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

Enter the number of messages to simulate: 30

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

Enter packet corruption probability [0.0 for no corruption]:0.2

Enter average time between messages from sender's layer5 [> 0.0]:10

Enter TRACE:2

EVENT time: 6.965711,   type: 1, fromlayer5   entity: 0

A Send Data 0 (wbase=0)

EVENT time: 12.374607,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 0

        TOLAYER3: packet being corrupted

B ack 0

EVENT time: 17.132755,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 0

A wbase = 1

A Timer Stop

EVENT time: 19.661861,   type: 1, fromlayer5   entity: 0

        TOLAYER3: packet being corrupted

A Send Data 1 (wbase=1)

EVENT time: 27.956409,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 1

B ack 1

EVENT time: 35.720585,   type: 1, fromlayer5   entity: 0

A Send Data 2 (wbase=1)

EVENT time: 36.875278,　type: 2, fromlayer3　entity: 1

B Checksum Correct

B deliver 2

B ack 2

EVENT time: 37.509491,　type: 2, fromlayer3　entity: 0

A Checksum correct

A recv ack 1

A wbase = 2

EVENT time: 43.679108,　type: 2, fromlayer3　entity: 0

A Checksum correct

A recv ack 2

A wbase = 3

A Timer Stop

EVENT time: 55.250427,　type: 1, fromlayer5　entity: 0

A Send Data 3 (wbase=3)

EVENT time: 55.280880,　type: 1, fromlayer5　entity: 0

　　　　　TOLAYER3: packet being corrupted

A Send Data 4 (wbase=3)

EVENT time: 62.767643,　type: 2, fromlayer3　entity: 1

B Checksum Correct

B deliver 3

B ack 3

EVENT time: 65.588844,　type: 2, fromlayer3　entity: 0

A Checksum correct

A recv ack 3

A wbase = 4

EVENT time: 70.916466,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 4

     TOLAYER3: packet being lost

B ack 4

EVENT time: 74.060738,   type: 1, fromlayer5   entity: 0

A Send Data 5 (wbase=4)

EVENT time: 82.527809,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 5

B ack 5

EVENT time: 85.810814,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 5

A wbase = 4

EVENT time: 86.559853,   type: 1, fromlayer5   entity: 0

     TOLAYER3: packet being lost

A Send Data 6 (wbase=4)

EVENT time: 100.977844,   type: 1, fromlayer5   entity: 0

     TOLAYER3: packet being corrupted

A Send Data 7 (wbase=4)

EVENT time: 105.250427,   type: 0, timerinterrupt   entity: 0

A Re Send Data 4

     TOLAYER3: packet being lost

A Re Send Data 6

A Re Send Data 7

     TOLAYER3: packet being lost

A Re Send Data 8

A Re Send Data 9

A Re Send Data 10

  TOLAYER3: packet being lost

A Re Send Data 11

EVENT time: 106.017120, type: 1, fromlayer5 entity: 0

A Send Data 8 (wbase=4)

EVENT time: 106.359665, type: 1, fromlayer5 entity: 0

  TOLAYER3: packet being corrupted

A Send Data 9 (wbase=4)

EVENT time: 107.991966, type: 2, fromlayer3 entity: 1

B Checksum Correct

B deliver 7

  TOLAYER3: packet being corrupted

B ack 7

EVENT time: 112.026115, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 999999, wbase 4

EVENT time: 115.298920, type: 2, fromlayer3 entity: 1

B Checksum Correct

  TOLAYER3: packet being lost

B ack 4

EVENT time: 117.993729, type: 1, fromlayer5 entity: 0

A Send Data 10 (wbase=4)

EVENT time: 124.241638, type: 2, fromlayer3 entity: 1

B Checksum Correct

B ack 7

EVENT time: 128.154160,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 7

A wbase = 4

EVENT time: 128.824356,   type: 1, fromlayer5   entity: 0

A Send Data 11 (wbase=4)

EVENT time: 131.066727,   type: 1, fromlayer5   entity: 0

Refuse Data

EVENT time: 132.415237,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B ack 0

EVENT time: 133.735580,   type: 2, fromlayer3   entity: 1

B Checksum Correct

        TOLAYER3: packet being corrupted

B ack 0

EVENT time: 140.684021,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 8 error

EVENT time: 141.008636,   type: 2, fromlayer3   entity: 0

A Checksum correct

A receive incorrect ack 0, wbase 4

EVENT time: 142.399612,   type: 2, fromlayer3   entity: 0

A Checksum correct

A receive incorrect ack 999999, wbase 4

EVENT time: 146.574738,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 999999 error

EVENT time: 149.588470,   type: 1, fromlayer5   entity: 0

Refuse Data

EVENT time: 152.981766,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 10 error

EVENT time: 155.250427,   type: 0, timerinterrupt   entity: 0

A Re Send Data 4
A Re Send Data 6
A Re Send Data 8
A Re Send Data 9
A Re Send Data 10
A Re Send Data 11

EVENT time: 157.453156,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 11 error

EVENT time: 158.745972,   type: 2, fromlayer3   entity: 1

B Checksum Correct

         TOLAYER3: packet being corrupted

B ack 4

EVENT time: 162.921127,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 6

B ack 6

EVENT time: 163.414841,   type: 1, fromlayer5   entity: 0

Refuse Data

EVENT time: 165.160324,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 4

A wbase = 6

EVENT time: 170.797028,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 8

        TOLAYER3: packet being lost

B ack 8

EVENT time: 172.566971,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 9

        TOLAYER3: packet being corrupted

B ack 9

EVENT time: 174.655014,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 6

A wbase = 8

EVENT time: 175.828598,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 10

B ack 10

EVENT time: 181.322876,   type: 1, fromlayer5   entity: 0

A Send Data 12 (wbase=8)

