

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

Enter the number of messages to simulate: 10

Enter packet loss probability [enter 0.0 for no loss]: 0.1

Enter packet corruption probability [0.0 for no corruption]: 0.3

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

Enter TRACE: 2

Initializing *A*

Initializing *B*

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

*****Data aaaaaaaaaaaaaaaaaa waiting to to be sent****

----A side----

Seq_num-->0

Ack_num-->-1

Checksum-->1842

Data-->aaaaaaaaaaaaaaaaaaaa

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

----B side----

Seq_num-->0

Ack_num-->-1

Data-->aaaaaaaaaaaaaaaaaaaa

packet.Checksum-->1842

B_side.Checksum-->1842

1. Packet 0 received at B successfully!!

2. Acknowledgement Packet 0 sent at A !!

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

3. Acknowledgement Packet 0 received at A successfully!!

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

*****Data bbbbbbbbbbbbbbbbbbbb waiting to to be sent*****

----A side----

Seq_num-->1

Ack_num-->-1

Checksum-->1862

Data-->bbbbbbbbbbbbbbbbbbbb

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

----B side----

Seq_num-->1

Ack_num-->-1

Data-->bbbbbbbbbbbbbbbbbbbb

packet.Checksum-->1862

B_side.Checksum-->1862

1. Packet 1 received at B successfully!!

2. Acknowledgement Packet 1 sent at A !!

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

3. Acknowledgement Packet 1 received at A successfully!!

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

*****Data cccccccccccccccccc waiting to to be sent*****

----A side----

Seq_num-->0

Ack_num-->-1

Checksum-->1880

Data-->cccccccccccccccccc

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

----B side----

Seq_num-->0

Ack_num-->-1

Data-->cccccccccccccccccc

packet.Checksum-->1880

B_side.Checksum-->1880

1. Packet 0 received at B successfully!!

2. Acknowledgement Packet 0 sent at A !!

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

3. Acknowledgement Packet 0 received at A successfully!!

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

*****Data dddddddddddddddddd waiting to to be sent*****

----A side----

Seq_num-->1

Ack_num-->-1

Checksum-->1900

Data-->dddddddddddddddddd

TOLAYER3: packet being corrupted

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

----B side----

Seq_num-->1

Ack_num-->-1

Data-->Zdddddddddddddddddd

packet.Checksum-->1900

B_side.Checksum-->1890

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

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

Negative Acknowledgement Packet Received!!

Will retransmit in the TIMER_INTERRUPT method after timeout....

EVENT time: 3347.804199, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 3353.365479, type: 2, fromlayer3 entity: 1

----B side----

Seq_num--->1

Ack_num--->-1

Data--->dddddddddddddddddd

packet.Checksum--->1900

B_side.Checksum--->1900

1. Packet 1 received at B successfully!!

2. Acknowledgement Packet 1 sent at A !!

TOLAYER3: packet being lost

EVENT time: 3362.804199, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 3368.751709, type: 2, fromlayer3 entity: 1

----B side----

Seq_num--->1

Ack_num--->-1

Data--->dddddddddddddddddd

packet.Checksum--->1900

B_side.Checksum--->1900

1. Packet 1 received at B successfully!!

2. Acknowledgement Packet 1 sent at A !!

EVENT time: 3370.949463, type: 2, fromlayer3 entity: 0

3. Acknowledgement Packet 1 received at A successfully!!

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

*****Data eeeeeeeeeeeeeeeeeee waiting to be sent****

----A side----

Seq_num-->0

Ack_num-->-1

Checksum-->1918

Data-->eeeeeeeeeeeeeeeeee

TOLAYER3: packet being corrupted

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

*****Data ffffffff waiting to to be sent*****

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

----B side----

Seq_num-->0

Ack_num-->-1

Data-->Zeeeeeeeeeeeeeeeeee

packet.Checksum-->1918

B_side.Checksum-->1907

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

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

Negative Acknowledgement Packet Received!!

