NOTE: 100 messages was used for the PDF for the ability to print out all the trace data but 1000 still works

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

Enter the number of messages to simulate: 100

Packet loss probability [enter number between 0.0 and 1.0]: 0.1

Packet corruption probability [0.0 for no corruption]: 0.1

Packet out-of-order probability [0.0 for no out-of-order]: 0.1

Average time between messages from sender's layer5 [> 0.0]: 1000

Enter Level of tracing desired: 1

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. = 0.100

Corrupt Packet Prob. = 0.100 Out Of Order Prob. = 0.100

Ave. time between messages = 1000.00 Trace level = 1

Randomize = 1 Bi-directional = 0

A: 749.1555, Layer 5 to 4 Message = !fEVhy->Pbs'2J3m~2DU

A window is not full, sending a message

Setting Checksum = -14941

B recieved a packet!

Setting Checksum = -14941

Getting Checksum = -14941

Received packet 0 expecting 0

Setting Checksum = -2

We are sending the packet up

B: 757.5257, Layer 4 to 5 Message = !fEVhy->Pbs'2J3m~2DU

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -14941

Getting Checksum = -14941

Received packet 0 expecting 1

Resening ACK!

A has received a pcket.

Setting Checksum = -2

Getting Checksum = -2

A received an ACK

Getting unACKed packets

unACKed packet: 0

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 1805.9155, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,

A window is not full, sending a message

Setting Checksum = -15168

B recieved a packet!

Setting Checksum = -15168

Getting Checksum = -15168

Received packet 1 expecting 1

Setting Checksum = -3

We are sending the packet up

B: 1836.4941, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,

A has received a pcket.

Setting Checksum = -3

Getting Checksum = -3

A received an ACK

Getting unACKed packets

unACKed packet: 1

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 2565.4723, Layer 5 to 4 Message = X\$d:oFzQ(]3h>sJ~U,a

A window is not full, sending a message

Setting Checksum = -15893

B recieved a packet!

Setting Checksum = -15893

Getting Checksum = -15893

Received packet 2 expecting 2

Setting Checksum = -4

We are sending the packet up

B: 2574.2445, Layer 4 to 5 Message = X\$d:oFzQ(]3h>sJ~U,a

A has received a pcket.

Setting Checksum = -4

Getting Checksum = -4

A received an ACK

Getting unACKed packets

unACKed packet: 2

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 3543.1269, Layer 5 to 4 Message = %kS%\$jR:#iQ9!hP8~gO7

A window is not full, sending a message

Setting Checksum = -14564

B recieved a packet!

Setting Checksum = -14564

Getting Checksum = -14564

Received packet 3 expecting 3

Setting Checksum = -5

We are sending the packet up

B: 3558.7570, Layer 4 to 5 Message = %kS%\$jR:#iQ9!hP8~gO7

A has received a pcket.

Setting Checksum = -5

Getting Checksum = -5

A received an ACK

Getting unACKed packets

unACKed packet: 3

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 5036.7088, Layer 5 to 4 Message = &\wg&e XRLF?93-'~xrl

A window is not full, sending a message

Setting Checksum = -16005

B recieved a packet!

Setting Checksum = -16005

Getting Checksum = -16005

Received packet 4 expecting 4

Setting Checksum = -6

We are sending the packet up

B: 5050.8941, Layer 4 to 5 Message = &}wq&e_XRLF?93-'~xrl

A has received a pcket.

Setting Checksum = -6

Getting Checksum = -6

A received an ACK

Getting unACKed packets

unACKed packet: 4

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 5108.7676, Layer 5 to 4 Message = '2=IT'kv\$x:FQ]hs~,7C

A window is not full, sending a message

Setting Checksum = -15503

B recieved a packet!

Setting Checksum = -15503

Getting Checksum = -15503

Received packet 5 expecting 5

Setting Checksum = -7

We are sending the packet up

B: 5113.5593, Layer 4 to 5 Message = '2=IT'kv\$x:FQ]hs~,7C

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15503

Getting Checksum = -15503

Received packet 5 expecting 6

Resening ACK!

A has received a pcket.

Setting Checksum = -7

Getting Checksum = -7

A received an ACK

Getting unACKed packets

unACKed packet: 5

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 5890.0438, Layer 5 to 4 Message = $(Eb \sim = Z(6SpxLi(Eb \sim = Zw))$

A window is not full, sending a message

Setting Checksum = -16820

B recieved a packet!

Setting Checksum = -15548

Getting Checksum = -9847220

Detected Corruption...

Resending last ACK

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16820

Getting Checksum = -16820

Received packet 6 expecting 6

Setting Checksum = -8

We are sending the packet up

B: 6004.7485, Layer 4 to 5 Message = $(Eb \sim Z(6SpxLi(Eb \sim Zw)))$

A has received a pcket.

Setting Checksum = -8

Getting Checksum = -8

A received an ACK

Getting unACKed packets

unACKed packet: 6

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 6123.6071, Layer 5 to 4 Message = $dW(V'U\&)\%SR2Q!P\simON$

A window is not full, sending a message

Setting Checksum = -14240

B recieved a packet!

Setting Checksum = -14240

Getting Checksum = -14240

Received packet 7 expecting 7

Setting Checksum = -9

We are sending the packet up

B: 6129.6440, Layer 4 to 5 Message = $dW(V'U\&)\%SR2Q!P\simON$

A has received a pcket.

Setting Checksum = -9

Getting Checksum = -9

A received an ACK

Getting unACKed packets

unACKed packet: 7

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 6603.1353, Layer 5 to 4 Message = *jL.nP2r*6vX:z]>~aC%

A window is not full, sending a message

Setting Checksum = -15401

B recieved a packet!

Setting Checksum = -15401

Getting Checksum = -15401

Received packet 8 expecting 8

Setting Checksum = -10

We are sending the packet up

B: 6631.3388, Layer 4 to 5 Message = *jL.nP2r*6vX:z]>~aC%

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15401

Getting Checksum = -15401

Received packet 8 expecting 9

Resening ACK!

A has received a pcket.

Setting Checksum = -10

Getting Checksum = -10

A received an ACK

Getting unACKed packets

unACKed packet: 8

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 7134.8744, Layer 5 to 4 Message = +fpdWK>2&+k_RF3-~rfY

A window is not full, sending a message

Setting Checksum = -15651

B recieved a packet!

Setting Checksum = -15651

Getting Checksum = -15651

Received packet 9 expecting 9

Setting Checksum = -11

We are sending the packet up

B: 7139.8099, Layer 4 to 5 Message = +fpdWK>2&+k RF3-~rfY

A has received a pcket.

Setting Checksum = -11

Getting Checksum = -11

A received an ACK

Getting unACKed packets

unACKed packet: 9

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 8362.2072, Layer 5 to 4 Message = ,16;AFKPUZ,ejoty~&+0

A window is not full, sending a message

Setting Checksum = -15508

B recieved a packet!

Setting Checksum = -15508

Getting Checksum = -15508

Received packet 10 expecting 10

Setting Checksum = -12

We are sending the packet up

B: 8388.1282, Layer 4 to 5 Message = ,16;AFKPUZ,ejoty~&+0

A has received a pcket.

Setting Checksum = -12

Getting Checksum = -12

A received an ACK

Getting unACKed packets

unACKed packet: 10

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 9606.0063, Layer 5 to 4 Message = $-DZq*AWn'=T-\$:Qh\sim7Ne$

A window is not full, sending a message

Setting Checksum = -14734

B recieved a packet!

Setting Checksum = -14734

Getting Checksum = -14734

Received packet 11 expecting 11

Setting Checksum = -13

We are sending the packet up

B: 9627.1601, Layer 4 to 5 Message = $-DZq*AWn'=T-\$:Qh\sim7Ne$

A has received a pcket.

Setting Checksum = -13

Getting Checksum = -13

A received an ACK

Getting unACKed packets

unACKed packet: 11

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 11283.9291, Layer 5 to 4 Message = $.V\sim Iq;d.V\sim Iq.d.V\sim Iq;$

A window is not full, sending a message

Setting Checksum = -16232

B recieved a packet!

