

----- 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

Sender A output packet:

A output

Sender send packet:

seqnum: 0 acknum: 0 payload:aaaaaaaaaaaaaaaaaaaaa

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

B input: Corret

Next receiver seqnum: 0

TOLAYER3: packet being corrupted

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

Sender A input:

seqnum: 0 acknum: 0 Lost or corrupted ACK.

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

Sender A output packet:

A output

Sender send packet:

seqnum: 1 acknum: 1 payload:bbbbbbbbbbbbbbbbbbbbbb

TOLAYER3: packet being corrupted

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

B input: seqnum: 1 acknum: 999999 Lost or corrupted ACK.

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

Sender A output packet:

A output

Sender send packet:

seqnum: 2 acknum: 2 payload:cccccccccccccccccccc

EVENT time: 36.965710, type: 0, timerinterrupt entity: 0

A timer interrupt

Timer interrupt: seqnum: 0 acknum: 0

EVENT time: 40.340492, type: 2, fromlayer3 entity: 1

B input: Corret

EVENT time: 41.495186, type: 2, fromlayer3 entity: 1

B input: Corret

TOLAYER3: packet being lost

EVENT time: 46.510109, type: 2, fromlayer3 entity: 0

Sender A input:

Sender receive ACK:

seqnum: 2 acknum: 2 payload:ACK

EVENT time: 49.661861, type: 0, timerinterrupt entity: 1

A timer interrupt

Timer interrupt: seqnum: 1 acknum: 1

EVENT time: 51.947098, type: 1, fromlayer5 entity: 0

Sender A output packet:

A output

Sender send packet:

seqnum: 3 acknum: 3 payload:dddddddddddddddddd

TOLAYER3: packet being corrupted

EVENT time: 57.179077, type: 2, fromlayer3 entity: 1

B input: Corret

Next receiver seqnum: 1

Next receiver seqnum: 2

EVENT time: 60.000282, type: 2, fromlayer3 entity: 0

Sender A input:

Sender receive ACK:

seqnum: 1 acknum: 1 payload:ACK

EVENT time: 65.327896, type: 2, fromlayer3 entity: 1

B input: seqnum: 3 acknum: 999999 Lost or corrupted ACK.

EVENT time: 66.965714, type: 0, timerinterrupt entity: 0

A timer interrupt

Timer interrupt: seqnum: 0 acknum: 0

TOLAYER3: packet being lost

EVENT time: 70.726959, type: 1, fromlayer5 entity: 0

Sender A output packet:

A output

Sender send packet:

seqnum: 4 acknum: 4 payload:eeeeeeeeeeeeeeeeeeee

EVENT time: 79.194031, type: 2, fromlayer3 entity: 1

B input: Corret

EVENT time: 81.947098, type: 0, timerinterrupt entity: 3

A timer interrupt

Timer interrupt: seqnum: 3 acknum: 3

EVENT time: 82.477036, type: 2, fromlayer3 entity: 0

Sender A input:

Sender receive ACK:

seqnum: 4 acknum: 4 payload:ACK

EVENT time: 83.226074, type: 1, fromlayer5 entity: 0

Sender A output packet:

A output

Sender send packet:

seqnum: 5 acknum: 5 payload:ffffffffffffffffffff

EVENT time: 84.352364, type: 2, fromlayer3 entity: 1

B input: Corret

Next receiver seqnum: 3

Next receiver seqnum: 4

EVENT time: 85.712082, type: 2, fromlayer3 entity: 1

B input: Corret

Next receiver seqnum: 5

TOLAYER3: packet being lost

EVENT time: 91.659317, type: 2, fromlayer3 entity: 0

Sender A input:

Sender receive ACK:

seqnum: 3 acknum: 3 payload:ACK

EVENT time: 96.965714, type: 0, timerinterrupt entity: 0

A timer interrupt

Timer interrupt: seqnum: 0 acknum: 0

EVENT time: 98.377701, type: 1, fromlayer5 entity: 0

Sender A output packet:

A output

Sender send packet:

seqnum: 6 acknum: 6 payload:gggggggggggggggggggggg

EVENT time: 100.357147, type: 1, fromlayer5 entity: 0

Sender A output packet:

A output

Sender send packet:

seqnum: 7 acknum: 7 payload:hhhhhhhhhhhhhhhhhhhh

TOLAYER3: packet being lost

EVENT time: 105.908432, type: 2, fromlayer3 entity: 1

B input: Corret

TOLAYER3: packet being corrupted

EVENT time: 107.672050, type: 2, fromlayer3 entity: 0

Sender A input:

seqnum: 999999 acknum: 0 Lost or corrupted ACK.

