Test case 3

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

Enter the number of packets to simulate: 2

Enter frame loss probability [enter 0.0 for no loss]:0

Enter frame corruption probability [0.0 for no corruption]:0.5

Enter average time between packets from sender's layer3 [ > 0.0]:500

Enter TRACE:2

Enter Piggybacking:0

Enter CRC Steps :1

Enter generated polynomial: 111001010001

EVENT time: 935.286987, type: 1, fromlayer3 entity: 0

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A's Side

Sending frame

PAYLOAD:aaa

Seq no:0

Input bit string to the CRC algorithm :

0000000000000000000000000001100001011000010110000100000000000100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000010001011101

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TOlayer1: frame being corrupted

EVENT time: 940.752075, type: 2, fromlayer1 entity: 1

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B's Side

Input bit string to the CRC algorithm :

0000000000000000000000000001011010011000010110000100000000000100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000011111110101

CRC Error detected

PAYLOAD:Zaa

Seq no:0

Ack no:1

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EVENT time: 955.286987, type: 0, timerinterrupt entity: 0

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A's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

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EVENT time: 957.468628, type: 2, fromlayer1 entity: 1

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B's Side

Input bit string to the CRC algorithm :

0000000000000000000000000001100001011000010110000100000000000100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000010001011101

Frame received

PAYLOAD:aaa

Seq no:0

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TOlayer1: frame being corrupted

EVENT time: 959.489136, type: 2, fromlayer1 entity: 0

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A's Side

Corrupted Acknowledgement

Retransmitting frame

Seq No:0

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TOlayer1: frame being corrupted

EVENT time: 960.788330, type: 2, fromlayer1 entity: 1

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B's Side

Input bit string to the CRC algorithm :

0000000000000000000000000001011010011000010110000100000000000100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000011111110101

CRC Error detected

PAYLOAD:Zaa

Seq no:0

Ack no:1

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EVENT time: 979.489136, type: 0, timerinterrupt entity: 0

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A's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

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TOlayer1: frame being corrupted

EVENT time: 988.917542, type: 2, fromlayer1 entity: 1

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B's Side

Input bit string to the CRC algorithm :

0000000000000000000000000001011010011000010110000100000000000100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000011111110101

CRC Error detected

PAYLOAD:Zaa

Seq no:0

Ack no:1

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EVENT time: 999.489136, type: 0, timerinterrupt entity: 0

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A's Side

Retransmitting frame

PAYLOAD:aaa

Seq no:0

Ack No:1

type:0

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EVENT time: 1003.691772, type: 2, fromlayer1 entity: 1

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B's Side

Input bit string to the CRC algorithm :

0000000000000000000000000001100001011000010110000100000000000100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000010001011101

Repeated frame received

PAYLOAD:aaa

Seq no:0

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EVENT time: 1006.421997, type: 2, fromlayer1 entity: 0

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A's Side

Got Acknowledgement

Ack No:0

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EVENT time: 1756.241943, type: 1, fromlayer3 entity: 0

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A's Side

Sending frame

PAYLOAD:bbb

Seq no:1

Input bit string to the CRC algorithm :

0000000000000000000000000001100010011000100110001000000000010100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000000101001000

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TOlayer1: frame being corrupted

EVENT time: 1758.608276, type: 2, fromlayer1 entity: 1

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B's Side

Input bit string to the CRC algorithm :

0000000000000000000000000001011010011000100110001000000000010100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000010110011100

CRC Error detected

PAYLOAD:Zbb

Seq no:1

Ack no:1

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EVENT time: 1776.241943, type: 0, timerinterrupt entity: 0

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A's Side

Retransmitting frame

PAYLOAD:bbb

Seq no:1

Ack No:1

type:0

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EVENT time: 1778.043457, type: 2, fromlayer1 entity: 1

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B's Side

Input bit string to the CRC algorithm :

0000000000000000000000000001100010011000100110001000000000010100

Generator polynomial :

0000000000000000000000000000000000000000000000000000111001010001

Generated CRC:

00000000000000000000000101001000

Frame received

PAYLOAD:bbb

Seq no:1

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EVENT time: 1782.202026, type: 2, fromlayer1 entity: 0

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A's Side

Got Acknowledgement

Ack No:1

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Simulator terminated at time 1782.202026

after sending 2 pkts from layer3

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