Setting Checksum = -16232

Getting Checksum = -16232

Received packet 12 expecting 12

Setting Checksum = -14

We are sending the packet up

B: 11290.9462, Layer 4 to 5 Message = $.V\sim Iq;d.V\sim Iq.d.V\sim Iq;$

A has received a pcket.

Setting Checksum = -14

Getting Checksum = -14

A received an ACK

Getting unACKed packets

unACKed packet: 12

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 12663.0317, Layer 5 to 4 Message = $xiE\sim Z6pL(b=wSxiE\sim Z6p$

A window is not full, sending a message

Setting Checksum = -17297

B recieved a packet!

Setting Checksum = -17297

Getting Checksum = -17297

Received packet 13 expecting 13

Setting Checksum = -15

We are sending the packet up

B: 12688.5226, Layer 4 to 5 Message = $xiE\sim Z6pL(b=wSxiE\sim Z6p$

A has received a pcket.

Setting Checksum = 255

Getting Checksum = -256

A received a corrupt packet

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -17297

Getting Checksum = -17297

Received packet 13 expecting 14

Resening ACK!

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -17297

Getting Checksum = -17297

Received packet 13 expecting 14

Resening ACK!

A has received a pcket.

Setting Checksum = -15

Getting Checksum = -15

A received an ACK

Getting unACKed packets

unACKed packet: 13

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 14199.5803, Layer 5 to 4 Message = $d{iVD1|jWE2}2X03\sim IYG$

A window is not full, sending a message

Setting Checksum = -15785

B recieved a packet!

Setting Checksum = -15785

Getting Checksum = -15785

Received packet 14 expecting 14

Setting Checksum = -16

We are sending the packet up

B: 14225.9669, Layer 4 to 5 Message = d{iVD1|jWE2}2X03~lYG

A has received a pcket.

Setting Checksum = -16

Getting Checksum = -16

A received an ACK

Getting unACKed packets

unACKed packet: 14

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 15875.4213, Layer 5 to 4 Message = 10x.-,+*)('&%\$#1~}|{

A window is not full, sending a message

Setting Checksum = -13737

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -13737

Getting Checksum = -13737

Received packet 15 expecting 15

Setting Checksum = -17

We are sending the packet up

B: 15931.6736, Layer 4 to 5 Message = $10x.-,+*)('&\%$#1~}|{}$

A has received a pcket.

Setting Checksum = -17

Getting Checksum = -17

A received an ACK

Getting unACKed packets

unACKed packet: 15

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 17827.8305, Layer 5 to 4 Message = 2CSdt'7HXiy,<M^n21BR

A window is not full, sending a message

Setting Checksum = -14452

B recieved a packet!

Setting Checksum = -14452

Getting Checksum = -7550977

Detected Corruption...

Resending last ACK

A has received a pcket.

Setting Checksum = -13

Getting Checksum = 16777199

A received a corrupt packet

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -14452

Getting Checksum = -14452

Received packet 16 expecting 16

Setting Checksum = -18

We are sending the packet up

B: 17880.0630, Layer 4 to 5 Message = 2CSdt'7HXiy,<M^n21BR

A has received a pcket.

Setting Checksum = -18

Getting Checksum = -18

A received an ACK

Getting unACKed packets

unACKed packet: 16

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 18344.8288, Layer 5 to 4 Message = 3Uw; $^{1}Df*Ln2Tv: ^{2}e$)

A window is not full, sending a message

Setting Checksum = -15080

B recieved a packet!

Setting Checksum = -15080

Getting Checksum = -15080

Received packet 17 expecting 17

Setting Checksum = -19

We are sending the packet up

B: 18360.0943, Layer 4 to 5 Message = 3Uw; $^{1}Df*Ln2Tv: ^{2}e$)

A has received a pcket.

Setting Checksum = -19

Getting Checksum = -19

A received an ACK

Getting unACKed packets

unACKed packet: 17

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 19088.9701, Layer 5 to 4 Message = 4f = qGzP&Yxc8lB3K~T4

A window is not full, sending a message

Setting Checksum = -15779

B recieved a packet!

Setting Checksum = -15779

Getting Checksum = -15779

Received packet 18 expecting 18

Setting Checksum = -20

We are sending the packet up

B: 19094.5738, Layer 4 to 5 Message = 4f=qGzP&Yxc8lB3K~T4

A has received a pcket.

Setting Checksum = -20

Getting Checksum = -20

A received an ACK

Getting unACKed packets

unACKed packet: 18

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 20981.7325, Layer 5 to 4 Message = 5zbI0u]D+pW>&kR9~fM5

A window is not full, sending a message

Setting Checksum = -15265

B recieved a packet!

Setting Checksum = -15265

Getting Checksum = -15265

Received packet 19 expecting 19

Setting Checksum = -21

We are sending the packet up

B: 20985.7586, Layer 4 to 5 Message = 5zbI0u]D+pW>&kR9~fM5

A has received a pcket.

Setting Checksum = -21

Getting Checksum = -21

A received an ACK

Getting unACKed packets

unACKed packet: 19

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 22314.8539, Layer 5 to 4 Message = 6x(~wpibZSLE=6x(~wpi

A window is not full, sending a message

Setting Checksum = -17701

B recieved a packet!

Setting Checksum = -17701

Getting Checksum = -17701

Received packet 20 expecting 20

Setting Checksum = -22

We are sending the packet up

B: 22333.9249, Layer 4 to 5 Message = 6x(~wpibZSLE=6x(~wpi

A has received a pcket.

Setting Checksum = -22

Getting Checksum = -22

A received an ACK

Getting unACKed packets

unACKed packet: 20

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 24083.9211, Layer 5 to 4 Message = d7LVaku!,6AK2`jt~+5?

A window is not full, sending a message

Setting Checksum = -14626

B recieved a packet!

Setting Checksum = -14626

Getting Checksum = -14626

Received packet 21 expecting 21

Setting Checksum = -23

We are sending the packet up

B: 24098.9284, Layer 4 to 5 Message = d7LVaku!,6AK2`jt~+5?

A has received a pcket.

Setting Checksum = -23

Getting Checksum = -23

A received an ACK

Getting unACKed packets

unACKed packet: 21

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 24622.9611, Layer 5 to 4 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt

A window is not full, sending a message

Setting Checksum = -16210

B recieved a packet!

Setting Checksum = -16210

Getting Checksum = -16210

Received packet 22 expecting 22

Setting Checksum = -24

We are sending the packet up

B: 24632.2369, Layer 4 to 5 Message = 8T8.Jf\$?[w5Qm+Gc~<Xt

A has received a pcket.

Setting Checksum = -24

Getting Checksum = -24

A received an ACK

Getting unACKed packets

unACKed packet: 22

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 25276.6665, Layer 5 to 4 Message = $9g693a0^{-2*}W'TQ^{N}K$

A window is not full, sending a message

Setting Checksum = -14848

B recieved a packet!

Setting Checksum = -14848

Getting Checksum = -14848

Received packet 23 expecting 23

Setting Checksum = -25

We are sending the packet up

B: 25294.5258, Layer 4 to 5 Message = $9g693a0^-Z*W'T$Q~N{K}$

A has received a pcket.

Setting Checksum = -25

Getting Checksum = -25

A received an ACK

Getting unACKed packets

unACKed packet: 23

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 26329.9537, Layer 5 to 4 Message = $:yZ;:[<{]=|^>}_?~A!$

A window is not full, sending a message

Setting Checksum = -16067

B recieved a packet!

Setting Checksum = -16067

Getting Checksum = -16067

Received packet 24 expecting 24

Setting Checksum = -26

We are sending the packet up

B: 26330.9608, Layer 4 to 5 Message = yZ;:[$\{ \} = | \land \}$]?~`A!

A has received a pcket.

Setting Checksum = -26

Getting Checksum = -26

A received an ACK

Getting unACKed packets

unACKed packet: 24

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 26660.3266, Layer 5 to 4 Message = ;.~qd;I;.~qdVI;.~qdV

A window is not full, sending a message

Setting Checksum = -16809

B recieved a packet!

Setting Checksum = -16809

Getting Checksum = -16809

Received packet 25 expecting 25

Setting Checksum = -27

We are sending the packet up

B: 26664.5080, Layer 4 to 5 Message = ;.~qd;I;.~qdVI;.~qdV

A has received a pcket.

