**Alternating Bit Protocol**

**Packet 10, Loss : .1 , Corruption : .3, Time :1000**

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

Enter the number of messages to simulate: Enter packet loss probability [enter 0.0 for no loss]:Enter packet corruption probability [0.0 for no corruption]:Enter average time between messages from sender's layer5 [ > 0.0]:Enter TRACE:

EVENT time: 93.569748, type: 1, fromlayer5 entity: 0

Sending packet with sequence number 0

EVENT time: 99.062195, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 101.561325, type: 2, fromlayer3 entity: 0

ACK 0 Received

EVENT time: 1607.715088, type: 1, fromlayer5 entity: 0

Sending packet with sequence number 1

EVENT time: 1609.116333, type: 2, fromlayer3 entity: 1

Sending ACK 1

EVENT time: 1614.552979, type: 2, fromlayer3 entity: 0

ACK 1 Received

EVENT time: 2322.031250, type: 1, fromlayer5 entity: 0

Sending packet with sequence number 0

EVENT time: 2325.527344, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 2328.412354, type: 2, fromlayer3 entity: 0

ACK 0 Received

EVENT time: 3332.804199, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

Sending packet with sequence number 1

EVENT time: 3337.380615, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 3341.256836, type: 2, fromlayer3 entity: 0

Seq 1 Ack 0

EVENT time: 3347.804199, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

EVENT time: 3353.365479, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being lost

Sending ACK 1

EVENT time: 3362.804199, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

EVENT time: 3368.751709, type: 2, fromlayer3 entity: 1

Sending ACK 1

EVENT time: 3370.949463, type: 2, fromlayer3 entity: 0

ACK 1 Received

EVENT time: 5057.893555, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

Sending packet with sequence number 0

EVENT time: 5058.931152, type: 1, fromlayer5 entity: 0

Dropping packet, message currently in transit

EVENT time: 5062.472656, type: 2, fromlayer3 entity: 1

Sending ACK 1

EVENT time: 5064.000000, type: 2, fromlayer3 entity: 0

Seq 0 Ack 1

EVENT time: 5072.893555, type: 0, timerinterrupt entity: 0

Timer interrupted for 0

EVENT time: 5074.813477, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being corrupted

Sending ACK 0

EVENT time: 5084.448242, type: 2, fromlayer3 entity: 0

Corrupted ACK 0

EVENT time: 5087.893555, type: 0, timerinterrupt entity: 0

Timer interrupted for 0

EVENT time: 5093.975098, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 5098.526855, type: 2, fromlayer3 entity: 0

ACK 0 Received

EVENT time: 6557.268066, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

Sending packet with sequence number 1

EVENT time: 6564.979980, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 6570.675781, type: 2, fromlayer3 entity: 0

Seq 1 Ack 0

EVENT time: 6572.268066, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

TOLAYER3: packet being corrupted

EVENT time: 6580.121582, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 6587.268066, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

TOLAYER3: packet being corrupted

EVENT time: 6587.982422, type: 2, fromlayer3 entity: 0

Seq 1 Ack 0

EVENT time: 6589.269043, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 6590.429688, type: 2, fromlayer3 entity: 0

Seq 1 Ack 0

EVENT time: 6602.268066, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

TOLAYER3: packet being corrupted

EVENT time: 6606.464355, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being lost

Sending ACK 0

EVENT time: 6617.268066, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

EVENT time: 6618.811523, type: 2, fromlayer3 entity: 1

Sending ACK 1

EVENT time: 6622.600586, type: 2, fromlayer3 entity: 0

ACK 1 Received

EVENT time: 6854.091309, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

Sending packet with sequence number 0

EVENT time: 6861.486328, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being lost

Sending ACK 1

EVENT time: 6869.091309, type: 0, timerinterrupt entity: 0

Timer interrupted for 0

EVENT time: 6873.773926, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 6876.742676, type: 2, fromlayer3 entity: 0

ACK 0 Received

EVENT time: 8567.888672, type: 1, fromlayer5 entity: 0

TOLAYER3: packet being corrupted

Sending packet with sequence number 1

EVENT time: 8575.871094, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being lost

Sending ACK 0

EVENT time: 8582.888672, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

EVENT time: 8588.627930, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being corrupted

Sending ACK 1

EVENT time: 8594.997070, type: 2, fromlayer3 entity: 0

Corrupted ACK 1

EVENT time: 8597.888672, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

EVENT time: 8603.325195, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being corrupted

Sending ACK 1

EVENT time: 8604.351563, type: 2, fromlayer3 entity: 0

Corrupted ACK 1

EVENT time: 8612.888672, type: 0, timerinterrupt entity: 0

Timer interrupted for 1

TOLAYER3: packet being corrupted

EVENT time: 8621.395508, type: 2, fromlayer3 entity: 1

Sending ACK 1

EVENT time: 8622.738281, type: 2, fromlayer3 entity: 0

ACK 1 Received

EVENT time: 9351.054688, type: 1, fromlayer5 entity: 0

Sending packet with sequence number 0

EVENT time: 9352.104492, type: 2, fromlayer3 entity: 1

TOLAYER3: packet being lost

Sending ACK 0

EVENT time: 9366.054688, type: 0, timerinterrupt entity: 0

Timer interrupted for 0

EVENT time: 9370.139648, type: 2, fromlayer3 entity: 1

Sending ACK 0

EVENT time: 9371.151367, type: 2, fromlayer3 entity: 0

ACK 0 Received

Simulator terminated at time 9371.151367

after sending 10 msgs from layer5