

```
-bash-3.2$ ./p2_altbit
```

```
----- Network Simulator Version      2.3 -----
```

```
Enter the number of messages to simulate: 100
```

```
Packet loss probability [enter number between 0.0 and 1.0]: 0.2
```

```
Packet corruption probability [0.0 for no corruption]: 0.2
```

```
Packet out-of-order probability [0.0 for no out-of-order]: 0
```

```
Average time between messages from sender's layer5 [ > 0.0]: 100
```

```
Enter Level of tracing desired: 2
```

```
Do you want actions randomized: (1 = yes, 0 = no)?
```

```
1
```

```
Do you want Bidirectional: (1 = yes, 0 = no)? 0
```

```
Input parameters:
```

```
Number of Messages = 100   Lost Packet Prob. =    0.200
```

```
Corrupt Packet Prob. =    0.200   Out Of Order Prob. =    0.000
```

```
Ave. time between messages =    100.00   Trace level = 2
```

```
Randomize = 1   Bi-directional = 0
```

```
A:      131.0268,   Layer 5 to 4   Message = !fEVhy->Pbs'2J3m~2DU
```

```
----A is currently sending packet.----
```

```
Sequence number: 0
```

```
Checksum: 347271689
```

```
Payload: !fEVhy->Pbs'2J3m~2DU]?`?
```

```
A is expecting ACK value of 0
```

```
----Timer interrupt has occurred.----
```

```
----A will resend packet with sequence number: 0----
```

```
-
```

```
----B did not accept the packet which had sequence number: 26112----
```

```
----B received packet with sequence number: 0----
```

----Payload of received packet is: !fEVhy->Pbs'2J3m~2DU----

B: 165.3857, Layer 4 to 5 Message = !fEVhy->Pbs'2J3m~2DU

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0
A: 299.1548, Layer 5 to 4 Message = ##i.Qt9]!
Eh-Ps8[~Dg,

----A is currently sending packet.----

Sequence number: 1

Checksum: -1986825766

Payload: ##i.Qt9]!Eh-Ps8[~Dg,]?`?

A is expecting ACK value of 1

----B received packet with sequence number: 1----

----Payload of received packet is: ##i.Qt9]!Eh-Ps8[~Dg,----

B: 304.4348, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 1

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 427.6949, Layer 5 to 4 Message = \$X\$d:oFzQ
(]3h>sJ~U,a

----A is currently sending packet.----

Sequence number: 0

Checksum: -643832352

Payload: \$X\$d:oFzQ(]3h>sJ~U,a]?`?

A is expecting ACK value of 0

----B did not accept the packet which had sequence
number: 0----

A: 445.5832, Layer 5 to 4 Message = %kS%%jR:#
iQ9!hP8~gO7

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 0----

----B received packet with sequence number: 0----

----Payload of received packet is: \$X\$d:oFzQ(]3h>sJ
~U,a----

B: 482.7631, Layer 4 to 5 Message = \$X\$d:oFzQ
(]3h>sJ~U,a

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

```

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A:      604.7260, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl

----A is currently sending packet.----
Sequence number: 1
Checksum: 1928451374
Payload: &}wq&e_XRLF?93- '~xrl]]?`?
A is expecting ACK value of 1

----B received packet with sequence number: 1----
----Payload of received packet is: &}wq&e_XRLF?93- '~xrl----
B:      615.6016, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
      TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---

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-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 733.1309, Layer 5 to 4 Message = '2=IT'kv\$
x:FQ]hs~,7C

----A is currently sending packet.----

Sequence number: 0

Checksum: 1745700668

Payload: '2=IT'kv\$x:FQ]hs~,7C]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: '2=IT'kv\$x:FQ]hs~,7C----

B: 794.7682, Layer 4 to 5 Message = '2=IT'kv\$
x:FQ]hs~,7C

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

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----B did not accept the packet which had sequence
number: 218103808----
----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK valu
e: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A:      932.8825, Layer 5 to 4 Message = (Eb~=Z(6S
pxLi(Eb~=Zw

----A is currently sending packet.----
Sequence number: 1
Checksum: -882163636
Payload: (Eb~=Z(6SpxLi(Eb~=Zw]?`?
A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: (Eb~=Z(6SpxLi(Eb
~=Zw----
B:      982.1543, Layer 4 to 5 Message = (Eb~=Z(6S
pxLi(Eb~=Zw
      TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----A has received the proper packet, with ACK valu
e: 1----

```

A: 1089.0561, Layer 5 to 4 Message = dW(V'U&)%S\$R2Q!P~O}N

----A is currently sending packet.----

Sequence number: 0

Checksum: -582924254

Payload: dW(V'U&)%S\$R2Q!P~O}N]?`?

A is expecting ACK value of 0

A: 1108.7762, Layer 5 to 4 Message = *jL.nP2r*6vX:z]>~aC%

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: dW(V'U&)%S\$R2Q!P~O}N----

B: 1168.1729, Layer 4 to 5 Message = dW(V'U&)%S\$R2Q!P~O}N

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A: 1289.7481, Layer 5 to 4 Message = +fpdWK>2&+k_RF3-~rfY

----A is currently sending packet.----
Sequence number: 1
Checksum: -893820744
Payload: +fpdWK>2&+k_RF3-~rfY]?`?
A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: +fpdWK>2&+k_RF3-~rfY----
B: 1312.0512, Layer 4 to 5 Message = +fpdWK>2&+k_RF3-~rfY
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK value: 1----

A: 1331.0940, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0

----A is currently sending packet.----

Sequence number: 0

Checksum: 847290300

Payload: ,16;AFKPUZ,ejoty~&+0]?`?