Setting Checksum = -27

Getting Checksum = -27

A received an ACK

Getting unACKed packets

unACKed packet: 25

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 27690.3052, Layer 5 to 4 Message = $\langle AEIMQ \langle Y \rangle bfjnrvz \rangle$.

A window is not full, sending a message

Setting Checksum = -16487

B recieved a packet!

Setting Checksum = -16487

Getting Checksum = -16487

Received packet 26 expecting 26

Setting Checksum = -28

We are sending the packet up

B: 27720.3065, Layer 4 to 5 Message = $\langle AEIMQ \langle Y \rangle bfjnrvz \rangle$

A has received a pcket.

Setting Checksum = -28

Getting Checksum = -28

A received an ACK

Getting unACKed packets

unACKed packet: 26

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 28694.4605, Layer 5 to 4 Message = =fi \sim 6Lb=xEZp(=3i \sim 6Lb

A window is not full, sending a message

Setting Checksum = -15768

B recieved a packet!

Setting Checksum = -15768

Getting Checksum = -15768

Received packet 27 expecting 27

Setting Checksum = -29

We are sending the packet up

B: 28711.6418, Layer 4 to 5 Message = $= fi \sim 6Lb = xEZp(=3i \sim 6Lb)$

A has received a pcket.

Setting Checksum = -29

Getting Checksum = -29

A received an ACK

Getting unACKed packets

unACKed packet: 27

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 29583.3059, Layer 5 to 4 Message = dfxV}Gn7>(Ov2g0W~Ho8

A window is not full, sending a message

Setting Checksum = -15691

B recieved a packet!

Setting Checksum = -15691

Getting Checksum = -15691

Received packet 28 expecting 28

Setting Checksum = -30

We are sending the packet up

B: 29593.5549, Layer 4 to 5 Message = dfxV}Gn7>(Ov2g0W~Ho8

A has received a pcket.

Setting Checksum = -30

Getting Checksum = -30

A received an ACK

Getting unACKed packets

unACKed packet: 28

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 30785.9935, Layer 5 to 4 Message = $?xS.gBzU0?D|W2kF\sim Y4m$

A window is not full, sending a message

Setting Checksum = -16296

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16296

Getting Checksum = -16296

Received packet 29 expecting 29

Setting Checksum = -31

We are sending the packet up

B: 30839.3807, Layer 4 to 5 Message = ?xS.gBzU0?D|W2kF~Y4m

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16296

Getting Checksum = -16296

Received packet 29 expecting 30

Resening ACK!

A has received a pcket.

Setting Checksum = -31

Getting Checksum = -31

A received an ACK

Getting unACKed packets

unACKed packet: 29

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 31775.2315, Layer 5 to 4 Message = A-wdP<)s`LA%o[H4~kWD

A window is not full, sending a message

Setting Checksum = -15790

B recieved a packet!

Setting Checksum = -24855

Getting Checksum = -15790

Detected Corruption...

Resending last ACK

A has received a pcket.

Setting Checksum = -31

Getting Checksum = -31

A received an ACK

Getting unACKed packets

unACKed packet: 30

Seq number is higher, no packets to ack.

Sending any messages in the buffer, that fit in window

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15790

Getting Checksum = -15790

Received packet 30 expecting 30

Setting Checksum = -32

We are sending the packet up

B: 31831.5046, Layer 4 to 5 Message = A-wdP<)s`LA%o[H4~kWD

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15790

Getting Checksum = -15790

Received packet 30 expecting 31

Resening ACK!

A has received a pcket.

Setting Checksum = -17

Getting Checksum = 16777184

A received a corrupt packet

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15790

Getting Checksum = -15790

Received packet 30 expecting 31

Resening ACK!

A has received a pcket.

Setting Checksum = -32

Getting Checksum = -32

A received an ACK

Getting unACKed packets

unACKed packet: 30

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 33528.0924, Layer 5 to 4 Message = B?=;97531x-B)'%#~|zx

A window is not full, sending a message

Setting Checksum = -14862

B recieved a packet!

Setting Checksum = -14862

Getting Checksum = -14862

Received packet 31 expecting 31

Setting Checksum = -33

We are sending the packet up

B: 33544.3731, Layer 4 to 5 Message = B?=;97531x-B)'\%#~|zx

Printing the contents of the Simulation Event Q

Event Time = 33578.092 A: Timer

Event Time = 34223.081 A: LAYER 5

A has received a pcket.

Setting Checksum = -33

Getting Checksum = -33

A received an ACK

Getting unACKed packets

unACKed packet: 31

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

Printing the contents of the Simulation Event Q

A: 34223.0810, Layer 5 to 4 Message = CRbq#2BQap!1CP`o~0?O

A window is not full, sending a message

Setting Checksum = -14976

Printing the contents of the Simulation Event Q

Event Time = 34273.081 A: Timer

Event Time = 36217.011 A: LAYER 5

B recieved a packet!

Setting Checksum = -15054

Getting Checksum = -14976

Detected Corruption...

Resending last ACK

Printing the contents of the Simulation Event Q

Event Time = 34279.912 A: LAYER 3 Seq/Ack/Check = 31/255/33554399:

Event Time = 36217.011 A: LAYER 5

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

Printing the contents of the Simulation Event Q

Event Time = 34293.883 B: LAYER 3 Seq/Ack/Check = 32/0/-14976: CRbq#2BQap!1CP`o~0?O

Event Time = 34323.081 A: Timer Event Time = 36217.011 A: LAYER 5

A has received a pcket.

Setting Checksum = -287

Getting Checksum = 33554399

A received a corrupt packet

Printing the contents of the Simulation Event Q

Event Time = 34323.081 A: Timer

Event Time = 36217.011 A: LAYER 5

B recieved a packet!

Setting Checksum = -14976

Getting Checksum = -14976

Received packet 32 expecting 32

Setting Checksum = -34

We are sending the packet up

B: 34293.8826, Layer 4 to 5 Message = CRbq#2BQap!1CP`o~0?O

A has received a pcket.

Setting Checksum = -34

Getting Checksum = -34

A received an ACK

Getting unACKed packets

unACKed packet: 32

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 36217.0105, Layer 5 to 4 Message = De(Ij-No2St7XD<\\~Bc&

A window is not full, sending a message

Setting Checksum = -15072

B recieved a packet!

Setting Checksum = -15072

Getting Checksum = -15072

Received packet 33 expecting 33

Setting Checksum = -35

We are sending the packet up

B: 36223.1724, Layer 4 to 5 Message = De(Ij-No2St7XD<^~Bc&

A has received a pcket.

Setting Checksum = -35

Getting Checksum = -35

A received an ACK

Getting unACKed packets

unACKed packet: 33

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 37300.9595, Layer 5 to 4 Message = $EwL \sim S(Zxb6i = pEEL \sim S(Zxb6i =$

A window is not full, sending a message

Setting Checksum = -15791

B recieved a packet!

Setting Checksum = -15791

Getting Checksum = -15791

Received packet 34 expecting 34

Setting Checksum = -36

We are sending the packet up

B: 37311.7065, Layer 4 to 5 Message = EwL \sim S(Zxb6i=pEEL \sim S(Z

A has received a pcket.

Setting Checksum = -36

Getting Checksum = -36

A received an ACK

Getting unACKed packets

unACKed packet: 34

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 38404.6614, Layer 5 to 4 Message = d,pV<#gM3w^D2nTF~eK1

A window is not full, sending a message

Setting Checksum = -15571

B recieved a packet!

Setting Checksum = -15571

Getting Checksum = -15571

Received packet 35 expecting 35

Setting Checksum = -37

We are sending the packet up

B: 38431.1238, Layer 4 to 5 Message = d,pV<#gM3w^D2nTF~eK1

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A has received a pcket.

Setting Checksum = -37

Getting Checksum = -37

A received an ACK

Getting unACKed packets

unACKed packet: 35

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

B recieved a packet!

Setting Checksum = -15571

Getting Checksum = -15571

Received packet 35 expecting 36

Resening ACK!

A has received a pcket.