Will retransmit in the TIMER_INTERRUPT method after timeout.....

EVENT time: 5072.893555, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 5074.813477, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->0

Ack_num-->-1

Data-->eeeeeeeeeeeeeeeeee

packet.Checksum--->1918

B_side.Checksum--->1918

1. Packet 0 received at B successfully!!

2. Acknowledgement Packet 0 sent at A !!

TOLAYER3: packet being corrupted

EVENT time: 5084.448242, type: 2, fromlayer3 entity: 0

Corrupted Acknowledgement Packet received!!

Will retransmit in the TIMER_INTERRUPT method after timeout.....

EVENT time: 5087.893555, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 5093.975098, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->0

Ack_num-->-1

Data-->eeeeeeeeeeeeeeeeeeee

packet.Checksum-->1918

B_side.Checksum-->1918

1. Packet 0 received at B successfully!!

2. Acknowledgement Packet 0 sent at A !!

EVENT time: 5098.526855, type: 2, fromlayer3 entity: 0

3. Acknowledgement Packet 0 received at A successfully!!

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

*****Data gggggggggggggggggg waiting to to be sent*****

----A side----

Seq_num-->1

Ack_num-->-1

Checksum-->1957

Data-->ggggggggggggggggggggg

TOLAYER3: packet being corrupted

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

----B side----

Seq_num-->1

Ack_num-->-1

Data-->Zggggggggggggggggggg

packet.Checksum-->1957

B_side.Checksum-->1944

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

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

Negative Acknowledgement Packet Received!!

Will retransmit in the TIMER_INTERRUPT method after timeout.....

EVENT time: 6572.268066, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

TOLAYER3: packet being corrupted

EVENT time: 6580.121582, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->1

Ack_num-->-1

Data-->Zggggggggggggggggggg

packet.Checksum-->1957

B_side.Checksum-->1944

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

EVENT time: 6587.268066, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

TOLAYER3: packet being corrupted

EVENT time: 6587.982422, type: 2, fromlayer3 entity: 0

Negative Acknowledgement Packet Received!!

Will retransmit in the TIMER_INTERRUPT method after timeout.....

EVENT time: 6589.269043, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->1

Ack_numb--->-1

Data--->Zggggggggggggggggggggggggggggggggggg

packet.Checksum--->1957

B_side.Checksum--->1944

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

EVENT time: 6590.429688, type: 2, fromlayer3 entity: 0

Negative Acknowledgement Packet Received!!

Will retransmit in the TIMER_INTERRUPT method after timeout.....

EVENT time: 6602.268066, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

TOLAYER3: packet being corrupted

EVENT time: 6606.464355, type: 2, fromlayer3 entity: 1

----B side----

Seq_numb--->1

Ack numb--->-1

Data--->Zggggggggggggggggggggggggggggggggggg

packet.Checksum--->1957

B_side.Checksum--->1944

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

TOLAYER3: packet being lost

EVENT time: 6617.268066, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 6618.811523, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->1

Ack_num-->-1

Data-->gggggggggggggggggggg

packet.Checksum-->1957

B_side.Checksum-->1957

1. Packet 1 received at B successfully!!

2. Acknowledgement Packet 1 sent at A !!

EVENT time: 6622.600586, type: 2, fromlayer3 entity: 0

3. Acknowledgement Packet 1 received at A successfully!!

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

*****Data hhhhhhhhhhhhhhhhhh waiting to to be sent*****

----A side----

Seq_num-->0

Ack_num-->-1

Checksum-->1975

Data-->hhhhhhhhhhhhhhhhhhh

TOLAYER3: packet being corrupted

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

----B side----

Seq_num-->0

Ack_num-->-1

Data-->Zhhhhhhhhhhhhhhhhhhh

packet.Checksum-->1975

B_side.Checksum-->1961

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

TOLAYER3: packet being lost

EVENT time: 6869.091309, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 6873.773926, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->0