A is expecting ACK value of 0

A: 1331.2564, Layer 5 to 4 Message = -DZq*AWn'=T-\$:Qh~7Ne

----A is currently waiting for ACK value 0----

----B received packet with sequence number: 0----

----Payload of received packet is: ,16;AFKPUZ,ejoty~&+0----

B: 1334.1893, Layer 4 to 5 Message = ,16;AFKPUZ,ejoty~&+0

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----
A: 1528.3405, Layer 5 to 4 Message = .V~Iq;d.V
~Iq.d.V~Iq;

----A is currently sending packet.----
Sequence number: 1
Checksum: -793441011
Payload: .V~Iq;d.V~Iq.d.V~Iq;]?`?
A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-
A: 1549.1215, Layer 5 to 4 Message = xiE~Z6pL(
b=wSxiE~Z6p

----A is currently waiting for ACK value 1----

----B received packet with sequence number: 1----
----Payload of received packet is: .V~Iq;d.V~Iq.d.V
~Iq;----
B: 1553.5784, Layer 4 to 5 Message = .V~Iq;d.V
~Iq.d.V~Iq;
TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK valu
e: 1----
A: 1573.1383, Layer 5 to 4 Message = d{iVD1|jW
E2}2X03~lYG

----A is currently sending packet.----
Sequence number: 0
Checksum: -53633177
Payload: d{iVD1|jWE2}2X03~lYG]?`?
A is expecting ACK value of 0

```

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----
----Payload of received packet is: d{iVD1|jWE2}2X03
~lYG----
B:      1597.3710,   Layer 4 to 5   Message = d{iVD1|jW
E2}2X03~lYG
          TOLAYER5:  PANIC!!   Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 0

----B did not accept the packet which had sequence
number: 0----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 0

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 1476395008----
----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-
A:      1654.9095,   Layer 5 to 4   Message = 10x.-, +*)
('&%$#1~}||{

```

----A is currently waiting for ACK value 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 0

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 8192000

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----
A: 1769.7211, Layer 5 to 4 Message = 2CSdt'7HXiy,<M^n21BR

----A is currently sending packet.----
Sequence number: 1
Checksum: -1892801279
Payload: 2CSdt'7HXiy,<M^n21BR]?`?
A is expecting ACK value of 1

----B received packet with sequence number: 1----
----Payload of received packet is: 2CSdt'7HXiy,<M^n21BR----
B: 1772.4038, Layer 4 to 5 Message = 2CSdt'7HXiy,<M^n21BR
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

A: 1898.3094, Layer 5 to 4 Message = 3Uw;^!Df*Ln2Tv:]~3e)

----A is currently sending packet.----

Sequence number: 0

Checksum: 1409649188

Payload: 3Uw;^!Df*Ln2Tv:]~3e)]?`?

A is expecting ACK value of 0

----B received packet with sequence number: 0----

----Payload of received packet is: 3Uw;^!Df*Ln2Tv:]~3e)----

B: 1903.6590, Layer 4 to 5 Message = 3Uw;^!Df*Ln2Tv:]~3e)

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence

number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

A: 2044.9900, Layer 5 to 4 Message = 4f=qGzP&Yxc8lB3K~T4^

----A is currently sending packet.----

Sequence number: 1

Checksum: 1593839186

Payload: 4f=qGzP&Yxc8lB3K~T4^]?`?

A is expecting ACK value of 1

----B received packet with sequence number: 1----

----Payload of received packet is: 4f=qGzP&Yxc8lB3K~T4^----

B: 2061.7383, Layer 4 to 5 Message = 4f=qGzP&Yxc8lB3K~T4^

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

A: 2061.7775, Layer 5 to 4 Message = 5zbI0u]D+pW>&kR9~fM5

----A is currently waiting for ACK value 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1

A: 2201.8478, Layer 5 to 4 Message = 6x(~wpibZ

SLE=6x(~wpi

----A is currently sending packet.----

Sequence number: 0

Checksum: 1258494008

Payload: 6x(~wpibZSLE=6x(~wpi]?`?

A is expecting ACK value of 0

----B received packet with sequence number: 0----

----Payload of received packet is: 6x(~wpibZSLE=6x(~wpi-----

B: 2206.6306, Layer 4 to 5 Message = 6x(~wpibZSLE=6x(~wpi

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----A has received the proper packet, with ACK value: 0----

A: 2267.6851, Layer 5 to 4 Message = d7LVaku!, 6AK2`jt~+5?

----A is currently sending packet.----

Sequence number: 1

Checksum: 1989022833

Payload: d7LVaku!,6AK2`jt~+5?]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----

----Payload of received packet is: d7LVaku!,6AK2`jt~+5?-----

B: 2288.1243, Layer 4 to 5 Message = d7LVaku!, 6AK2`jt~+5?

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----
----B is resending packet with ACK value: 1----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1
A: 2446.6408, Layer 5 to 4 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt

----A is currently sending packet.----
Sequence number: 0
Checksum: 367954172
Payload: 8T8.Jf\$?[w5Qm+Gc~<Xt]?`?
A is expecting ACK value of 0
A: 2448.3416, Layer 5 to 4 Message = 9g693a0^-Z*W'T\$Q~N{K

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----
----Payload of received packet is: 8T8.Jf\$?[w5Qm+Gc~<Xt----
B: 2470.3552, Layer 4 to 5 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----B did not accept the packet which had sequence

```

number: 0----
----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 6684672----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 41
28768

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK valu
e: 0----
A:      2515.4967,  Layer 5 to 4  Message = :yZ;:[<{]
=|^>}_?~`A!

----A is currently sending packet.----
Sequence number: 1
Checksum: 733109634
Payload: :yZ;:[<{]=|^>}_?~`A!]?`?
A is expecting ACK value of 1

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence
number: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---

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-

----B received packet with sequence number: 1----
----Payload of received packet is: :yZ;:[<{]=|^>}_?
~`A!----

B: 2566.6109, Layer 4 to 5 Message = :yZ;:[<{]
=|^>}_?~`A!
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----
A: 2567.2696, Layer 5 to 4 Message = ;.~qd;I;.
~qdVI;.~qdV

----A is currently waiting for ACK value 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----B did not accept the packet which had sequence number: 2818049----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 2702.0237, Layer 5 to 4 Message = <AEIMQ<Y^
bfjnr vz~%)-

----A is currently sending packet.----
Sequence number: 0

Checksum: 1357066301

Payload: <AEIMQ<Y^bfjnrzv~%)-]?'?

A is expecting ACK value of 0

----B did not accept the packet which had sequence number: 0----

A: 2721.8570, Layer 5 to 4 Message = =fi~6Lb=x
EZp(=3i~6Lb

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 114----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----

----Payload of received packet is: <AEIMQ<Y^bfjnrzv~%)-

B: 2790.8058, Layer 4 to 5 Message = <AEIMQ<Y^bfjnrzv~%)-

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

A: 2818.8068, Layer 5 to 4 Message = dfxV}Gn7>(Ov2g0W~Ho8

----A is currently sending packet.----

Sequence number: 1

Checksum: 774347331

Payload: dfxV}Gn7>(Ov2g0W~Ho8]?`?

A is expecting ACK value of 1

----B did not accept the packet which had sequence number: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

----B received packet with sequence number: 1----

----Payload of received packet is: dfxV}Gn7>(Ov2g0W~Ho8----

B: 2848.9346, Layer 4 to 5 Message = dfxV}Gn7>(Ov2g0W~Ho8

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----

----B did not accept the packet which had sequence

number: 1----

----B is resending packet with ACK value: 1----

A: 2997.6751, Layer 5 to 4 Message = ?xS.gBzU0
?D|W2kF~Y4m

----A is currently waiting for ACK value 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1

A: 3183.8829, Layer 5 to 4 Message = A-wdP<)s`LA%o[H4~kWD

----A is currently sending packet.----

Sequence number: 0

Checksum: -492702587

Payload: A-wdP<)s`LA%o[H4~kWD]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: A-wdP<)s`LA%o[H4~kWD----

B: 3212.2642, Layer 4 to 5 Message = A-wdP<)s`LA%o[H4~kWD

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 0

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----A has received the proper packet, with ACK valu
e: 0----

A: 3255.4359, Layer 5 to 4 Message = B?=:97531
x-B)'%#~|zx

----A is currently sending packet.----

Sequence number: 1

Checksum: 2064425272

Payload: B?=:97531x-B)'%#~|zx]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