Setting Checksum = -37

Getting Checksum = -37

A: 40324.0133, Layer 5 to 4 Message = Gf6.&{skcZRJB93)Gvnf

A window is not full, sending a message

Setting Checksum = -15749

B recieved a packet!

Setting Checksum = -15749

Getting Checksum = -15749

Received packet 36 expecting 36

Setting Checksum = -38

We are sending the packet up

B: 40331.3118, Layer 4 to 5 Message = Gf6.&{skcZRJB93)Gvnf

A has received a pcket.

Setting Checksum = -38

Getting Checksum = -38

A received an ACK

Getting unACKed packets

unACKed packet: 36

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 40855.0012, Layer 5 to 4 Message = HQZdmv!+4=GPYclu~H3<

A window is not full, sending a message

Setting Checksum = -15599

B recieved a packet!

Setting Checksum = -15599

Getting Checksum = -15599

Received packet 37 expecting 37

Setting Checksum = -39

We are sending the packet up

B: 40872.9694, Layer 4 to 5 Message = HQZdmv!+4=GPYclu~H3<

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15599

Getting Checksum = -15599

Received packet 37 expecting 38

Resening ACK!

A has received a pcket.

Setting Checksum = -39

Getting Checksum = -39

A received an ACK

Getting unACKed packets

unACKed packet: 37

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 41008.9198, Layer 5 to 4 Message = $Id\sim$; Vq. $Id\sim$; Vq. $Id\sim$; Iq

A window is not full, sending a message

Setting Checksum = -16690

B recieved a packet!

Setting Checksum = -16690

Getting Checksum = -16690

Received packet 38 expecting 38

Setting Checksum = -40

We are sending the packet up

B: 41020.3594, Layer 4 to 5 Message = Id~;Vq.Id~;Vq.Id~;Iq

A has received a pcket.

Setting Checksum = -40

Getting Checksum = -40

A received an ACK

Getting unACKed packets

unACKed packet: 38

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 42911.9951, Layer 5 to 4 Message = JvEq?l:g5b0]+W&R~MyJ

A window is not full, sending a message

Setting Checksum = -15623

B recieved a packet!

Setting Checksum = -15623

Getting Checksum = -15623

Received packet 39 expecting 39

Setting Checksum = -41

We are sending the packet up

B: 42924.5303, Layer 4 to 5 Message = JvEq?l:g5b0]+W&R~MyJ

A has received a pcket.

Setting Checksum = -41

Getting Checksum = -41

A received an ACK

Getting unACKed packets

unACKed packet: 39

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 43956.2581, Layer 5 to 4 Message = K+iI)gG'eE%cC#aA~_>

A window is not full, sending a message

Setting Checksum = -15474

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15474

Getting Checksum = -15474

Received packet 40 expecting 40

Setting Checksum = -42

We are sending the packet up

B: 44025.3165, Layer 4 to 5 Message = K+iI)gG'eE%cC#aA~ >

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15474

Getting Checksum = -15474

Received packet 40 expecting 41

Resening ACK!

A has received a pcket.

Setting Checksum = -42

Getting Checksum = -42

A received an ACK

Getting unACKed packets

unACKed packet: 40

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 45145.8878, Layer 5 to 4 Message = $LLx\sim pbSE6$ (wiZL= $x\sim pbS$

A window is not full, sending a message

Setting Checksum = -17775

B recieved a packet!

Setting Checksum = -17775

Getting Checksum = -17775

Received packet 41 expecting 41

Setting Checksum = -43

We are sending the packet up

B: 45170.7309, Layer 4 to 5 Message = $LLx\sim pbSE6$ (wiZL= $x\sim pbS$

A has received a pcket.

Setting Checksum = -43

Getting Checksum = -43

A received an ACK

Getting unACKed packets

unACKed packet: 41

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 46742.0540, Layer 5 to 4 Message = dPMVY]`cfilo2ux{~\$'*

A window is not full, sending a message

Setting Checksum = -16461

B recieved a packet!

Setting Checksum = -16461

Getting Checksum = -16461

Received packet 42 expecting 42

Setting Checksum = -44

We are sending the packet up

B: 46765.1458, Layer 4 to 5 Message = dPMVY]`cfilo2ux{~\$'*

A has received a pcket.

Setting Checksum = -44

Getting Checksum = -44

A received an ACK

Getting unACKed packets

unACKed packet: 42

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 47458.2443, Layer 5 to 4 Message = NcwNCWl#7Lau,AUj~5J_

A window is not full, sending a message

Setting Checksum = -15799

B recieved a packet!

Setting Checksum = -15799

Getting Checksum = -15799

Received packet 43 expecting 43

Setting Checksum = -45

We are sending the packet up

B: 47484.0021, Layer 4 to 5 Message = NcwNCWl#7Lau, AUj~5J_

A has received a pcket.

Setting Checksum = -45

Getting Checksum = -45

A received an ACK

Getting unACKed packets

unACKed packet: 43

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 49113.0285, Layer 5 to 4 Message = Ou=dORxAgxU{Dj2X~Gm5

A window is not full, sending a message

Setting Checksum = -16998

B recieved a packet!

Setting Checksum = -16998

Getting Checksum = -16998

Received packet 44 expecting 44

Setting Checksum = -46

We are sending the packet up

B: 49117.9462, Layer 4 to 5 Message = Ou=dORxAgxU{Dj2X~Gm5

A has received a pcket.

Setting Checksum = 368

Getting Checksum = -256

A received a corrupt packet

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16998

Getting Checksum = -16998

Received packet 44 expecting 45

Resening ACK!

A has received a pcket.

Setting Checksum = -34

Getting Checksum = -65326

A received a corrupt packet

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16998

Getting Checksum = -16998

Received packet 44 expecting 45

Resening ACK!

A has received a pcket.

Setting Checksum = -46

Getting Checksum = -46

A received an ACK

Getting unACKed packets

unACKed packet: 44

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 49607.0975, Layer 5 to 4 Message = Pfb;sP'_8pJ\$[53G~X2]

A window is not full, sending a message

Setting Checksum = -14858

B recieved a packet!

Setting Checksum = -14858

Getting Checksum = -14858

Received packet 45 expecting 45

Setting Checksum = -47

We are sending the packet up

B: 49613.2924, Layer 4 to 5 Message = Pfb;sP'_8pJ\$[53G~X2j]

A has received a pcket.

Setting Checksum = -47

Getting Checksum = -47

A received an ACK

Getting unACKed packets

unACKed packet: 45

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 51274.6590, Layer 5 to 4 Message = $Q<(q]HQ|hS>*s_J5~jUA$

A window is not full, sending a message

Setting Checksum = -16302

B recieved a packet!

Setting Checksum = -1006649202

Getting Checksum = -16302

Detected Corruption...

Resending last ACK

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16302

Getting Checksum = -16302

Received packet 46 expecting 46

Setting Checksum = -48

We are sending the packet up

B: 51343.1996, Layer 4 to 5 Message = $Q<(q]HQ|hS>*s_J5\sim jUA$

A has received a pcket.

Setting Checksum = -48

Getting Checksum = -48

A received an ACK

Getting unACKed packets

unACKed packet: 46

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 52181.3532, Layer 5 to 4 Message = ROLIFC?R9630-*'\$~{xu

A window is not full, sending a message

Setting Checksum = -14707

B recieved a packet!

Setting Checksum = -14707

Getting Checksum = -14707

Received packet 47 expecting 47

Setting Checksum = -49

We are sending the packet up

B: 52200.3245, Layer 4 to 5 Message = ROLIFC?R9630-*'\$~{xu

A has received a pcket.

Setting Checksum = -49

Getting Checksum = -49

A received an ACK

Getting unACKed packets

unACKed packet: 47

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 53118.1931, Layer 5 to 4 Message = $Sbp \sim x = LZSw(6ESbp \sim x = LZSw($

A window is not full, sending a message

Setting Checksum = -16906

B recieved a packet!

Setting Checksum = -16906

Getting Checksum = -16906

Received packet 48 expecting 48

Setting Checksum = -50

We are sending the packet up

B: 53120.2291, Layer 4 to 5 Message = Sbp~x=LZSw(6ESbp~x=L

A has received a pcket.