EVENT time: 109.215401, type: 1, fromlayer5 entity: 0
Sender A output packet:
Sender's Window Left Num: 0
Sender Seqnum: 8
Drop Message(buffer full):
seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiii

EVENT time: 113.226074, type: 0, timerinterrupt entity: 5
A timer interrupt
Timer interrupt: seqnum: 5 acknum: 5

EVENT time: 114.082031, type: 2, fromlayer3 entity: 1
B input: Corret
Next receiver seqnum: 6

EVENT time: 116.309258, type: 2, fromlayer3 entity: 0
Sender A input:
Sender receive ACK:
seqnum: 6 acknum: 6 payload:ACK

EVENT time: 120.317360, type: 2, fromlayer3 entity: 1
B input: Corret
TOLAYER3: packet being corrupted

EVENT time: 122.434151, type: 1, fromlayer5 entity: 0
Sender A output packet:
Sender's Window Left Num: 0
Sender Seqnum: 8
Drop Message(buffer full):
seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiii

EVENT time: 124.351509, type: 2, fromlayer3 entity: 0
Sender A input:
seqnum: 5 acknum: 999999 Lost or corrupted ACK.

EVENT time: 124.527969, type: 1, fromlayer5 entity: 0
Sender A output packet:

Sender's Window Left Num: 0
Sender Seqnum: 8
Drop Message(buffer full):
seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiiii

EVENT time: 126.965714, type: 0, timerinterrupt entity: 0
A timer interrupt
Timer interrupt: seqnum: 0 acknum: 0

EVENT time: 130.357147, type: 0, timerinterrupt entity: 7
A timer interrupt
Timer interrupt: seqnum: 7 acknum: 7

EVENT time: 133.372742, type: 2, fromlayer3 entity: 1
B input: Corret
TOLAYER3: packet being lost

EVENT time: 135.358597, type: 1, fromlayer5 entity: 0
Sender A output packet:
Sender's Window Left Num: 0
Sender Seqnum: 8
Drop Message(buffer full):
seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiiii

EVENT time: 137.285263, type: 2, fromlayer3 entity: 1
B input: Corret
Next receiver seqnum: 7

EVENT time: 142.846405, type: 1, fromlayer5 entity: 0
Sender A output packet:
Sender's Window Left Num: 0
Sender Seqnum: 8
Drop Message(buffer full):
seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiiii

EVENT time: 143.226074, type: 0, timerinterrupt entity: 5
A timer interrupt

Timer interrupt: seqnum: 5 acknum: 5

EVENT time: 143.823273, type: 2, fromlayer3 entity: 0

Sender A input:

Sender receive ACK:

seqnum: 7 acknum: 7 payload:ACK

EVENT time: 146.439377, type: 2, fromlayer3 entity: 1

B input: Corret

TOLAYER3: packet being lost

EVENT time: 156.965714, type: 0, timerinterrupt entity: 0

A timer interrupt

Timer interrupt: seqnum: 0 acknum: 0

TOLAYER3: packet being lost

EVENT time: 157.723358, type: 1, fromlayer5 entity: 0

Sender A output packet:

Sender's Window Left Num: 0

Sender Seqnum: 8

Drop Message(buffer full):

seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiiii

EVENT time: 173.226074, type: 0, timerinterrupt entity: 5

A timer interrupt

Timer interrupt: seqnum: 5 acknum: 5

TOLAYER3: packet being corrupted

EVENT time: 177.061356, type: 1, fromlayer5 entity: 0

Sender A output packet:

Sender's Window Left Num: 0

Sender Seqnum: 8

Drop Message(buffer full):

seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiiii

EVENT time: 183.174683, type: 2, fromlayer3 entity: 1

B input: Sender's Window Left Num: 0

Sender Seqnum: 8
Drop Message(buffer full):
seqnum: 999999 acknum: 5 payload:ffffffffffffffffffff

EVENT time: 186.965714, type: 0, timerinterrupt entity: 0
A timer interrupt
Timer interrupt: seqnum: 0 acknum: 0

EVENT time: 191.920731, type: 2, fromlayer3 entity: 1
B input: Corret

EVENT time: 195.335114, type: 1, fromlayer5 entity: 0
Sender A output packet:
Sender's Window Left Num: 0
Sender Seqnum: 8
Drop Message(buffer full):
seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiiii

EVENT time: 196.141159, type: 2, fromlayer3 entity: 0
Sender A input:
Sender receive ACK:
seqnum: 0 acknum: 0 payload:ACK
A input
Sender send packet:
seqnum: 8 acknum: 8 payload:iiiiiiiiiiiiiiiiiii
A input
Sender send packet:
seqnum: 9 acknum: 9 payload:jjjjjjjjjjjjjjjjjjj
A input
Sender send packet:
seqnum: 10 acknum: 10 payload:kkkkkkkkkkkkkkkkkkkk
TOLAYER3: packet being lost
A input
Sender send packet:
seqnum: 11 acknum: 11 payload:lllllllllllllllllll
TOLAYER3: packet being lost
A input