```

----B received packet with sequence number: 1----
----Payload of received packet is: B?=:97531x-B)'%#
~|zx----
B:      3286.3786, Layer 4 to 5 Message = B?=:97531
x-B)'%#~|zx
      TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK valu
e: 1----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1
A:      3437.7374, Layer 5 to 4 Message = CRbq#2BQa
p!1CP`o~0?0

----A is currently sending packet.----
Sequence number: 0
Checksum: 535260729
Payload: CRbq#2BQap!1CP`o~0?0]?`?
A is expecting ACK value of 0
A:      3455.9459, Layer 5 to 4 Message = De(Ij-No2
St7XD<^~Bc&

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----
----Payload of received packet is: CRbq#2BQap!1CP`o

```

~0?O----

B: 3474.5271, Layer 4 to 5 Message = CRbq#2BQa
p!1CP`o~0?O

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

A: 3608.5433, Layer 5 to 4 Message = EwL~S(Zxb6i=pEEL~S(Z

----A is currently sending packet.----

Sequence number: 1

Checksum: -888574941

Payload: EwL~S(Zxb6i=pEEL~S(Z]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B received packet with sequence number: 1----

----Payload of received packet is: EwL~S(Zxb6i=pEEL~S(Z----

B: 3632.0330, Layer 4 to 5 Message = EwL~S(Zxb6i=pEEL~S(Z

TOLAYER5: PANIC!! Data Received in this packet are wrong

```

----B is sending packet which has ACK value: 1----
----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK valu
e: 1----

----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----
A:      3681.0089,  Layer 5 to 4  Message = d,pV<#gM3
w^D2nTF~eK1

----A is currently sending packet.----
Sequence number: 0
Checksum: -2045606375
Payload: d,pV<#gM3w^D2nTF~eK1]?`?
A is expecting ACK value of 0

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1

----B did not accept the packet which had sequence
number: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

```

```

----B received packet with sequence number: 0----
----Payload of received packet is: d,pV<#gM3w^D2nTF~eK1----
B:      3730.0881, Layer 4 to 5 Message = d,pV<#gM3w^D2nTF~eK1
      TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----
A:      3734.5679, Layer 5 to 4 Message = Gf6.&{skcZRJB93)Gvnf

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----
A:      3750.1030, Layer 5 to 4 Message = HQZdmv!+4=GPYclu~H3<

----A is currently waiting for ACK value 0----

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A:      3778.6331, Layer 5 to 4 Message = Id~;Vq.Id~;Vq.Id~;Iq

----A is currently sending packet.----

```

Sequence number: 1
Checksum: 207349323
Payload: Id~;Vq.Id~;Vq.Id~;Iq]?`?
A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: Id~;Vq.Id~;Vq.Id~;Iq----
B: 3809.5057, Layer 4 to 5 Message = Id~;Vq.Id~;Vq.Id~;Iq
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK value: 1----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1
A: 3898.1243, Layer 5 to 4 Message = JvEq?l:g5b0]+W&R~MyJ

----A is currently sending packet.----
Sequence number: 0
Checksum: -1669934456

Payload: JvEq?l:g5b0]+W&R~MyJ]?`?

A is expecting ACK value of 0

----B did not accept the packet which had sequence number: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----

----Payload of received packet is: JvEq?l:g5b0]+W&R~MyJ----

B: 3942.0199, Layer 4 to 5 Message = JvEq?l:g5b0]+W&R~MyJ

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0-----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0-----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0-----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

A: 4078.1037, Layer 5 to 4 Message = K+iI)gG'eE%cC#aA~_>|

----A is currently sending packet.----

Sequence number: 1

Checksum: 78132535

Payload: K+iI)gG'eE%cC#aA~_>|]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B received packet with sequence number: 1----

----Payload of received packet is: K+iI)gG'eE%cC#aA~_>|-----

B: 4141.2314, Layer 4 to 5 Message = K+iI)gG'eE%cC#aA~_>|

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 4237.5751, Layer 5 to 4 Message = LLx~pbSE6
(wiZL=x~pbS

----A is currently sending packet.----
Sequence number: 0
Checksum: 1741792818
Payload: LLx~pbSE6(wiZL=x~pbS]?`?
A is expecting ACK value of 0

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 7864320----

----B received packet with sequence number: 0----
----Payload of received packet is: LLx~pbSE6(wiZL=x
~pbS----
B: 4271.6725, Layer 4 to 5 Message = LLx~pbSE6
(wiZL=x~pbS
TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

----A has received the proper packet, with ACK valu
e: 0----
A: 4316.1795, Layer 5 to 4 Message = dPMVY]`cf
ilo2ux{~\$'*

----A is currently sending packet.----
Sequence number: 1
Checksum: 395687619
Payload: dPMVY]`cfilo2ux{~\$'*]?`?
A is expecting ACK value of 1

----B received packet with sequence number: 1----
----Payload of received packet is: dPMVY]`cfilo2ux{
~\$'*----
B: 4334.2741, Layer 4 to 5 Message = dPMVY]`cf

ilo2ux{~\$'*

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 4503.7182, Layer 5 to 4 Message = NcwNCWl#7Lau,AUj~5J_

----A is currently sending packet.----

Sequence number: 0

Checksum: 284311063

Payload: NcwNCWl#7Lau,AUj~5J_]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----

----Payload of received packet is: NcwNCWl#7Lau,AUj~5J_----

B: 4551.2382, Layer 4 to 5 Message = NcwNCWl#7Lau,AUj~5J_

TOLAYER5: PANIC!! Data Received in this p

acket are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----A has received the proper packet, with ACK valu
e: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0
A: 4615.2794, Layer 5 to 4 Message = Ou=dORxAg
xU{Dj2X~Gm5

----A is currently sending packet.----

Sequence number: 1

Checksum: 93611213

Payload: Ou=dORxAgxU{Dj2X~Gm5]?`?

A is expecting ACK value of 1

----B received packet with sequence number: 1----

----Payload of received packet is: Ou=dORxAgxU{Dj2X
~Gm5----

B: 4627.4246, Layer 4 to 5 Message = Ou=dORxAg
xU{Dj2X~Gm5

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

Printing the contents of the Simulation Event Q
Event Time = 4635.279 A: Timer

Event Time = 4805.341 A: LAYER 5

----A has received the proper packet, with ACK value: 1----

Printing the contents of the Simulation Event Q

A: 4805.3409, Layer 5 to 4 Message = Pfb;SP'_8pJ\$[53G~X2j

----A is currently sending packet.----

Sequence number: 0

Checksum: 229676280

Payload: Pfb;SP'_8pJ\$[53G~X2j]?`?

A is expecting ACK value of 0

Printing the contents of the Simulation Event Q

Event Time = 4812.879 B: LAYER 3 Seq/Ack/Check = 0/1/229676280: Pfb;SP'_8pJ\$[53G~X2j

Event Time = 4825.341 A: Timer

A: 4812.6028, Layer 5 to 4 Message = Q<(q]HQ|hS>*s_J5~jUA

----A is currently waiting for ACK value 0----

Printing the contents of the Simulation Event Q

Event Time = 4825.341 A: Timer

Event Time = 4906.698 A: LAYER 5

----B received packet with sequence number: 0----

----Payload of received packet is: Pfb;SP'_8pJ\$[53G~X2j----

B: 4812.8792, Layer 4 to 5 Message = Pfb;SP'_8pJ\$[53G~X2j

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