Setting Checksum = -50

Getting Checksum = -50

A received an ACK

Getting unACKed packets

unACKed packet: 48

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 55002.9189, Layer 5 to 4 Message = dt6Vv8Xx:Tz<2|> ~Aa#

A window is not full, sending a message

Setting Checksum = -15789

B recieved a packet!

Setting Checksum = -15789

Getting Checksum = -15789

Received packet 49 expecting 49

Setting Checksum = -51

We are sending the packet up

B: 55004.3105, Layer 4 to 5 Message = $dt6Vv8Xx:Tz<2|>_~Aa#$

A has received a pcket.

Setting Checksum = -51

Getting Checksum = -51

A received an ACK

Getting unACKed packets

unACKed packet: 49

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 56214.4122, Layer 5 to 4 Message = U)Z.`3e8j=UCtHyM~R&W

A window is not full, sending a message

Setting Checksum = -15955

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15955

Getting Checksum = -15955

Received packet 50 expecting 50

Setting Checksum = -52

We are sending the packet up

B: 56279.9713, Layer 4 to 5 Message = U)Z.`3e8j=UCtHyM~R&W

A has received a pcket.

Setting Checksum = -52

Getting Checksum = -52

A received an ACK

Getting unACKed packets

unACKed packet: 50

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 57759.0083, Layer 5 to 4 Message = V;~dI.qV;~dV.qV;~dI.

A window is not full, sending a message

Setting Checksum = -16031

B recieved a packet!

Setting Checksum = -16031

Getting Checksum = -16031

Received packet 51 expecting 51

Setting Checksum = -53

We are sending the packet up

B: 57777.4063, Layer 4 to 5 Message = V;~dI.qV;~dV.qV;~dI.

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16031

Getting Checksum = -16031

Received packet 51 expecting 52

Resening ACK!

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16031

Getting Checksum = -16031

Received packet 51 expecting 52

Resening ACK!

A has received a pcket.

Setting Checksum = -53

Getting Checksum = -53

A received an ACK

Getting unACKed packets

unACKed packet: 51

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 59444.6495, Layer 5 to 4 Message = WNE;2)}tkbXOW<3*~ulc

A window is not full, sending a message

Setting Checksum = -16898

B recieved a packet!

Setting Checksum = -16898

Getting Checksum = -16898

Received packet 52 expecting 52

Setting Checksum = -54

We are sending the packet up

B: 59464.8543, Layer 4 to 5 Message = WNE;2)}tkbXOW<3*~ulc

A has received a pcket.

Setting Checksum = -54

Getting Checksum = -54

A received an ACK

Getting unACKed packets

unACKed packet: 52

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 59530.6426, Layer 5 to 4 Message = Xaiqy\$,4<EMU\Xnv\\2)19

A window is not full, sending a message

Setting Checksum = -15058

B recieved a packet!

Setting Checksum = -15058

Getting Checksum = -15058

Received packet 53 expecting 53

Setting Checksum = -55

We are sending the packet up

B: 59541.7496, Layer 4 to 5 Message = Xaiqy\$,4<EMU\Xnv\-)19

A has received a pcket.

Setting Checksum = -39

Getting Checksum = -65335

A received a corrupt packet

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15058

Getting Checksum = -15058

Received packet 53 expecting 54

Resening ACK!

A has received a pcket.

Setting Checksum = -55

Getting Checksum = -55

A received an ACK

Getting unACKed packets

unACKed packet: 53

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 60661.1022, Layer 5 to 4 Message = YfxIc|8Rl(B[u1Ye~:Tn

A window is not full, sending a message

Setting Checksum = -16833

B recieved a packet!

Setting Checksum = -16658

Getting Checksum = -16833

Detected Corruption...

Resending last ACK

A has received a pcket.

Setting Checksum = -55

Getting Checksum = -55

A received an ACK

Getting unACKed packets

unACKed packet: 54

Seq number is higher, no packets to ack.

Sending any messages in the buffer, that fit in window

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16833

Getting Checksum = -16833

Received packet 54 expecting 54

Setting Checksum = -56

We are sending the packet up

B: 60741.2961, Layer 4 to 5 Message = YfxIc|8Rl(B[u1Ye~:Tn

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16833

Getting Checksum = -16833

Received packet 54 expecting 55

Resening ACK!

A has received a pcket.

Setting Checksum = -44

Getting Checksum = -16711736

A received a corrupt packet

A has received a pcket.

Setting Checksum = -56

Getting Checksum = -56

A received an ACK

Getting unACKed packets

unACKed packet: 54

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 62510.0270, Layer 5 to 4 Message = $Z(S\sim LwEp=i6bxZ(Z\sim LwE)$

A window is not full, sending a message

Setting Checksum = -17069

B recieved a packet!

Setting Checksum = -17069

Getting Checksum = -17069

Received packet 55 expecting 55

Setting Checksum = -57

We are sending the packet up

B: 62531.4053, Layer 4 to 5 Message = Z(S~LwEp=i6bxZ(Z~LwE

A has received a pcket.

Setting Checksum = -57

Getting Checksum = -57

A received an ACK

Getting unACKed packets

unACKed packet: 55

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 62991.8188, Layer 5 to 4 Message = d:wV5rQ0mL+h2&cB[$^{<}$ v]

A window is not full, sending a message

Setting Checksum = -15248

B recieved a packet!

Setting Checksum = -15248

Getting Checksum = -15248

Received packet 56 expecting 56

Setting Checksum = -58

We are sending the packet up

B: 62999.0432, Layer 4 to 5 Message = d:wV5rQ0mL+h2&cB[$^{<}$ y

A: 63008.6171, Layer 5 to 4 Message = $]M=.|m \land N>x n_0?0\sim]`P$

Window is full, adding to message buffer

A has received a pcket.

Setting Checksum = -58

Getting Checksum = -58

A received an ACK

Getting unACKed packets

unACKed packet: 56

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

Setting Checksum = -17196

B recieved a packet!

Setting Checksum = -17196

Getting Checksum = -17196

Received packet 57 expecting 57

Setting Checksum = -59

We are sending the packet up

B: 63027.9437, Layer 4 to 5 Message = $]M=.|m^N>x_n_0?0^-]^P$

A has received a pcket.

Setting Checksum = -59

Getting Checksum = -59

A received an ACK

Getting unACKed packets

unACKed packet: 57

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 64805.8208, Layer 5 to 4 Message = $^\circ$ bdfhjlnprtvxz| $^+$

A window is not full, sending a message

Setting Checksum = -18863

B recieved a packet!

Setting Checksum = -18863

Getting Checksum = -18863

Received packet 58 expecting 58

Setting Checksum = -60

We are sending the packet up

B: 64814.3276, Layer 4 to 5 Message = \land bdfhjlnprtvxz| \sim # \land '

A has received a pcket.

Setting Checksum = -60

Getting Checksum = -60

A received an ACK

Getting unACKed packets

unACKed packet: 58

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 66345.3260, Layer 5 to 4 Message = $_r(;Ocv,?Sgz0DWk\sim4H_$

A window is not full, sending a message

Setting Checksum = -16165

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16165

Getting Checksum = -16165

Received packet 59 expecting 59

Setting Checksum = -61

We are sending the packet up

B: 66547.5574, Layer 4 to 5 Message = $_r(;Ocv,?Sgz0DWk\sim4H_$

A has received a pcket.

Setting Checksum = -61

Getting Checksum = -61

A received an ACK

Getting unACKed packets

unACKed packet: 59

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 67793.1776, Layer 5 to 4 Message = `'Lq8\%Jo6[#Hm4Y~Fk2

A window is not full, sending a message

Setting Checksum = -15120

B recieved a packet!

Setting Checksum = -15120

Getting Checksum = -15120

Received packet 60 expecting 60

Setting Checksum = -62

We are sending the packet up

B: 67811.3070, Layer 4 to 5 Message = `'Lq8\%Jo6[#Hm4Y~Fk2

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15120

Getting Checksum = -15120

Received packet 60 expecting 61

Resening ACK!

A has received a pcket.

Setting Checksum = -62

Getting Checksum = -62

A received an ACK

Getting unACKed packets

unACKed packet: 60

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 68532.4118, Layer 5 to 4 Message = aapI!X1hAwP)`8oH~W0g

A window is not full, sending a message

Setting Checksum = -15868

B recieved a packet!

