Test case 2

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

Enter the number of packets to simulate: 5

Enter frame loss probability [enter 0.0 for no loss]:0.2

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

Enter average time between packets from sender's layer3 [ > 0.0]:100

Enter TRACE:2

Enter Piggybacking:1

Enter CRC Steps :0

EVENT time: 187.057404, type: 1, fromlayer3 entity: 1

----------------------

B's Side

Sending frame

PAYLOAD:aaa

Seq no:0

Generated Checksum:292

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EVENT time: 194.422562, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Frame received

PAYLOAD:aaa

Seq no:0

A waits to send ack to B

----------------------

EVENT time: 207.057404, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

----------------------

TOlayer1: frame being lost

EVENT time: 227.057404, type: 0, timerinterrupt entity: 1

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B's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 229.207428, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zaa

Seq no:0

Ack no:1

----------------------

EVENT time: 247.057404, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 251.524673, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zaa

Seq no:0

Ack no:1

----------------------

EVENT time: 267.057404, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

----------------------

TOlayer1: frame being lost

EVENT time: 281.721405, type: 1, fromlayer3 entity: 0

----------------------

A's Side

Piggybacking frame

PAYLOAD:bbb

Seq no:0

Ack No:0

Generated Checksum:296

----------------------

EVENT time: 287.057404, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

----------------------

EVENT time: 288.019806, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Piggybacked frame received

PAYLOAD:bbb

Seq no:0

B waits to send ack to A

Got Piggybacked Acknowledgement

Ack No:0

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EVENT time: 293.087067, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Repeated frame received

PAYLOAD:aaa

Seq no:0

----------------------

TOlayer1: frame being lost

EVENT time: 301.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 305.785004, type: 2, fromlayer1 entity: 1

----------------------

B's Side

B got corrupted frame

PAYLOAD:Zbb

Seq no:0

Ack no:0

----------------------

EVENT time: 321.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 323.505341, type: 2, fromlayer1 entity: 1

----------------------

B's Side

B got corrupted frame

PAYLOAD:bbb

Seq no:0

Ack no:999999

----------------------

EVENT time: 341.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

EVENT time: 345.879974, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Repeated frame received

PAYLOAD:bbb

Seq no:0

----------------------

TOlayer1: frame being lost

EVENT time: 361.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 367.559387, type: 2, fromlayer1 entity: 1

----------------------

B's Side

B got corrupted frame

PAYLOAD:Zbb

Seq no:0

Ack no:0

----------------------

EVENT time: 367.574860, type: 1, fromlayer3 entity: 1

----------------------

B's Side

Sending frame

PAYLOAD:ccc

Seq no:1

Generated Checksum:299

----------------------

EVENT time: 368.633331, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Frame received

PAYLOAD:ccc

Seq no:1

A waits to send ack to B

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EVENT time: 381.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being lost

EVENT time: 387.574860, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:ccc

Seq no:1

Ack No:1

type:0

----------------------

EVENT time: 392.848969, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Repeated frame received

PAYLOAD:ccc

Seq no:1

----------------------

TOlayer1: frame being lost

EVENT time: 401.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being lost

EVENT time: 407.574860, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:ccc

Seq no:1

Ack No:1

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 413.824799, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zcc

Seq no:1

Ack no:1

----------------------

EVENT time: 421.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 426.540680, type: 2, fromlayer1 entity: 1

----------------------

B's Side

B got corrupted frame

PAYLOAD:Zbb

Seq no:0

Ack no:0

----------------------

EVENT time: 427.574860, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:ccc

Seq no:1

Ack No:1

type:0

----------------------

EVENT time: 431.236633, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Repeated frame received

PAYLOAD:ccc

Seq no:1

----------------------

TOlayer1: frame being corrupted

EVENT time: 440.147430, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Got Acknowledgement

Ack No:1

----------------------

EVENT time: 441.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 447.339081, type: 2, fromlayer1 entity: 1