```

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----
A:      4906.6981, Layer 5 to 4 Message = ROLIFC?R9630-*'$~{xu

----A is currently sending packet.----
Sequence number: 1
Checksum: -1936751786
Payload: ROLIFC?R9630-*'$~{xu]?`?
A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: ROLIFC?R9630-*'$~{xu----
B:      4930.2416, Layer 4 to 5 Message = ROLIFC?R9630-*'$~{xu
      TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-
A:      4953.3610, Layer 5 to 4 Message = Sbp~x=LZSw(6ESbp~x=L

----A is currently waiting for ACK value 1----

----B did not accept the packet which had sequence number: 1----

```

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

A: 5149.1732, Layer 5 to 4 Message = dt6Vv8Xx:Tz<2|>_~Aa#

----A is currently sending packet.----

Sequence number: 0

Checksum: 1476416296

Payload: dt6Vv8Xx:Tz<2|>_~Aa#]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: dt6Vv8Xx:Tz<2|>_~Aa#----

B: 5177.8562, Layer 4 to 5 Message = dt6Vv8Xx:Tz<2|>_~Aa#

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-
A: 5199.7372, Layer 5 to 4 Message = U)Z.`3e8j
=UCtHyM~R&W

----A is currently waiting for ACK value 0----

----A has received the proper packet, with ACK value: 0----
A: 5327.9380, Layer 5 to 4 Message = Vi~dI.qVi~dV.qVi~dI.

----A is currently sending packet.----
Sequence number: 1
Checksum: -650236507
Payload: Vi~dI.qVi~dV.qVi~dI.]]?`?
A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: Vi~dI.qVi~dV.qVi~dI.----
B: 5349.6891, Layer 4 to 5 Message = Vi~dI.qVi~dV.qVi~dI.
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----B did not accept the packet which had sequence number: 1----
----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

A: 5398.2926, Layer 5 to 4 Message = WNE;2)}tkbXOW<3*~ulc

----A is currently sending packet.----

Sequence number: 0

Checksum: -956740426

Payload: WNE;2)}tkbXOW<3*~ulc]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: WNE;2)}tkbXOW<3*~ulc----

B: 5420.0706, Layer 4 to 5 Message = WNE;2)}tkbXOW<3*~ulc

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A has received the proper packet, with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

A: 5471.5743, Layer 5 to 4 Message = Xaiqy\$,4<EMU^Xnv~)19

----A is currently sending packet.----

Sequence number: 1

Checksum: 327460188

Payload: Xaiqy\$,4<EMU^Xnv~)19]?`?

A is expecting ACK value of 1


```

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: Xaiqy$,4<EMU^Xnv~)19----
B:      5499.6816,  Layer 4 to 5  Message = Xaiqy$,4<
EMU^Xnv~)19
      TOLAYER5:  PANIC!!  Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----B did not accept the packet which had sequence
number: 1426063361----
----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK valu
e: 1----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1
A:      5557.2739,  Layer 5 to 4  Message = YfxIc|8Rl
(B[u1Ye~:Tn

----A is currently sending packet.----
Sequence number: 0
Checksum: -1022516969
Payload: YfxIc|8Rl(B[u1Ye~:Tn]?`?
A is expecting ACK value of 0