Setting Checksum = -15868

Getting Checksum = -15868

Received packet 61 expecting 61

Setting Checksum = -63

We are sending the packet up

B: 68533.5389, Layer 4 to 5 Message = aapI!X1hAwP)`8oH~W0g

A has received a pcket.

Setting Checksum = -63

Getting Checksum = -63

A received an ACK

Getting unACKed packets

unACKed packet: 61

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 69675.3565, Layer 5 to 4 Message = $bLb\sim iS=(pZExwbL6\sim iS=$

A window is not full, sending a message

Setting Checksum = -16940

B recieved a packet!

Setting Checksum = -16940

Getting Checksum = -16940

Received packet 62 expecting 62

Setting Checksum = -64

We are sending the packet up

B: 69676.6344, Layer 4 to 5 Message = bLb~iS=(pZExwbL6~iS=

A has received a pcket.

Setting Checksum = -64

Getting Checksum = -64

A received an ACK

Getting unACKed packets

unACKed packet: 62

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 70448.1781, Layer 5 to 4 Message = dfZcRNJFB=952-3%~zvr

A window is not full, sending a message

Setting Checksum = -15359

B recieved a packet!

Setting Checksum = -15359

Getting Checksum = -15359

Received packet 63 expecting 63

Setting Checksum = -65

We are sending the packet up

B: 70449.2042, Layer 4 to 5 Message = dfZcRNJFB=952-3%~zvr

A has received a pcket.

Setting Checksum = -65

Getting Checksum = -65

A received an ACK

Getting unACKed packets

unACKed packet: 63

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 70685.5185, Layer 5 to 4 Message = dq~.dIVdq~.;IVdq~.;I

A window is not full, sending a message

Setting Checksum = -16032

B recieved a packet!

Setting Checksum = -16032

Getting Checksum = -16032

Received packet 64 expecting 64

Setting Checksum = -66

We are sending the packet up

B: 70704.2245, Layer 4 to 5 Message = $dq^{dV}dq^{J}$.

Printing the contents of the Simulation Event Q

Event Time = 70735.518 A: Timer

Event Time = 71803.125 A: LAYER 5

A has received a pcket.

Setting Checksum = -66

Getting Checksum = -66

A received an ACK

Getting unACKed packets

unACKed packet: 64

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

Printing the contents of the Simulation Event Q

A: 71803.1251, Layer 5 to 4 Message = e&Ed%ec\$Cb#Ba!A`~?_}

A window is not full, sending a message

Setting Checksum = -15650

Printing the contents of the Simulation Event Q

Event Time = 71853.125 A: Timer

Event Time = 72901.447 A: LAYER 5

B recieved a packet!

Setting Checksum = -15650

Getting Checksum = -15650

Received packet 65 expecting 65

Setting Checksum = -67

We are sending the packet up

B: 71825.3034, Layer 4 to 5 Message = e&Ed%ec\$Cb#Ba!A`~? }

A has received a pcket.

Setting Checksum = -67

Getting Checksum = -67

A received an ACK

Getting unACKed packets

unACKed packet: 65

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 72901.4467, Layer 5 to 4 Message = $f8i;l>fBrEuHxK{N\sim Q$T}$

A window is not full, sending a message

Setting Checksum = -16765

B recieved a packet!

Setting Checksum = -16765

Getting Checksum = -16765

Received packet 66 expecting 66

Setting Checksum = -68

We are sending the packet up

B: 72906.5670, Layer 4 to 5 Message = $f8i;l>fBrEuHxK{N\sim Q$T}$

A has received a pcket.

Setting Checksum = -68

Getting Checksum = -68

A received an ACK

Getting unACKed packets

unACKed packet: 66

Seq number is higher, no packets to ack.

Sending any messages in the buffer, that fit in window

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16765

Getting Checksum = -16765

Received packet 66 expecting 67

Resening ACK!

A has received a pcket.

Setting Checksum = -68

Getting Checksum = -68

A received an ACK

Getting unACKed packets

unACKed packet: 66

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 73116.6250, Layer 5 to 4 Message = $gKxqU9\{gD(jN2tX < \sim cG +$

A window is not full, sending a message

Setting Checksum = -15662

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15662

Getting Checksum = -15662

Received packet 67 expecting 67

Setting Checksum = -69

We are sending the packet up

B: 73243.7024, Layer 4 to 5 Message = $gKxqU9\{gD(jN2tX < \sim cG +$

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A has received a pcket.

Setting Checksum = -323

Getting Checksum = 33554363

A received a corrupt packet

B recieved a packet!

Setting Checksum = -15662

Getting Checksum = -15662

Received packet 67 expecting 68

Resening ACK!

A has received a pcket.

Setting Checksum = -69

Getting Checksum = -69

A received an ACK

Getting unACKed packets

unACKed packet: 67

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 73696.7441, Layer 5 to 4 Message = $h^SI>4*$ hi TJ?5+~tj`

A window is not full, sending a message

Setting Checksum = -16648

B recieved a packet!

Setting Checksum = -16648

Getting Checksum = -16648

Received packet 68 expecting 68

Setting Checksum = -70

We are sending the packet up

B: 73710.8228, Layer 4 to 5 Message = $h^SI>4*hi_TJ?5+\sim tj$

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16648

Getting Checksum = -16648

Received packet 68 expecting 69

Resening ACK!

A has received a pcket.

Setting Checksum = -70

Getting Checksum = -70

A received an ACK

Getting unACKed packets

unACKed packet: 68

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 75231.3331, Layer 5 to 4 Message = $ipw \sim (x6 = EiSZbipw \sim (x6))$

A window is not full, sending a message

Setting Checksum = -17402

B recieved a packet!

Setting Checksum = -17402

Getting Checksum = -17402

Received packet 69 expecting 69

Setting Checksum = -71

We are sending the packet up

B: 75251.5559, Layer 4 to 5 Message = $ipw \sim (x6=EiSZbipw \sim (x6$

A has received a pcket.

Setting Checksum = -71

Getting Checksum = -71

A received an ACK

Getting unACKed packets

unACKed packet: 69

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 75569.3661, Layer 5 to 4 Message = d%=Vo*C[txja24Mf~9Rk]

A window is not full, sending a message

Setting Checksum = -16694

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16694

Getting Checksum = -16694

Received packet 70 expecting 70

Setting Checksum = -72

We are sending the packet up

B: 75649.7481, Layer 4 to 5 Message = d%=Vo*C[txja24Mf~9Rk

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16694

Getting Checksum = -16694

Received packet 70 expecting 71

Resening ACK!

A has received a pcket.

Setting Checksum = -72

Getting Checksum = -72

A received an ACK

Getting unACKed packets

unACKed packet: 70

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A has received a pcket.

Setting Checksum = -72

Getting Checksum = -72

A: 75869.1295, Layer 5 to 4 Message = $k7b.X\%OyFp < k3^*T\sim KuB$

A window is not full, sending a message

Setting Checksum = -15997

B recieved a packet!

Setting Checksum = -15997

Getting Checksum = -15997

Received packet 71 expecting 71

Setting Checksum = -73

We are sending the packet up

B: 75880.6328, Layer 4 to 5 Message = $k7b.X\%OyFp < k3^*T\sim KuB$

A has received a pcket.

Setting Checksum = -73

Getting Checksum = -73

A received an ACK

Getting unACKed packets

unACKed packet: 71

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 76796.6220, Layer 5 to 4 Message = $lf(dB)[9uS1ml)3C\sim]:v$

A window is not full, sending a message

Setting Checksum = -16192

B recieved a packet!

Setting Checksum = -16192

Getting Checksum = -16192

Received packet 72 expecting 72

Setting Checksum = -74

We are sending the packet up

B: 76797.8162, Layer 4 to 5 Message = $lf(dB)[9uS1ml)3C\sim]:v$

A has received a pcket.

Setting Checksum = -74

Getting Checksum = -74

A received an ACK

Getting unACKed packets

unACKed packet: 72

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 77263.9061, Layer 5 to 4 Message = m]L;+xhWG6&scmB1~n^M

A window is not full, sending a message

Setting Checksum = -16505

B recieved a packet!

