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

Enter the number of messages to simulate: 2

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

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

Enter average time between messages from sender's layer5 [ > 0.0]:500

Enter TRACE:2

Enter CRC Steps:1

Enter piggybacking:0

Enter Generator Polynomial:11001

EVENT time: 46.784874, type: 1, fromlayer3 entity: 0

----------------------A receives Packet\_A0 from layer3-----------------------

Input Bit String :

01100001011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

0110

----------------------A sends Frame\_A0 to B -------------------------

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

EVENT time: 52.277321, type: 2, fromlayer1 entity: 1

Input Bit String :

01100001011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

0110

6 , 6

----------------------B receives a data Frame from layer1----------------------------

Input Bit String :

00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

1001

-----------------------B sends ACK Frame to A ------------------------

Type : 1 , Seq : 0 , Ack : 0 , Checksum : 9 , Data :

TOLAYER1: packet being corrupted

EVENT time: 54.776451, type: 2, fromlayer1 entity: 0

Input Bit String :

01011010000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

0001

1 , 9

--------------------Corrupted Frame at A side------------------------

EVENT time: 246.784882, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

TOLAYER1: packet being corrupted

EVENT time: 248.186172, type: 2, fromlayer1 entity: 1

Input Bit String :

01011010011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

1000

8 , 6

-----------------------Corrupted Frame at B side-----------------------------

EVENT time: 446.784882, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

EVENT time: 455.997406, type: 2, fromlayer1 entity: 1

Input Bit String :

01100001011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

0110

6 , 6

----------------------B receives a data Frame from layer1----------------------------

Input Bit String :

00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

1001

-----------------------Duplicate Frame has been received--------------------------

-----------------------B sends ACK Frame to A ------------------------

Type : 1 , Seq : 0 , Ack : 0 , Checksum : 9 , Data :

TOLAYER1: packet being corrupted

EVENT time: 459.493561, type: 2, fromlayer1 entity: 0

Input Bit String :

01011010000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

0001

1 , 9

--------------------Corrupted Frame at A side------------------------

EVENT time: 646.784912, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

EVENT time: 655.361023, type: 2, fromlayer1 entity: 1

Input Bit String :

01100001011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

0110

6 , 6

----------------------B receives a data Frame from layer1----------------------------

Input Bit String :

00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

1001

-----------------------Duplicate Frame has been received--------------------------

-----------------------B sends ACK Frame to A ------------------------

Type : 1 , Seq : 0 , Ack : 0 , Checksum : 9 , Data :

TOLAYER1: packet being corrupted

EVENT time: 659.937439, type: 2, fromlayer1 entity: 0

Input Bit String :

01011010000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

0001

1 , 9

--------------------Corrupted Frame at A side------------------------

EVENT time: 803.857544, type: 1, fromlayer3 entity: 0

EVENT time: 846.784912, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

TOLAYER1: packet being corrupted

EVENT time: 850.661194, type: 2, fromlayer1 entity: 1

Input Bit String :

01011010011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

1000

8 , 6

-----------------------Corrupted Frame at B side-----------------------------

EVENT time: 1046.784912, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

TOLAYER1: packet being corrupted

EVENT time: 1050.782593, type: 2, fromlayer1 entity: 1

Input Bit String :

01011010011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

1000

8 , 6

-----------------------Corrupted Frame at B side-----------------------------

EVENT time: 1246.784912, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

TOLAYER1: packet being corrupted

EVENT time: 1256.119995, type: 2, fromlayer1 entity: 1

Input Bit String :

01011010011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

1000

8 , 6

-----------------------Corrupted Frame at B side-----------------------------

EVENT time: 1446.784912, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

EVENT time: 1447.789551, type: 2, fromlayer1 entity: 1

Input Bit String :

01100001011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

0110

6 , 6

----------------------B receives a data Frame from layer1----------------------------

Input Bit String :

00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

1001

-----------------------Duplicate Frame has been received--------------------------

-----------------------B sends ACK Frame to A ------------------------

Type : 1 , Seq : 0 , Ack : 0 , Checksum : 9 , Data :

TOLAYER1: packet being corrupted

EVENT time: 1451.167847, type: 2, fromlayer1 entity: 0

Input Bit String :

01011010000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

0001

1 , 9

--------------------Corrupted Frame at A side------------------------

EVENT time: 1646.784912, type: 0, timerinterrupt entity: 0

++++++++++++++++++ A re-sends Frame\_A0 to B +++++++++++++++++++

Type : 0 , Seq : 0 , Ack : -1 , Checksum : 6 , Data : aaa

EVENT time: 1648.312256, type: 2, fromlayer1 entity: 1

Input Bit String :

01100001011000010110000100000000000000000000000000000000000000001111111111111111111111111111111100000000000000000000000000000000

Generator Polynomial :

11001

Calculated CRC :

0110

6 , 6

----------------------B receives a data Frame from layer1----------------------------

Input Bit String :

00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

1001

-----------------------Duplicate Frame has been received--------------------------

-----------------------B sends ACK Frame to A ------------------------

Type : 1 , Seq : 0 , Ack : 0 , Checksum : 9 , Data :

EVENT time: 1650.232056, type: 2, fromlayer1 entity: 0

Input Bit String :

00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000001

Generator Polynomial :

11001

Calculated CRC :

1001

9 , 9

------------------------A receives a ACK Frame from layer1--------------------------

------------------------A received ACK for Frame\_A0-------------------------

Simulator terminated at time 1650.232056

after sending 2 msgs from layer5

Process returned 76 (0x4C) execution time : 30.515 s

Press any key to continue.