----B received packet with sequence number: 0----
----Payload of received packet is: YfxIc|8Rl(B[u1Ye
~:Tn----
B:      5560.3712,  Layer 4 to 5  Message = YfxIc|8Rl
(B[u1Ye~:Tn

```

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----
A: 5564.2101, Layer 5 to 4 Message = Z(S~LwEp=i6bxZ(Z~LwE

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----
A: 5655.8517, Layer 5 to 4 Message = d:wV5rQ0mL+h2&cB[^<y

----A is currently sending packet.----
Sequence number: 1
Checksum: -749989530
Payload: d:wV5rQ0mL+h2&cB[^<y]?`?
A is expecting ACK value of 1

----B received packet with sequence number: 1----
----Payload of received packet is: d:wV5rQ0mL+h2&cB[^<y----
B: 5668.2621, Layer 4 to 5 Message = d:wV5rQ0mL+h2&cB[^<y
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence number: 1----
----B is resending packet with ACK value: 1----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 14849

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 5816.4557, Layer 5 to 4 Message =]M=.|m^N>x}n_O?0~]|`P

----A is currently sending packet.----

Sequence number: 0

Checksum: 895770582

Payload:]M=.|m^N>x}n_O?0~]|`P]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----

----Payload of received packet is:]M=.|m^N>x}n_O?0~]|`P----

B: 5852.1021, Layer 4 to 5 Message =]M=.|m^N>x}n_O?0~]|`P

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----A has received the proper packet, with ACK value: 0----

A: 5971.6546, Layer 5 to 4 Message = ^`bdfhjlnprtvxz|~#^'

----A is currently sending packet.----

Sequence number: 1

Checksum: -270195216

Payload: ^`bdfhjlnprtvxz|~#^']?`?

A is expecting ACK value of 1

----B received packet with sequence number: 1----

----Payload of received packet is: ^`bdfhjlnprtvxz|~#^'----

B: 5986.2971, Layer 4 to 5 Message = ^`bdfhjlnprtvxz|~#^'

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1

A: 6146.7088, Layer 5 to 4 Message = _r(;Ocv,?Sgz0DWk~4H_

----A is currently sending packet.----
Sequence number: 0
Checksum: 1135931291
Payload: _r(;Ocv,?Sgz0DWk~4H_]??
A is expecting ACK value of 0
A: 6156.5193, Layer 5 to 4 Message = ` 'Lq8^%Jo
6[#Hm4Y~Fk2

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----
----Payload of received packet is: _r(;Ocv,?Sgz0DWk
~4H_----
B: 6169.4665, Layer 4 to 5 Message = _r(;Ocv,?
Sgz0DWk~4H_
TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

----A has received the proper packet, with ACK valu
e: 0----

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A: 6306.5262, Layer 5 to 4 Message = aapI!X1hA
wP)`8oH~W0g

----A is currently sending packet.----
Sequence number: 1
Checksum: -827061012
Payload: aapI!X1hAwP)`8oH~W0g]?`?
A is expecting ACK value of 1

```

----B received packet with sequence number: 1----
----Payload of received packet is: aapI!X1hAwP)`8oH
~W0g----
B:      6316.2467, Layer 4 to 5 Message = aapI!X1hA
wP)`8oH~W0g
      TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK valu
e: 1----

----B did not accept the packet which had sequence
number: 1----
----B is resending packet with ACK value: 1----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1
A:      6414.9745, Layer 5 to 4 Message = bLb~iS=(p
ZExwbL6~iS=

----A is currently sending packet.----
Sequence number: 0
Checksum: 1063474957
Payload: bLb~iS=(pZExwbL6~iS=]?`?
A is expecting ACK value of 0

----B received packet with sequence number: 0----
----Payload of received packet is: bLb~iS=(pZExwbL6
~iS=----
B:      6422.6840, Layer 4 to 5 Message = bLb~iS=(p
ZExwbL6~iS=
      TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

```

----A has received the proper packet, with ACK value: 0----

A: 6585.5177, Layer 5 to 4 Message = dfZcRNJFB=952-3%~zvr

----A is currently sending packet.----

Sequence number: 1

Checksum: -1154898030

Payload: dfZcRNJFB=952-3%~zvr]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B received packet with sequence number: 1----

----Payload of received packet is: dfZcRNJFB=952-3%~zvr----

B: 6627.6700, Layer 4 to 5 Message = dfZcRNJFB=952-3%~zvr

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

A: 6760.8029, Layer 5 to 4 Message = dq~.dIVdq~.;IVdq~.;I

----A is currently sending packet.----

Sequence number: 0

Checksum: 949412873

Payload: dq~.dIVdq~.;IVdq~.;I]?`?

A is expecting ACK value of 0
A: 6766.0166, Layer 5 to 4 Message = e&Ed%ec\$C
b#Ba!A`~?_}

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----

----Payload of received packet is: dq~.dIVdq~.;IVdq
~.;I----

B: 6788.8036, Layer 4 to 5 Message = dq~.dIVdq
~.;IVdq~.;I

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK valu
e: 0----

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A: 6965.1594, Layer 5 to 4 Message = f8i;l>fBr
EuHxK{N~Q\$T

----A is currently sending packet.----
Sequence number: 1
Checksum: -1947181803
Payload: f8i;l>fBrEuHxK{N~Q\$T]?`?
A is expecting ACK value of 1

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: f8i;l>fBrEuHxK{N
~Q\$T----
B: 6987.1576, Layer 4 to 5 Message = f8i;l>fBr
EuHxK{N~Q\$T
TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----B did not accept the packet which had sequence
number: 1----

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK valu
e: 1----

----A got incorrect packet.----
A was expecting ACK value 0 but packet acknum is 1

----B did not accept the packet which had sequence
number: 1----

----B is resending packet with ACK value: 1----
A: 7150.9062, Layer 5 to 4 Message = gKxqU9{gD(jN2tX<~cG+
(jN2tX<~cG+

----A is currently sending packet.----
Sequence number: 0
Checksum: -36393518
Payload: gKxqU9{gD(jN2tX<~cG+]?`?
A is expecting ACK value of 0

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-
A: 7171.5931, Layer 5 to 4 Message = h^SI>4*}h
i_TJ?5+~tj`

----A is currently waiting for ACK value 0----

----B received packet with sequence number: 0----
----Payload of received packet is: gKxqU9{gD(jN2tX<
~cG+----
B: 7174.2985, Layer 4 to 5 Message = gKxqU9{gD
(jN2tX<~cG+
TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 0----

----B is resending packet with ACK value: 0----

----A has received the proper packet, with ACK valu
e: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----B did not accept the packet which had sequence number: 99----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

A: 7252.5704, Layer 5 to 4 Message = ipw~(x6=EiSZbipw~(x6

----A is currently sending packet.----

Sequence number: 1

Checksum: 423084309

Payload: ipw~(x6=EiSZbipw~(x6]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B received packet with sequence number: 1----

----Payload of received packet is: ipw~(x6=EiSZbipw~(x6----

B: 7282.9033, Layer 4 to 5 Message = ipw~(x6=EiSZbipw~(x6

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1

A: 7356.2368, Layer 5 to 4 Message = d%=Vo*C[txja24Mf~9Rk

----A is currently sending packet.----

Sequence number: 0

Checksum: -601436103

Payload: d%=Vo*C[txja24Mf~9Rk]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: d%=Vo*C[txja24Mf~9Rk----

B: 7383.5763, Layer 4 to 5 Message = d%=Vo*C[txja24Mf~9Rk

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----A has received the proper packet, with ACK value: 0----

A: 7500.6267, Layer 5 to 4 Message = k7b.X%OyFp<k3^*T~KuB

----A is currently sending packet.----

Sequence number: 1

Checksum: 1457290050

Payload: k7b.X%OyFp<k3^*T~KuB]?`?

A is expecting ACK value of 1

----B did not accept the packet which had sequence

number: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence number: 1----

----B received packet with sequence number: 1----

----Payload of received packet is: k7b.X%OyFp<k3^*T~KuB----

B: 7559.6321, Layer 4 to 5 Message = k7b.X%OyFp<k3^*T~KuB

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1

A: 7612.0511, Layer 5 to 4 Message = lf(dB}[9uS1ml)3C~]:v

----A is currently sending packet.----

Sequence number: 0

Checksum: -1386159626

Payload: lf(dB}[9uS1ml)3C~]:v]?`?

A is expecting ACK value of 0

A: 7616.3892, Layer 5 to 4 Message = m]L;+xhWG
6&scmB1~n^M

----A is currently waiting for ACK value 0----

----B received packet with sequence number: 0----

----Payload of received packet is: lf(dB}[9uS1ml)3C~]:v----

B: 7616.9448, Layer 4 to 5 Message = lf(dB}[9uS1ml)3C~]:v

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 0