Setting Checksum = -16505

Getting Checksum = -16505

Received packet 73 expecting 73

Setting Checksum = -75

We are sending the packet up

B: 77293.1322, Layer 4 to 5 Message = m]L;+xhWG6&scmB1~n^M

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16505

Getting Checksum = -16505

Received packet 73 expecting 74

Resening ACK!

A has received a pcket.

Setting Checksum = -75

Getting Checksum = -75

A received an ACK

Getting unACKed packets

unACKed packet: 73

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A has received a pcket.

Setting Checksum = -75

Getting Checksum = -75

A: 77534.9485, Layer 5 to 4 Message = nopqrstuvwxyz{n}~!#\$

A window is not full, sending a message

Setting Checksum = -18210

B recieved a packet!

Setting Checksum = -18210

Getting Checksum = -18210

Received packet 74 expecting 74

Setting Checksum = -76

We are sending the packet up

B: 77561.1713, Layer 4 to 5 Message = nopqrstuvwxyz $\{n\}$ ~!#\$

A has received a pcket.

Setting Checksum = -76

Getting Checksum = -76

A received an ACK

Getting unACKed packets

unACKed packet: 74

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 78734.8927, Layer 5 to 4 Message = o\$6I[n#5HZm!4GYo~3FX

A window is not full, sending a message

Setting Checksum = -15046

B recieved a packet!

Setting Checksum = -15046

Getting Checksum = -15046

Received packet 75 expecting 75

Setting Checksum = -77

We are sending the packet up

B: 78764.4714, Layer 4 to 5 Message = o\$6I[n#5HZm!4GYo~3FX

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A has received a pcket.

Setting Checksum = -77

Getting Checksum = -77

A received an ACK

Getting unACKed packets

unACKed packet: 75

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

B recieved a packet!

Setting Checksum = -15046

Getting Checksum = -15046

Received packet 75 expecting 76

Resening ACK!

A has received a pcket.

Setting Checksum = -77

Getting Checksum = -77

A: 79211.6593, Layer 5 to 4 Message = $p6Z\sim EixSw=b(Lp6ZpEix$

A window is not full, sending a message

Setting Checksum = -17321

B recieved a packet!

Setting Checksum = -17321

Getting Checksum = -17321

Received packet 76 expecting 76

Setting Checksum = -78

We are sending the packet up

B: 79224.2810, Layer 4 to 5 Message = $p6Z\sim EixSw=b(Lp6ZpEix$

A has received a pcket.

Setting Checksum = -78

Getting Checksum = -78

A received an ACK

Getting unACKed packets

unACKed packet: 76

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 79255.2926, Layer 5 to 4 Message = $dI \sim V.d; qI \sim V.2; qI \sim q.d$

A window is not full, sending a message

Setting Checksum = -16283

B recieved a packet!

Setting Checksum = -16283

Getting Checksum = -16283

Received packet 77 expecting 77

Setting Checksum = -79

We are sending the packet up

B: 79260.2640, Layer 4 to 5 Message = $dI \sim V.d; qI \sim V.2; qI \sim q.d$

A has received a pcket.

Setting Checksum = -79

Getting Checksum = -79

A received an ACK

Getting unACKed packets

unACKed packet: 77

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 80079.0371, Layer 5 to 4 Message = $r[E.u_H1xbK4]eN7\sim hr$:

A window is not full, sending a message

Setting Checksum = -16972

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16972

Getting Checksum = -16972

Received packet 78 expecting 78

Setting Checksum = -80

We are sending the packet up

B: 80152.9799, Layer 4 to 5 Message = r[E.u_H1xbK4{eN7~hr}:

A has received a pcket.

Setting Checksum = -80

Getting Checksum = -80

A received an ACK

Getting unACKed packets

unACKed packet: 78

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 81290.9201, Layer 5 to 4 Message = snid_YTOJE?:50+&~yts

A window is not full, sending a message

Setting Checksum = -15841

B recieved a packet!

Setting Checksum = -15841

Getting Checksum = -15841

Received packet 79 expecting 79

Setting Checksum = -81

We are sending the packet up

B: 81298.9026, Layer 4 to 5 Message = snid_YTOJE?:50+&~yts

A has received a pcket.

Setting Checksum = -81

Getting Checksum = -81

A received an ACK

Getting unACKed packets

unACKed packet: 79

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 82259.7483, Layer 5 to 4 Message = t#x; HTamy(4AMYfr~-9F

A window is not full, sending a message

Setting Checksum = -15505

B recieved a packet!

Setting Checksum = -16066

Getting Checksum = -15505

Detected Corruption...

Resending last ACK

A has received a pcket.

Setting Checksum = -81

Getting Checksum = -81

A received an ACK

Getting unACKed packets

unACKed packet: 80

Seq number is higher, no packets to ack.

Sending any messages in the buffer, that fit in window

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15505

Getting Checksum = -15505

Received packet 80 expecting 80

Setting Checksum = -82

We are sending the packet up

B: 82325.3434, Layer 4 to 5 Message = t#x;HTamy(4AMYfr~-9F

A has received a pcket.

Setting Checksum = -82

Getting Checksum = -82

A received an ACK

Getting unACKed packets

unACKed packet: 80

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 83882.7622, Layer 5 to 4 Message = uuSq1Om-Ki)Ge%3a~>]z

A window is not full, sending a message

Setting Checksum = -15924

B recieved a packet!

Setting Checksum = -15924

Getting Checksum = -15924

Received packet 81 expecting 81

Setting Checksum = -83

We are sending the packet up

B: 83911.8104, Layer 4 to 5 Message = uuSq1Om-Ki)Ge%3a~>]z

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A has received a pcket.

Setting Checksum = -257

Getting Checksum = -11403347

A received a corrupt packet

B recieved a packet!

Setting Checksum = -15924

Getting Checksum = -15924

Received packet 81 expecting 82

Resening ACK!

A has received a pcket.

Setting Checksum = -83

Getting Checksum = -83

A received an ACK

Getting unACKed packets

unACKed packet: 81

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 85289.0056, Layer 5 to 4 Message = $vHvIxJyKzL\{M|N\}O\sim P!Q$

A window is not full, sending a message

Setting Checksum = -17394

B recieved a packet!

Setting Checksum = -17394

Getting Checksum = -17394

Received packet 82 expecting 82

Setting Checksum = -84

We are sending the packet up

B: 85300.6390, Layer 4 to 5 Message = $vHvIxJyKzL\{M|N\}O\sim P!Q$

A has received a pcket.

Setting Checksum = -84

Getting Checksum = -84

A received an ACK

Getting unACKed packets

unACKed packet: 82

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 86237.1092, Layer 5 to 4 Message = $wZ=wbE(iLxpS6wZ=\sim bE($

A window is not full, sending a message

Setting Checksum = -16140

B recieved a packet!

Setting Checksum = -16140

Getting Checksum = -16140

Received packet 83 expecting 83

Setting Checksum = -85

We are sending the packet up

B: 86250.9894, Layer 4 to 5 Message = wZ=wbE(iLxpS6wZ=~bE(

A has received a pcket.

Setting Checksum = -85

Getting Checksum = -85

A received an ACK

Getting unACKed packets

unACKed packet: 83

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 87835.2223, Layer 5 to 4 Message = dmbVx?4){peY2C7,~sh]

A window is not full, sending a message

Setting Checksum = -16534

B recieved a packet!

Setting Checksum = -16534

Getting Checksum = -16534

Received packet 84 expecting 84

Setting Checksum = -86

We are sending the packet up

B: 87855.7987, Layer 4 to 5 Message = dmbVx?4){peY2C7,~sh]

A has received a pcket.

Setting Checksum = -86

Getting Checksum = -86

A received an ACK

Getting unACKed packets

unACKed packet: 84

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 88177.3892, Layer 5 to 4 Message = y!(.4yAGMSY`flrx~'-3

A window is not full, sending a message

Setting Checksum = -15828

B recieved a packet!

Setting Checksum = -15828

Getting Checksum = -15828

Received packet 85 expecting 85

Setting Checksum = -87

We are sending the packet up

B: 88194.7570, Layer 4 to 5 Message = y!(.4yAGMSY`flrx~'-3

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -14940

Getting Checksum = -15828

Detected Corruption...

