

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

Enter the number of messages to simulate: 20

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

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

B Checksum Correct

B seq correct 0

TOLAYER3: packet being corrupted

B ack 0

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

A Checksum correct

A receive correct ack 0

A Time Stop

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

TOLAYER3: packet being corrupted

A Send Data 1

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

B Checksum Correct

B seq correct 1

B ack 1

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

A Send Data 2

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

B Checksum Correct

B seq correct 2

B ack 2

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

A Checksum correct

A receive correct ack 1

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

A Checksum correct

A receive correct ack 2

A Time Stop

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

A Send Data 3

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

TOLAYER3: packet being corrupted

A Send Data 4

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

B Checksum Correct

B seq correct 3

B ack 3

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

A Checksum correct

A receive correct ack 3

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

B Checksum Correct

B seq correct 4

TOLAYER3: packet being lost

B ack 4

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

A Send Data 5

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

B Checksum Correct

B seq correct 5

B ack 5

EVENT time: 85.250427, type: 0, timerinterrupt entity: 0

A int Send Data 4

A int Send Data 5

TOLAYER3: packet being corrupted

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

A Checksum correct

A receive incorrect ack 5, expect 4

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

TOLAYER3: packet being corrupted

A Send Data 6

EVENT time: 87.655693, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 4 error, expect 6

TOLAYER3: packet being corrupted

B ack 4

EVENT time: 93.949074, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 4

EVENT time: 94.558548, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

A Send Data 7

EVENT time: 94.669815, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 5 error, expect 6

TOLAYER3: packet being lost

B ack 5

EVENT time: 103.597801, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 6

TOLAYER3: packet being lost

B ack 6

EVENT time: 108.584015, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 7

B ack 7

EVENT time: 110.499878, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

A Send Data 8

EVENT time: 115.250427, type: 0, timerinterrupt entity: 0

A int Send Data 5

TOLAYER3: packet being corrupted

A int Send Data 6

TOLAYER3: packet being lost

A int Send Data 7

A int Send Data 8

EVENT time: 115.532455, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 7, expect 5

EVENT time: 116.390594, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 999999 error, expect 8

B ack 999999

EVENT time: 118.399658, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 999999, expect 5

EVENT time: 120.424744, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 5 error, expect 8

B ack 5

EVENT time: 122.133942, type: 1, fromlayer5 entity: 0

A Send Data 9

EVENT time: 126.094551, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 7 error, expect 8

TOLAYER3: packet being lost

B ack 7

EVENT time: 126.962753, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 5

EVENT time: 134.336166, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 8

TOLAYER3: packet being lost

B ack 8

EVENT time: 137.010895, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

A Send Data 10

EVENT time: 137.549469, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 9

B ack 9

EVENT time: 141.724625, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 9, expect 6

EVENT time: 145.250427, type: 0, timerinterrupt entity: 0

A int Send Data 6

A int Send Data 7

A int Send Data 8

A int Send Data 9

A int Send Data 10

TOLAYER3: packet being corrupted

EVENT time: 147.498077, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 999999 error, expect 10

B ack 999999

EVENT time: 155.373978, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 6 error, expect 10

B ack 6

EVENT time: 156.348892, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being lost

A Send Data 11

EVENT time: 156.992767, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 999999, expect 6

EVENT time: 157.143921, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 7 error, expect 10

B ack 7

EVENT time: 158.217865, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 6

EVENT time: 160.405548, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 8 error, expect 10

B ack 8

EVENT time: 168.060257, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 9 error, expect 10

B ack 9

EVENT time: 168.083221, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 7

EVENT time: 173.783310, type: 1, fromlayer5 entity: 0

A Send Data 12

EVENT time: 174.474609, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 10

B ack 10

EVENT time: 175.250427, type: 0, timerinterrupt entity: 0

A int Send Data 8

A int Send Data 9

TOLAYER3: packet being lost

A int Send Data 10

TOLAYER3: packet being lost

A int Send Data 11

A int Send Data 12

EVENT time: 177.364838, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

A Send Data 13

EVENT time: 177.658371, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 8

EVENT time: 181.173065, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 12 error, expect 11

B ack 12

EVENT time: 182.421631, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

A Send Data 14

EVENT time: 183.102386, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 9

EVENT time: 186.591660, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 10

EVENT time: 188.769928, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being lost

A Send Data 15

EVENT time: 189.077103, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 8 error, expect 11

B ack 8

EVENT time: 190.743942, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 12, expect 11

EVENT time: 190.882462, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 11

B ack 11

EVENT time: 195.347427, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 8, expect 11

EVENT time: 197.936630, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 11

EVENT time: 198.659393, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 12

B ack 12

EVENT time: 200.520065, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 12

EVENT time: 202.725708, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 13

TOLAYER3: packet being corrupted

B ack 13

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

A int Send Data 13

A int Send Data 14

A int Send Data 15

EVENT time: 205.712463, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 14

B ack 14

EVENT time: 206.741074, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being lost

A Send Data 16

EVENT time: 207.009979, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 999999, expect 13

EVENT time: 210.586029, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 13 error, expect 15

B ack 13

EVENT time: 213.827789, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 14, expect 13

EVENT time: 216.303162, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 14 error, expect 15

B ack 14

EVENT time: 218.359161, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 13

EVENT time: 218.954895, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq correct 15

B ack 15

EVENT time: 225.276733, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 14

EVENT time: 226.383072, type: 1, fromlayer5 entity: 0

A Send Data 17

EVENT time: 229.954605, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive correct ack 15

EVENT time: 230.822189, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 17 error, expect 16

B ack 17

EVENT time: 235.250427, type: 0, timerinterrupt entity: 0

A int Send Data 16

TOLAYER3: packet being lost

A int Send Data 17

EVENT time: 238.083328, type: 2, fromlayer3 entity: 0

A Checksum correct

A receive incorrect ack 17, expect 16

EVENT time: 239.367233, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being lost

A Send Data 18

EVENT time: 244.656921, type: 2, fromlayer3 entity: 1

B Checksum Correct

B seq 17 error, expect 16

B ack 17

EVENT time: 249.175262, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being lost

A Send Data 19

EVENT time: 252.268463, type: 2, fromlayer3 entity: 0

Simulator terminated at time 252.268463

after sending 20 msgs from layer5