```

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A:      7790.1913, Layer 5 to 4 Message = nopqrstuvwxyz{~!#$}
xyz{n}~!#$

----A is currently sending packet.----
Sequence number: 1
Checksum: 1052817090
Payload: nopqrstuvwxyz{~!#$]?`?
A is expecting ACK value of 1

----B received packet with sequence number: 1----
----Payload of received packet is: nopqrstuvwxyz{~!#$}----
~!#$----
B:      7791.8955, Layer 4 to 5 Message = nopqrstuvwxyz{~!#$}
xyz{n}~!#$
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----A has received the proper packet, with ACK value: 1----
A:      7837.2745, Layer 5 to 4 Message = o$6I[n#5HZm!4GYo~3FX

----A is currently sending packet.----
Sequence number: 0
Checksum: -1503262258
Payload: o$6I[n#5HZm!4GYo~3FX]?`?

```


A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: o\$6I[n#5HZm!4GYo~3FX----

B: 7867.6531, Layer 4 to 5 Message = o\$6I[n#5HZm!4GYo~3FX

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----A has received the proper packet, with ACK value: 0----

A: 7983.8061, Layer 5 to 4 Message = p6Z~EixSw=b(Lp6ZpEix

----A is currently sending packet.----

Sequence number: 1

Checksum: 2069154696

Payload: p6Z~EixSw=b(Lp6ZpEix]?`?

A is expecting ACK value of 1

----B received packet with sequence number: 1----

----Payload of received packet is: p6Z~EixSw=b(Lp6ZpEix----

B: 7987.5918, Layer 4 to 5 Message = p6Z~EixSw=b(Lp6ZpEix

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----A has received the proper packet, with ACK value:

e: 1----

A: 8182.4130, Layer 5 to 4 Message = dI~V.d;qI~V.2;qI~q.d

----A is currently sending packet.----

Sequence number: 0

Checksum: -143943831

Payload: dI~V.d;qI~V.2;qI~q.d]?`?

A is expecting ACK value of 0

----B received packet with sequence number: 0----

----Payload of received packet is: dI~V.d;qI~V.2;qI~q.d----

B: 8196.9278, Layer 4 to 5 Message = dI~V.d;qI~V.2;qI~q.d

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 32256

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A has received the proper packet, with ACK value: 0----

A: 8271.7601, Layer 5 to 4 Message = r[E.u_H1xbK4{eN7~hr:

----A is currently sending packet.----

Sequence number: 1

Checksum: -580674829

Payload: r[E.u_H1xbK4{eN7~hr:]}?`?

A is expecting ACK value of 1

----B received packet with sequence number: 1----

----Payload of received packet is: r[E.u_H1xbK4{eN7~hr:}----

B: 8273.3557, Layer 4 to 5 Message = r[E.u_H1xbK4{eN7~hr:

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----A has received the proper packet, with ACK value: 1----

A: 8352.5878, Layer 5 to 4 Message = snid_YTOJE?:50+&~yts

----A is currently sending packet.----

Sequence number: 0

Checksum: 263704795

Payload: snid_YTOJE?:50+&~yts]}?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----

----Payload of received packet is: snid_YTOJE?:50+&~yts----

B: 8392.3308, Layer 4 to 5 Message = snid_YTOJE?:50+&~yts

TOLAYER5: PANIC!! Data Received in this packet are wrong

```

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0
A:      8537.5594, Layer 5 to 4 Message = t#x;HTamy(4AMYfr~-9F

----A is currently sending packet.----
Sequence number: 1
Checksum: -123576330
Payload: t#x;HTamy(4AMYfr~-9F]?`?
A is expecting ACK value of 1
A:      8539.1780, Layer 5 to 4 Message = uuSqlOm-Ki)Ge%3a~>]z

