ABP Output Trace:

```
Inside A_init
Inside B_init

EVENT time: 1870.573975,  type: 1, fromlayer5  entity: 0
Inside A_output
         TOLAYER3: packet being corrupted
Packet sent first time : aaaaaaaaaaaaaaaaaaa

EVENT time: 1876.039062,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 1878.220703,  type: 2, fromlayer3  entity: 0
Inside A_input
wrong packet

EVENT time: 1880.573975,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
```
<mark style="background:yellow">Packet retransmitting : aaaaaaaaaaaaaaaaaaa</mark>
```

EVENT time: 1882.594482,  type: 2, fromlayer3  entity: 1
Inside B_input
```
<mark style="background:lightgreen">Packet received. Seq: 0. msg: aaaaaaaaaaaaaaaaaaa . Sending ack...</mark>
```
         TOLAYER3: packet being corrupted
         TOLAYER3: packet being lost

EVENT time: 1887.061768,  type: 2, fromlayer3  entity: 0
Inside A_input
packet corrupt!

EVENT time: 1890.573975,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
```
<mark style="background:yellow">Packet retransmitting : aaaaaaaaaaaaaaaaaaa</mark>
```

EVENT time: 1900.002441,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 1900.573975,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
         TOLAYER3: packet being corrupted
```
<mark style="background:yellow">Packet retransmitting : aaaaaaaaaaaaaaaaaaa</mark>
```

EVENT time: 1907.465332,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 0 ok!

EVENT time: 1909.592651,  type: 2, fromlayer3  entity: 1
Inside B_input
         TOLAYER3: packet being corrupted

EVENT time: 1911.958984,  type: 2, fromlayer3  entity: 0
Inside A_input

EVENT time: 3512.483887,  type: 1, fromlayer5  entity: 0
Inside A_output
         TOLAYER3: packet being lost
```

```
Packet sent first time : bbbbbbbbbbbbbbbbbbbb

EVENT time: 3522.483887,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
Packet retransmitting : bbbbbbbbbbbbbbbbbbbb

EVENT time: 3528.732910,  type: 2, fromlayer3  entity: 1
Inside B_input
Packet received. Seq: 1. msg: bbbbbbbbbbbbbbbbbbbb . Sending ack...

EVENT time: 3530.213623,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 1 ok!

EVENT time: 3686.689209,  type: 1, fromlayer5  entity: 0
Inside A_output
Packet sent first time : cccccccccccccccccccc

EVENT time: 3693.049805,  type: 2, fromlayer3  entity: 1
Inside B_input
Packet received. Seq: 0. msg: cccccccccccccccccccc . Sending ack...
          TOLAYER3: packet being lost

EVENT time: 3694.108154,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 0 ok!

EVENT time: 4761.793945,  type: 1, fromlayer5  entity: 0
Inside A_output
Packet sent first time : dddddddddddddddddddd

EVENT time: 4767.067871,  type: 2, fromlayer3  entity: 1
Inside B_input
Packet received. Seq: 1. msg: dddddddddddddddddddd . Sending ack...
          TOLAYER3: packet being lost

EVENT time: 4771.793945,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
Packet retransmitting : dddddddddddddddddddd

EVENT time: 4780.575195,  type: 2, fromlayer3  entity: 1
Inside B_input
          TOLAYER3: packet being lost

EVENT time: 4781.793945,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
          TOLAYER3: packet being lost
Packet retransmitting : dddddddddddddddddddd

EVENT time: 4791.793945,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
          TOLAYER3: packet being corrupted
Packet retransmitting : dddddddddddddddddddd

EVENT time: 4796.613281,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 4800.274902,  type: 2, fromlayer3  entity: 0
Inside A_input
```

```
ack 1 ok!

EVENT time: 4829.880371,  type: 1, fromlayer5  entity: 0
Inside A_output
Packet sent first time : eeeeeeeeeeeeeeeeeee

EVENT time: 4831.157715,  type: 2, fromlayer3  entity: 1
Inside B_input
Packet received. Seq: 0. msg: eeeeeeeeeeeeeeeeeee . Sending ack...
          TOLAYER3: packet being corrupted
          TOLAYER3: packet being corrupted

EVENT time: 4836.775391,  type: 2, fromlayer3  entity: 0
Inside A_input
packet corrupt!

EVENT time: 4838.807129,  type: 2, fromlayer3  entity: 0
Inside A_input
packet corrupt!

EVENT time: 4839.880371,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
          TOLAYER3: packet being corrupted
Packet retransmitting : eeeeeeeeeeeeeeeeeee

EVENT time: 4847.623535,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 4849.880371,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
          TOLAYER3: packet being corrupted
Packet retransmitting : eeeeeeeeeeeeeeeeeee

EVENT time: 4854.314941,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 0 ok!

