: 0

\*\*\*At 8624.351563 In A\_input(): Corrupt packet received\*\*\*

EVENT time: 8642.888672, type: 0, timerinterrupt entity: 0

\*\*\*At 8642.888672 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt1: iiiiiiiiiiiiiiiiiii\*\*\*

TOLAYER3: packet being corrupted

EVENT time: 8651.395508, type: 2, fromlayer3 entity: 1

\*\*\*At 8651.395508 In B\_input(): Corrupt packet received, sending NACK\*\*\*

EVENT time: 8652.738281, type: 2, fromlayer3 entity: 0

\*\*\*At 8652.738281 In A\_input(): ACK received for pkt1\*\*\*

EVENT time: 9351.054688, type: 1, fromlayer5 entity: 0

\*\*\*At 9351.054688 In A\_output(): Sending pkt0 : jjjjjjjjjjjjjjjjjjj\*\*\*

EVENT time: 9352.104492, type: 2, fromlayer3 entity: 1

\*\*\*At 9352.104492 In B\_input(): Correct packet received. pkt0 : jjjjjjjjjjjjjjjjjjj\*\*\*

TOLAYER3: packet being lost

EVENT time: 9376.054688, type: 0, timerinterrupt entity: 0

\*\*\*At 9376.054688 In A\_timerInterrupt(): Timeout occurred. Retransmitting pkt0: jjjjjjjjjjjjjjjjjjj\*\*\*

EVENT time: 9380.139648, type: 2, fromlayer3 entity: 1

\*\*\*At 9380.139648 In B\_input(): Duplicate packet received, sending ACK again\*\*\*

EVENT time: 9381.151367, type: 2, fromlayer3 entity: 0

\*\*\*At 9381.151367 In A\_input(): ACK received for pkt0\*\*\*

Simulator terminated at time 9381.151367

after sending 10 msgs from layer5

A\_ackReceived = 9

A\_dropped = 1

A\_corruptReceived = 3

A\_timeoutOccurred = 13

A\_nackReceived = 5

B\_correctlyReceived = 9

B\_corruptReceived = 9

B\_duplicateReceived = 4

Process finished with exit code 0