----A is currently waiting for ACK value 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: t#x;HTamy(4AMYfr~-9F----
B:      8578.5436, Layer 4 to 5 Message = t#x;HTamy(4AMYfr~-9F
      TOLAYER5: PANIC!! Data Received in this p

```

acket are wrong

----B is sending packet which has ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

A: 8686.2466, Layer 5 to 4 Message = vHvIxJyKz

L{M|N}O~P!Q

----A is currently waiting for ACK value 1----

----A has received the proper packet, with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 8778.6988, Layer 5 to 4 Message = wZ=wbE(iLxpS6wZ=~bE(

----A is currently sending packet.----

Sequence number: 0

Checksum: 91500028

Payload: wZ=wbE(iLxpS6wZ=~bE(]?`?

A is expecting ACK value of 0

----B did not accept the packet which had sequence number: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence number: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

A: 8822.8302, Layer 5 to 4 Message = dmbVx?4){peY2C7,~sh]

----A is currently waiting for ACK value 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----

----Payload of received packet is: wZ=wbE(iLxpS6wZ=

~bE(-----

B: 8843.7233, Layer 4 to 5 Message = wZ=wbE(iLxpS6wZ=~bE(

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 0

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

A: 8944.6180, Layer 5 to 4 Message = y!(.4yAGMSY`flrx~-3

----A is currently sending packet.----

Sequence number: 1

Checksum: -684562993

Payload: y!(.4yAGMSY`flrx~-3]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B received packet with sequence number: 1----

----Payload of received packet is: y!(.4yAGMSY`flrx
~-3----

B: 8969.9039, Layer 4 to 5 Message = y!(.4yAGM
SY`flrx~-3

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----A has received the proper packet, with ACK valu
e: 1----

----B did not accept the packet which had sequence
number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 9011.1428, Layer 5 to 4 Message = z4Ld{5ze|
6Nf}7Og~8Ph

----A is currently sending packet.----

Sequence number: 0

Checksum: -232016451

Payload: z4Ld{5ze|6Nf}7Og~8Ph]?`?

A is expecting ACK value of 0

----B received packet with sequence number: 0----

----Payload of received packet is: z4Ld{5ze|6Nf}7Og
~8Ph----

B: 9014.8642, Layer 4 to 5 Message = z4Ld{5ze|
6Nf}7Og~8Ph

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

A: 9072.0077, Layer 5 to 4 Message = {Gp;e0Y{NwCl7a,U~Js>

----A is currently waiting for ACK value 0----

----A has received the proper packet, with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0

A: 9138.7406, Layer 5 to 4 Message = |Y6qN+fC|Z7rO,gD~[8s

----A is currently sending packet.----

Sequence number: 1

Checksum: -887176321

Payload: |Y6qN+fC|Z7rO,gD~[8s]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----

----Payload of received packet is: |Y6qN+fC|Z7rO,gD
~[8s----

B: 9162.9787, Layer 4 to 5 Message = |Y6qN+fC|
Z7rO,gD~[8s

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1-----

----A has received the proper packet, with ACK valu
e: 1----

A: 9329.7908, Layer 5 to 4 Message = }lZI7&raO
,xgUD2~m[J

----A is currently sending packet.----

Sequence number: 0

Checksum: -1238175984

Payload: }lZI7&raO},xgUD2~m[J]?`?

A is expecting ACK value of 0

----B received packet with sequence number: 0----

----Payload of received packet is: }lZI7&raO},xgUD2
~m[J----

B: 9339.1919, Layer 4 to 5 Message = }lZI7&raO
,xgUD2~m[J

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0-----

Printing the contents of the Simulation Event Q

Event Time = 9357.501 A: LAYER 3 Seq/Ack/Check = 0
/0/-526552414: }lZI7&raO},xgUD2~m[J

Event Time = 9519.193 A: LAYER 5

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

Printing the contents of the Simulation Event Q
Event Time = 9357.501 A: LAYER 3 Seq/Ack/Check = 0
/0/-526552414: }lZI7&raO},xgUD2~m[J
Event Time = 9369.791 A: Timer
Event Time = 9519.193 A: LAYER 5

----B did not accept the packet which had sequence
number: 0----
----B is resending packet with ACK value: 0----

Printing the contents of the Simulation Event Q
Event Time = 9369.791 A: Timer
Event Time = 9379.369 A: LAYER 3 Seq/Ack/Check = 0
/0/-526552414: }lZI7&raO},xgUD2~m[J
Event Time = 9519.193 A: LAYER 5

----A has received the proper packet, with ACK valu
e: 0----

Printing the contents of the Simulation Event Q
Event Time = 9519.193 A: LAYER 5

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

Printing the contents of the Simulation Event Q

A: 9519.1929, Layer 5 to 4 Message = ~fDUGx,=0
a~&7I3l}lCT

----A is currently sending packet.----
Sequence number: 1
Checksum: 1911781478
Payload: ~fDUGx,=0a~&7I3l}lCT]?`?
A is expecting ACK value of 1

Printing the contents of the Simulation Event Q
Event Time = 9633.729 A: LAYER 5

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

Printing the contents of the Simulation Event Q
Event Time = 9559.193 A: Timer
Event Time = 9633.729 A: LAYER 5

----B received packet with sequence number: 1----
----Payload of received packet is: ~fDUgx,=0a~&7I3l
}1CT----
B: 9552.2458, Layer 4 to 5 Message = ~fDUgx,=0
a~&7I3l}1CT
TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 65
4311425

----B did not accept the packet which had sequence
number: 1----

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK valu
e: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 9633.7289, Layer 5 to 4 Message = !3EVhy->Pbs'2J[m~2DU

----A is currently sending packet.----

Sequence number: 0
Checksum: 2040005153
Payload: !3EVhy->Pbs'2J[m~2DU]?`?
A is expecting ACK value of 0

----B received packet with sequence number: 0----

----Payload of received packet is: !3EVhy->Pbs'2J[m~2DU----

B: 9651.3636, Layer 4 to 5 Message = !3EVhy->Pbs'2J[m~2DU

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----A got incorrect packet.----

A was expecting ACK value 1 but packet acknum is 0
A: 9791.6358, Layer 5 to 4 Message = ##i.Qt9]!
Eh-Ps8[~Dg,

----A is currently sending packet.----

Sequence number: 1

Checksum: -1986825766

Payload: ##i.Qt9]!Eh-Ps8[~Dg,]?`?

A is expecting ACK value of 1

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence number: 91----

----B did not accept the packet which had sequence number: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B received packet with sequence number: 1----

----Payload of received packet is: ##i.Qt9]!Eh-Ps8[~Dg,----

B: 9853.4466, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----A has received the proper packet, with ACK value: 1----

A: 9863.4839, Layer 5 to 4 Message = \$X\$d:oFzQ([3h>sJ~U,a

----A is currently sending packet.----

Sequence number: 0

Checksum: -643832352

Payload: \$X\$d:oFzQ([3h>sJ~U,a]?`?

A is expecting ACK value of 0

----B did not accept the packet which had sequence number: 1----