EVENT time: 4855.353027,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 4860.739746,  type: 2, fromlayer3  entity: 0
Inside A_input

EVENT time: 6659.383789,  type: 1, fromlayer5  entity: 0
Inside A_output
          TOLAYER3: packet being lost
Packet sent first time : ffffffffffffffffff

EVENT time: 6669.383789,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
Packet retransmitting : ffffffffffffffffff

EVENT time: 6670.907715,  type: 2, fromlayer3  entity: 1
Inside B_input
Packet received. Seq: 1. msg: ffffffffffffffffff . Sending ack...

EVENT time: 6679.383789,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
Packet retransmitting : ffffffffffffffffff
```

```
EVENT time: 6680.342285,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 1 ok!

EVENT time: 6688.209473,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 6698.057617,  type: 2, fromlayer3  entity: 0
Inside A_input

EVENT time: 8184.259766,  type: 1, fromlayer5  entity: 0
Inside A_output
Packet sent first time : ggggggggggggggggggg

EVENT time: 8189.762695,  type: 2, fromlayer3  entity: 1
Inside B_input
```
<mark>Packet received. Seq: 0. msg: ggggggggggggggggggg . Sending ack...</mark>
```
EVENT time: 8194.259766,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
         TOLAYER3: packet being corrupted
```
<mark>Packet retransmitting : ggggggggggggggggggg</mark>
```
EVENT time: 8196.377930,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 0 ok!

EVENT time: 8199.684570,  type: 2, fromlayer3  entity: 0
Inside A_input

EVENT time: 8202.039062,  type: 2, fromlayer3  entity: 1
Inside B_input
         TOLAYER3: packet being corrupted

EVENT time: 8207.940430,  type: 2, fromlayer3  entity: 0
Inside A_input

EVENT time: 9450.225586,  type: 1, fromlayer5  entity: 0
Inside A_output
Packet sent first time : hhhhhhhhhhhhhhhhhhh

EVENT time: 9452.375000,  type: 2, fromlayer3  entity: 1
Inside B_input
```
<mark>Packet received. Seq: 1. msg: hhhhhhhhhhhhhhhhhhh . Sending ack...</mark>
```
         TOLAYER3: packet being corrupted

EVENT time: 9453.958984,  type: 2, fromlayer3  entity: 0
Inside A_input
packet corrupt!

EVENT time: 9460.225586,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
```
<mark>Packet retransmitting : hhhhhhhhhhhhhhhhhhh</mark>
```
EVENT time: 9465.472656,  type: 2, fromlayer3  entity: 1
Inside B_input
         TOLAYER3: packet being corrupted
```

```
EVENT time: 9470.225586,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
          TOLAYER3: packet being corrupted
Packet retransmitting : hhhhhhhhhhhhhhhhhhh

EVENT time: 9474.416016,  type: 2, fromlayer3  entity: 0
Inside A_input
packet corrupt!

EVENT time: 9479.547852,  type: 2, fromlayer3  entity: 1
Inside B_input
          TOLAYER3: packet being corrupted

EVENT time: 9480.225586,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
          TOLAYER3: packet being corrupted
Packet retransmitting : hhhhhhhhhhhhhhhhhhh

EVENT time: 9481.375000,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 9482.543945,  type: 2, fromlayer3  entity: 0
Inside A_input
packet corrupt!

EVENT time: 9490.112305,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 1 ok!

EVENT time: 10695.823242,  type: 1, fromlayer5  entity: 0
Inside A_output
Packet sent first time : iiiiiiiiiiiiiiiiiii

EVENT time: 10703.769531,  type: 2, fromlayer3  entity: 1
Inside B_input
Packet received. Seq: 0. msg: iiiiiiiiiiiiiiiiiii . Sending ack...

EVENT time: 10705.823242,  type: 0, timerinterrupt   entity: 0
Inside A_timerinterrupt
Packet retransmitting : iiiiiiiiiiiiiiiiiii

EVENT time: 10708.496094,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 0 ok!

EVENT time: 10713.396484,  type: 2, fromlayer3  entity: 0
Inside A_input

EVENT time: 10715.561523,  type: 2, fromlayer3  entity: 1
Inside B_input

EVENT time: 10717.835938,  type: 2, fromlayer3  entity: 0
Inside A_input

EVENT time: 11482.142578,  type: 1, fromlayer5  entity: 0
Inside A_output
Packet sent first time : jjjjjjjjjjjjjjjjjjj

EVENT time: 11483.739258,  type: 2, fromlayer3  entity: 1
```

```
Inside B_input
Packet received. Seq: 1. msg: jjjjjjjjjjjjjjjjjjj . Sending ack...

EVENT time: 11487.457031,  type: 2, fromlayer3  entity: 0
Inside A_input
ack 1 ok!

 Simulator terminated at time 11487.457031
 after sending 10 msgs from layer5
```