----------------------

B's Side

B got corrupted frame

PAYLOAD:Zbb

Seq no:0

Ack no:0

----------------------

EVENT time: 461.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being lost

EVENT time: 481.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being lost

EVENT time: 501.721405, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 503.527740, type: 2, fromlayer1 entity: 1

----------------------

B's Side

B got corrupted frame

PAYLOAD:Zbb

Seq no:0

Ack no:0

----------------------

EVENT time: 521.721436, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

TOlayer1: frame being lost

EVENT time: 541.721436, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:0

Ack No:0

type:0

----------------------

EVENT time: 544.738464, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Repeated frame received

PAYLOAD:bbb

Seq no:0

----------------------

EVENT time: 549.492493, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Got Acknowledgement

Ack No:0

----------------------

EVENT time: 562.224854, type: 1, fromlayer3 entity: 0

----------------------

A's Side

Sending frame

PAYLOAD:ddd

Seq no:1

Generated Checksum:301

----------------------

EVENT time: 567.611694, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Frame received

PAYLOAD:ddd

Seq no:1

B waits to send ack to A

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EVENT time: 582.224854, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:ddd

Seq no:1

Ack No:0

type:0

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EVENT time: 583.929077, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Repeated frame received

PAYLOAD:ddd

Seq no:1

----------------------

TOlayer1: frame being lost

EVENT time: 595.166504, type: 1, fromlayer3 entity: 1

----------------------

B's Side

Sending frame

PAYLOAD:eee

Seq no:0

Generated Checksum:304

----------------------

EVENT time: 602.224854, type: 0, timerinterrupt entity: 0

----------------------

A's Side

Retransmitting frame

PAYLOAD:ddd

Seq no:1

Ack No:0

type:0

----------------------

EVENT time: 603.124390, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Frame received

PAYLOAD:eee

Seq no:0

A waits to send ack to B

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EVENT time: 606.617310, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Repeated frame received

PAYLOAD:ddd

Seq no:1

----------------------

EVENT time: 612.282349, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Got Acknowledgement

Ack No:1

----------------------

EVENT time: 615.166504, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:eee

Seq no:0

Ack No:1

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 621.863342, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zee

Seq no:0

Ack no:1

----------------------

EVENT time: 635.166504, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:eee

Seq no:0

Ack No:1

type:0

----------------------

EVENT time: 644.654663, type: 2, fromlayer1 entity: 0

----------------------

A's Side

Repeated frame received

PAYLOAD:eee

Seq no:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 647.159912, type: 2, fromlayer1 entity: 1

----------------------

B's Side

Corrupted Acknowledgement

Retransmitting frame

Seq No:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 654.939514, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zee

Seq no:0

Ack no:1

----------------------

EVENT time: 667.159912, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:eee

Seq no:0

Ack No:1

type:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 673.060852, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zee

Seq no:0

Ack no:1

----------------------

EVENT time: 687.159912, type: 0, timerinterrupt entity: 1

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B's Side

Retransmitting frame

PAYLOAD:eee

Seq no:0

Ack No:1

type:0

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TOlayer1: frame being corrupted

EVENT time: 695.983032, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zee

Seq no:0

Ack no:1

----------------------

EVENT time: 707.159912, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:eee

Seq no:0

Ack No:1

type:0

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TOlayer1: frame being corrupted

EVENT time: 708.743774, type: 2, fromlayer1 entity: 0

----------------------

A's Side

A got corrupted frame

PAYLOAD:Zee

Seq no:0

Ack no:1

----------------------

EVENT time: 727.159912, type: 0, timerinterrupt entity: 1

----------------------

B's Side

Retransmitting frame

PAYLOAD:eee

Seq no:0

Ack No:1

type:0

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EVENT time: 732.407043, type: 2, fromlayer1 entity: 0

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A's Side

Repeated frame received

PAYLOAD:eee

Seq no:0

----------------------

TOlayer1: frame being corrupted

EVENT time: 741.350769, type: 2, fromlayer1 entity: 1

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B's Side

Got Acknowledgement

Ack No:0

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Simulator terminated at time 741.350769

after sending 5 pkts from layer3