A: 9875.9752, Layer 5 to 4 Message = %kS%\$jR:#iQ9!hP8~gO7

----A is currently waiting for ACK value 0----

----B did not accept the packet which had sequence number: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B did not accept the packet which had sequence number: 0----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----B received packet with sequence number: 0----

----Payload of received packet is: \$X\$d:oFzQ([3h>sJ~U,a----

B: 9923.5651, Layer 4 to 5 Message = \$X\$d:oFzQ([3h>sJ~U,a

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----B did not accept the packet which had sequence number: 0----

----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----
A: 9959.7308, Layer 5 to 4 Message = &}wq&e_XRLF?93- '~xrl

----A is currently sending packet.----
Sequence number: 1
Checksum: 1928451374
Payload: &}wq&e_XRLF?93- '~xrl]?`?
A is expecting ACK value of 1

----B did not accept the packet which had sequence number: 0----

----B did not accept the packet which had sequence number: 1----

----A got incorrect packet.----
A was expecting ACK value 1 but packet acknum is 0

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----B received packet with sequence number: 1----
----Payload of received packet is: &}wq&e_XRLF?93- '~xrl----
B: 9983.9263, Layer 4 to 5 Message = &}wq&e_XRLF?93- '~xrl
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK value: 1----

----B did not accept the packet which had sequence number: 1----

----B is resending packet with ACK value: 1----

----A got incorrect packet.----

A was expecting ACK value 0 but packet acknum is 1
A: 10133.5274, Layer 5 to 4 Message = '2=IT'kv\$
x:FQ]hs~,7C

----A is currently sending packet.----

Sequence number: 0

Checksum: 1745700668

Payload: '2=IT'kv\$x:FQ]hs~,7C]?`?

A is expecting ACK value of 0

----B received packet with sequence number: 0----

----Payload of received packet is: '2=IT'kv\$x:FQ]hs~,7C----

B: 10134.7583, Layer 4 to 5 Message = '2=IT'kv\$
x:FQ]hs~,7C

TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----A has received the proper packet, with ACK value: 0----

A: 10166.2378, Layer 5 to 4 Message = (Eb~=Z(6S
pxLi(Eb~=Zw

----A is currently sending packet.----

Sequence number: 1

Checksum: -882163636

Payload: (Eb~=Z(6SpxLi(Eb~=Zw]?`?

A is expecting ACK value of 1

----B received packet with sequence number: 1----

----Payload of received packet is: (Eb~=Z(6SpxLi(Eb~=Zw----

B: 10181.6047, Layer 4 to 5 Message = (Eb~=Z(6S
pxLi(Eb~=Zw

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence
number: 1----

----B is resending packet with ACK value: 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---

-

----B did not accept the packet which had sequence
number: 1----

----B is resending packet with ACK value: 1----

----A has received the proper packet, with ACK valu
e: 1----

A: 10304.6468, Layer 5 to 4 Message = dW(V'U&)%
S\$R2Q!P~O}N

----A is currently sending packet.----

Sequence number: 0

Checksum: -582924254

Payload: dW(V'U&)%S\$R2Q!P~O}N]?`?

A is expecting ACK value of 0

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 0---

-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B received packet with sequence number: 0----
----Payload of received packet is: dW(V'U&)%S\$R2Q!P
~O}N----
B: 10371.7216, Layer 4 to 5 Message = dW(V'U&)%
S\$R2Q!P~O}N
TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----B did not accept the packet which had sequence
number: 0----
----B is resending packet with ACK value: 0----

----B did not accept the packet which had sequence
number: 0----
----B is resending packet with ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK valu
e: 0----
A: 10413.0791, Layer 5 to 4 Message = *fL.nP2r*
6vX:z3>~aC%

----A is currently sending packet.----
Sequence number: 1
Checksum: 1367927049

Payload: *fL.nP2r*6vX:z3>~aC%]?`?

A is expecting ACK value of 1

A: 10414.9716, Layer 5 to 4 Message = +|pdWK>2&
+k_RF9-~rfY

----A is currently waiting for ACK value 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----B did not accept the packet which had sequence
number: 0----

----B received packet with sequence number: 1----

----Payload of received packet is: *fL.nP2r*6vX:z3>
~aC%----

B: 10446.2915, Layer 4 to 5 Message = *fL.nP2r*
6vX:z3>~aC%

TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

A: 10451.8763, Layer 5 to 4 Message = ,16;AFKPU
Z,ejoty~&+0

----A is currently waiting for ACK value 1----

----Timer interrupt has occurred.----

----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK valu
e: 1----

----B did not accept the packet which had sequence
number: 1----

----B is resending packet with ACK value: 1----

A: 10630.2571, Layer 5 to 4 Message = -DZq*AWn'
=T-\$:Qh~7Ne

----A is currently sending packet.----

Sequence number: 0
Checksum: -2027189706
Payload: -DZq*AWn'=T-\$:Qh~7Ne]?`?
A is expecting ACK value of 0

----B received packet with sequence number: 0----
----Payload of received packet is: -DZq*AWn'=T-\$:Qh~7Ne----

B: 10633.4997, Layer 4 to 5 Message = -DZq*AWn'=T-\$:Qh~7Ne
TOLAYER5: PANIC!! Data Received in this packet are wrong

----B is sending packet which has ACK value: 0----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 0---
-

----A has received the proper packet, with ACK value: 0----

----B did not accept the packet which had sequence number: 0----
----B is resending packet with ACK value: 0----
A: 10762.8279, Layer 5 to 4 Message = .V~Iq;d.V~Iq.d.V~Iq;
~Iq.d.V~Iq;

----A is currently sending packet.----
Sequence number: 1
Checksum: -793441011
Payload: .V~Iq;d.V~Iq.d.V~Iq;]?`?
A is expecting ACK value of 1
A: 10772.6347, Layer 5 to 4 Message = xiE~Z6pL(b=wSxiE~Z6p

----A is currently waiting for ACK value 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

```
----B received packet with sequence number: 1----
----Payload of received packet is: .V~Iq;d.V~Iq.d.V
~Iq;----
B: 10799.2956, Layer 4 to 5 Message = .V~Iq;d.V
~Iq.d.V~Iq;
      TOLAYER5: PANIC!! Data Received in this p
acket are wrong

----B is sending packet which has ACK value: 1----

----Timer interrupt has occurred.----
----A will resend packet with sequence number: 1---
-

----A has received the proper packet, with ACK valu
e: 1----
```

Simulator terminated at time 10819.784765
after receiving 76 msgs at layer5

Simulator Analysis:

Number of messages sent from 5 to 4: 104

Number of messages received at Layer 5, side A: 0

Number of messages received at Layer 5, side B: 7
6

Number of messages incorrectly received at layer
5: 73

Number of packets entering the network: 441

Average number of packets already in network:
0.302

Number of packets that the network lost: 81

Number of packets that the network corrupted: 76

Number of packets that the network put out of ord
er: 0