Ack_num-->-1

Data-->hhhhhhhhhhhhhhhhhh

packet.Checksum-->1975

B_side.Checksum-->1975

1. Packet 0 received at B successfully!!

2. Acknowledgement Packet 0 sent at A !!

EVENT time: 6876.742676, type: 2, fromlayer3 entity: 0

3. Acknowledgement Packet 0 received at A successfully!!

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

*****Data iiiiiiiiiiiiiiiii waiting to to be sent****

----A side----

Seq_num-->1

Ack_num-->-1

Checksum-->1995

Data-->iiiiiiiiiiiiiiii

TOLAYER3: packet being corrupted

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

----B side----

Seq_num-->999999

Ack_num-->-1

Data-->iiiiiiiiiiiiiiii

packet.Checksum-->1995

B_side.Checksum--->1001993

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

TOLAYER3: packet being lost

EVENT time: 8582.888672, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 8588.627930, type: 2, fromlayer3 entity: 1

----B side----

Seq_num--->1

Ack_num--->-1

Data--->iiiiiiiiiiiiiiii

packet.Checksum--->1995

B_side.Checksum--->1995

1. Packet 1 received at B successfully!!

2. Acknowledgement Packet 1 sent at A !!

TOLAYER3: packet being corrupted

EVENT time: 8594.997070, type: 2, fromlayer3 entity: 0

Corrupted Acknowledgement Packet received!!

Will retransmit in the TIMER_INTERRUPT method after timeout.....

EVENT time: 8597.888672, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 8603.325195, type: 2, fromlayer3 entity: 1

----B side----

Seq_num--->1

Ack_num--->-1

Data--->iiiiiiiiiiiiiiii

packet.Checksum--->1995

B_side.Checksum--->1995

1. Packet 1 received at B successfully!!

2. Acknowledgement Packet 1 sent at A !!

TOLAYER3: packet being corrupted

EVENT time: 8604.351563, type: 2, fromlayer3 entity: 0

Corrupted Acknowledgement Packet received!!

Will retransmit in the TIMER_INTERRUPT method after timeout.....

EVENT time: 8612.888672, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

TOLAYER3: packet being corrupted

EVENT time: 8621.395508, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->1

Ack_num-->-1

Data-->Ziiiiiiiiiiiiiiii

packet.Checksum-->1995

B_side.Checksum-->1980

Sending Negative Acknowledgement Packet(NACK) to *A* as Corrupted Packet was received!!!

EVENT time: 8622.738281, type: 2, fromlayer3 entity: 0

3. Acknowledgement Packet 1 received at A successfully!!

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

*****Data jjjjjjjjjjjjjjjjjjjj waiting to to be sent*****

----A side----

Seq_num-->0

Ack_num-->-1

Checksum-->2013

Data-->jjjjjjjjjjjjjjjjjjj

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

----B side----

Seq_num-->0

Ack_num-->-1

Data-->jjjjjjjjjjjjjjjjjjj

packet.Checksum-->2013

B_side.Checksum-->2013

1. Packet 0 received at B successfully!!

2. Acknowledgement Packet 0 sent at A !!

TOLAYER3: packet being lost

EVENT time: 9366.054688, type: 0, timerinterrupt entity: 0

Time is up....Retransmitting packet in INTERRUPT method!!

EVENT time: 9370.139648, type: 2, fromlayer3 entity: 1

----B side----

Seq_num-->0

Ack_num-->-1

Data-->jjjjjjjjjjjjjjjjjjj

packet.Checksum-->2013

B_side.Checksum-->2013

1. Packet 0 received at B successfully!!

2. Acknowledgement Packet 0 sent at A !!

EVENT time: 9371.151367, type: 2, fromlayer3 entity: 0

3. Acknowledgement Packet 0 received at A successfully!!

Simulator terminated at time 9371.151367

after sending 10 msgs from layer5

Process returned 0 (0x0) execution time : 20.362 s

Press any key to continue.