EVENT time: 183.483307,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 11

B ack 11

EVENT time: 183.500504,   type: 2, fromlayer3   entity: 0

A Checksum correct

A receive incorrect ack 999999, wbase 8

EVENT time: 189.631470,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 10

A wbase = 8

EVENT time: 192.243164,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 11

A wbase = 8

EVENT time: 192.830811,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 12

B ack 12

EVENT time: 198.866974,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 12

A wbase = 8

EVENT time: 200.378754,   type: 1, fromlayer5   entity: 0

A Send Data 13 (wbase=8)

EVENT time: 205.250427,   type: 0, timerinterrupt   entity: 0

        TOLAYER3: packet being corrupted

A Re Send Data 8

        TOLAYER3: packet being lost

A Re Send Data 9

A Re Send Data 13

A Re Send Data 14

   TOLAYER3: packet being corrupted

A Re Send Data 15

EVENT time: 205.910477, type: 1, fromlayer5 entity: 0

A Send Data 14 (wbase=8)

EVENT time: 208.878723, type: 2, fromlayer3 entity: 1

B Checksum Correct

B deliver 13

B ack 13

EVENT time: 210.922455, type: 2, fromlayer3 entity: 1

B Checksum Correct

B ack 8

EVENT time: 211.353607, type: 2, fromlayer3 entity: 0

A Checksum correct

A recv ack 13

A wbase = 8

EVENT time: 212.860306, type: 2, fromlayer3 entity: 0

A Checksum correct

A recv ack 8

A wbase = 9

EVENT time: 212.915527, type: 1, fromlayer5 entity: 0

   TOLAYER3: packet being corrupted

A Send Data 15 (wbase=9)

EVENT time: 220.071426, type: 2, fromlayer3 entity: 1

B Checksum Correct

B ack 13

EVENT time: 220.923264,   type: 1, fromlayer5   entity: 0

A Send Data 16 (wbase=9)

EVENT time: 221.932098,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 13

A wbase = 9

EVENT time: 223.346985,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 0 error

EVENT time: 225.767197,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 0 error

EVENT time: 229.623932,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 14

B ack 14

EVENT time: 234.497498,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 14

A wbase = 9

EVENT time: 236.933685,   type: 1, fromlayer5   entity: 0

Refuse Data

EVENT time: 239.312912,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 999999 error

EVENT time: 241.967560,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 16 error

EVENT time: 246.382751,   type: 1, fromlayer5   entity: 0

Refuse Data

EVENT time: 255.250427,   type: 0, timerinterrupt   entity: 0

          TOLAYER3: packet being corrupted

A Re Send Data 9

A Re Send Data 15

A Re Send Data 16

EVENT time: 256.865265,   type: 1, fromlayer5   entity: 0

Refuse Data

EVENT time: 263.239746,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B ack 9

EVENT time: 264.712769,   type: 1, fromlayer5   entity: 0

Refuse Data

EVENT time: 270.057556,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 15

B ack 15

EVENT time: 272.132690,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 9

A wbase = 15

EVENT time: 272.477966,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 16

B ack 16

EVENT time: 276.810547,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 15

A wbase = 16

EVENT time: 279.641479,   type: 1, fromlayer5   entity: 0

A Send Data 17 (wbase=16)

EVENT time: 279.968231,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 16

A wbase = 17

EVENT time: 286.685425,   type: 1, fromlayer5   entity: 0

A Send Data 18 (wbase=17)

EVENT time: 286.902618,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 17

B ack 17

EVENT time: 289.178253,   type: 1, fromlayer5   entity: 0

            TOLAYER3: packet being corrupted

A Send Data 19 (wbase=17)

EVENT time: 289.488953,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 17

A wbase = 18

EVENT time: 296.309113,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 18

B ack 18

EVENT time: 299.538971,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 19

B ack 19

EVENT time: 303.049164,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 18

A wbase = 19

EVENT time: 303.870575,   type: 1, fromlayer5   entity: 0

      TOLAYER3: packet being lost

A Send Data 20 (wbase=19)

EVENT time: 304.700684,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 19

A wbase = 20

EVENT time: 305.250427,   type: 0, timerinterrupt   entity: 0

A Re Send Data 20

A Re Send Data 21

A Re Send Data 22

A Re Send Data 23

      TOLAYER3: packet being corrupted

A Re Send Data 24

A Re Send Data 25

A Re Send Data 26

      TOLAYER3: packet being lost

A Re Send Data 27

EVENT time: 312.412354,   type: 1, fromlayer5   entity: 0

A Send Data 21 (wbase=20)

EVENT time: 314.697784,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B deliver 20

B ack 20

EVENT time: 318.264191,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 0 error

EVENT time: 320.800354,   type: 2, fromlayer3   entity: 0

A Checksum correct

A recv ack 20

A wbase = 21

EVENT time: 327.883331,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 0 error

EVENT time: 329.046356,   type: 2, fromlayer3   entity: 1

B Checksum Correct

B seq 0 error

EVENT time: 332.157623,   type: 1, fromlayer5   entity: 0

          TOLAYER3: packet being lost

A Send Data 22 (wbase=21)

EVENT time: 334.808533,   type: 2, fromlayer3   entity: 1

 Simulator terminated at time 334.808533

 after sending 30 msgs from layer5