Sender send packet:

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seqnum: 12 acknum: 12 payload:mmmmmmmmmmmmmmmmmmmmmmmm
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EVENT time: 197.046097, type: 1, fromlayer5 entity: 0

Sender A output packet:

Sender's Window Left Num: 5

Sender Seqnum: 13

Drop Message(buffer full):

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seqnum: 13 acknum: 13 payload:nnnnnnnnnnnnnnnnnnnnnnnn
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EVENT time: 202.944412, type: 2, fromlayer3 entity: 1

B input: Corret

Next receiver seqnum: 8

EVENT time: 203.226074, type: 0, timerinterrupt entity: 5

A timer interrupt

Timer interrupt: seqnum: 5 acknum: 5

TOLAYER3: packet being lost

EVENT time: 207.206039, type: 2, fromlayer3 entity: 0

Sender A input:

Sender receive ACK:

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seqnum: 8  acknum: 8  payload:ACK
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EVENT time: 211.586807, type: 2, fromlayer3 entity: 1

B input: Corret

Next receiver seqnum: 9

TOLAYER3: packet being corrupted

EVENT time: 215.510910, type: 2, fromlayer3 entity: 1

B input: Corret

Next receiver seqnum: 10

EVENT time: 216.791382, type: 1, fromlayer5 entity: 0

Sender A output packet:

Sender's Window Left Num: 5

Sender Seqnum: 13

Drop Message(buffer full):

seqnum: 13 acknum: 13 payload:nnnnnnnnnnnnnnnnnnnnnn

EVENT time: 220.432297, type: 2, fromlayer3 entity: 0

Sender A input:

seqnum: 9 acknum: 999999 Lost or corrupted ACK.

EVENT time: 226.141159, type: 0, timerinterrupt entity: 12

A timer interrupt

Timer interrupt: seqnum: 12 acknum: 12

EVENT time: 226.141159, type: 0, timerinterrupt entity: 11

A timer interrupt

Timer interrupt: seqnum: 11 acknum: 11

EVENT time: 226.141159, type: 0, timerinterrupt entity: 10

A timer interrupt

Timer interrupt: seqnum: 10 acknum: 10

EVENT time: 226.141159, type: 0, timerinterrupt entity: 9

A timer interrupt

Timer interrupt: seqnum: 9 acknum: 9

EVENT time: 226.563263, type: 2, fromlayer3 entity: 0

Sender A input:

Sender receive ACK:

seqnum: 10 acknum: 10 payload:ACK

EVENT time: 233.226074, type: 0, timerinterrupt entity: 5

A timer interrupt

Timer interrupt: seqnum: 5 acknum: 5

TOLAYER3: packet being corrupted

EVENT time: 235.488663, type: 2, fromlayer3 entity: 1

B input: Corret

EVENT time: 235.847260, type: 1, fromlayer5 entity: 0

Sender A output packet:
Sender's Window Left Num: 5
Sender Seqnum: 13
Drop Message(buffer full):
seqnum: 13 acknum: 13 payload:nnnnnnnnnnnnnnnnnnnnnnnn

EVENT time: 237.294022, type: 2, fromlayer3 entity: 0
Sender A input:
Sender receive ACK:
seqnum: 12 acknum: 12 payload:ACK

EVENT time: 238.100357, type: 2, fromlayer3 entity: 1
B input: Corret
Next receiver seqnum: 11
Next receiver seqnum: 12

EVENT time: 244.073059, type: 2, fromlayer3 entity: 0
Sender A input:
Sender receive ACK:
seqnum: 11 acknum: 11 payload:ACK

EVENT time: 244.136520, type: 2, fromlayer3 entity: 1
B input: Corret
TOLAYER3: packet being corrupted

EVENT time: 248.202820, type: 2, fromlayer3 entity: 0
Sender A input:
seqnum: 10 acknum: 10 Lost or corrupted ACK.

EVENT time: 250.398163, type: 2, fromlayer3 entity: 1
B input: Corret

EVENT time: 253.956085, type: 1, fromlayer5 entity: 0
Sender A output packet:
Sender's Window Left Num: 5
Sender Seqnum: 13
Drop Message(buffer full):

seqnum: 13 acknum: 13 payload:nnnnnnnnnnnnnnnnnnnnnn

EVENT time: 254.550446, type: 2, fromlayer3 entity: 0

All Done with Simulation