Resending last ACK

A has received a pcket.

Setting Checksum = -87

Getting Checksum = -87

A received an ACK

Getting unACKed packets

unACKed packet: 85

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 89148.1108, Layer 5 to 4 Message = $z4Ld{5ze|6Nf}7Og~8Ph$

A window is not full, sending a message

Setting Checksum = -17417

B recieved a packet!

Setting Checksum = -17417

Getting Checksum = -17417

Received packet 86 expecting 86

Setting Checksum = -88

We are sending the packet up

B: 89176.0674, Layer 4 to 5 Message = $z4Ld{5ze|6Nf}7Og~8Ph$

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -17417

Getting Checksum = -17417

Received packet 86 expecting 87

Resening ACK!

A has received a pcket.

Setting Checksum = -88

Getting Checksum = -88

A received an ACK

Getting unACKed packets

unACKed packet: 86

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 89803.3133, Layer 5 to 4 Message = {Gp;e0Y{NwCl7a,U~Js>}

A window is not full, sending a message

Setting Checksum = -16486

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16486

Getting Checksum = -16486

Received packet 87 expecting 87

Setting Checksum = -89

We are sending the packet up

B: 89857.0703, Layer 4 to 5 Message = {Gp;e0Y{NwCl7a,U~Js>}

A has received a pcket.

Setting Checksum = -5701634

Getting Checksum = -89

A received a corrupt packet

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16486

Getting Checksum = -16486

Received packet 87 expecting 88

Resening ACK!

A has received a pcket.

Setting Checksum = -89

Getting Checksum = -89

A received an ACK

Getting unACKed packets

unACKed packet: 87

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 90590.7351, Layer 5 to 4 Message = $|Y6qN+fC|Z7rO,gD\sim[8s]$

A window is not full, sending a message

Setting Checksum = -16577

B recieved a packet!

Setting Checksum = -16577

Getting Checksum = -16577

Received packet 88 expecting 88

Setting Checksum = -90

We are sending the packet up

B: 90606.9919, Layer 4 to 5 Message = $|Y6qN+fC|Z7rO,gD\sim[8s]$

A has received a pcket.

Setting Checksum = -90

Getting Checksum = -90

A received an ACK

Getting unACKed packets

unACKed packet: 88

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 91236.6225, Layer 5 to 4 Message = }lZI7&raO},xgUD2~m[J

A window is not full, sending a message

Setting Checksum = -16843

B recieved a packet!

Setting Checksum = -16843

Getting Checksum = -16843

Received packet 89 expecting 89

Setting Checksum = -91

We are sending the packet up

B: 91262.8598, Layer 4 to 5 Message = }lZI7&raO},xgUD2~m[J

A has received a pcket.

Setting Checksum = -91

Getting Checksum = -91

A received an ACK

Getting unACKed packets

unACKed packet: 89

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 92967.4985, Layer 5 to 4 Message = $\sim fDUgx$,= $Oa\sim &7I3l$ }1CT

A window is not full, sending a message

Setting Checksum = -15048

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15048

Getting Checksum = -15048

Received packet 90 expecting 90

Setting Checksum = -92

We are sending the packet up

B: 93025.5863, Layer 4 to 5 Message = $\sim fDUgx$, = $Oa\sim &7I31$ }1CT

A has received a pcket.

Setting Checksum = -92

Getting Checksum = -92

A received an ACK

Getting unACKed packets

unACKed packet: 90

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 94064.6631, Layer 5 to 4 Message = !3EVhy->Pbs'2J[m~2DU

A window is not full, sending a message

Setting Checksum = -15541

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -15541

Getting Checksum = -15541

Received packet 91 expecting 91

Setting Checksum = -93

We are sending the packet up

B: 94130.3672, Layer 4 to 5 Message = !3EVhy->Pbs'2J[m~2DU

A has received a pcket.

Setting Checksum = -93

Getting Checksum = -93

A received an ACK

Getting unACKed packets

unACKed packet: 91

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 94760.8042, Layer 5 to 4 Message = ##i.Qt9]!Eh-Ps8[~Dg,

A window is not full, sending a message

Setting Checksum = -15259

B recieved a packet!

Setting Checksum = -15259

Getting Checksum = -15259

Received packet 92 expecting 92

Setting Checksum = -94

We are sending the packet up

B: 94782.0355, Layer 4 to 5 Message = ##i.Qt9]!Eh-Ps8[~Dg,

A has received a pcket.

Setting Checksum = -94

Getting Checksum = -94

A received an ACK

Getting unACKed packets

unACKed packet: 92

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 96141.8785, Layer 5 to 4 Message = X\$d:oFzQ(]3h>sJ~U,a

A window is not full, sending a message

Setting Checksum = -15984

B recieved a packet!

Setting Checksum = -15984

Getting Checksum = -15984

Received packet 93 expecting 93

Setting Checksum = -95

We are sending the packet up

B: 96154.7957, Layer 4 to 5 Message = \$X\$d:oFzQ(]3h>sJ~U,a

A has received a pcket.

Setting Checksum = -95

Getting Checksum = -95

A received an ACK

Getting unACKed packets

unACKed packet: 93

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 98070.7690, Layer 5 to 4 Message = %kS%\$jR:#iQ9!hP8~gO7

A window is not full, sending a message

Setting Checksum = -14655

B recieved a packet!

Setting Checksum = -14655

Getting Checksum = -14655

Received packet 94 expecting 94

Setting Checksum = -96

We are sending the packet up

B: 98083.7440, Layer 4 to 5 Message = %kS%\$jR:#iQ9!hP8~gO7

A has received a pcket.

Setting Checksum = 16777120

Getting Checksum = 16777120

A received an ACK

Getting unACKed packets

unACKed packet: 94

Seq number is higher, no packets to ack.

Sending any messages in the buffer, that fit in window

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -13927

Getting Checksum = -14655

Detected Corruption...

Resending last ACK

A has received a pcket.

Setting Checksum = -96

Getting Checksum = -96

A received an ACK

Getting unACKed packets

unACKed packet: 94

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 98184.6470, Layer 5 to 4 Message = &}wq&e_XRLF?93-'~xrl

A window is not full, sending a message

Setting Checksum = -16096

B recieved a packet!

Setting Checksum = -16096

Getting Checksum = -16096

Received packet 95 expecting 95

Setting Checksum = -97

We are sending the packet up

B: 98185.7032, Layer 4 to 5 Message = &}wq&e_XRLF?93-'~xrl

A has received a pcket.

Setting Checksum = -97

Getting Checksum = -97

A received an ACK

Getting unACKed packets

unACKed packet: 95

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 99580.7683, Layer 5 to 4 Message = '2=IT'kv\$x:FQ]hs~,7C

A window is not full, sending a message

Setting Checksum = -15594

B recieved a packet!

Setting Checksum = -15594

Getting Checksum = -15594

Received packet 96 expecting 96

Setting Checksum = -98

We are sending the packet up

B: 99608.7914, Layer 4 to 5 Message = '2=IT'kv\$x:FQ]hs~,7C

A has received a pcket.

Setting Checksum = -98

Getting Checksum = -98

A received an ACK

Getting unACKed packets

unACKed packet: 96

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

A: 101378.3730, Layer 5 to 4 Message = $(Eb \sim = Z(6SpxLi(Eb \sim = Zw))$

A window is not full, sending a message

Setting Checksum = -16911

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

B recieved a packet!

Setting Checksum = -16911

Getting Checksum = -16911

Received packet 97 expecting 97

Setting Checksum = -99

We are sending the packet up

B: 101447.6133, Layer 4 to 5 Message = $(Eb \sim Z(6SpxLi(Eb \sim Zw)))$

Printing the contents of the Simulation Event Q

Event Time = 101478.373 A: Timer Event Time = 102877.046 A: LAYER 5

A has received a pcket.

Setting Checksum = -99

Getting Checksum = -99

A received an ACK

Getting unACKed packets

unACKed packet: 97

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

Printing the contents of the Simulation Event Q

A: 102877.0456, Layer 5 to 4 Message = $dW(V'U\&)\%S$R2Q!P~O\}N$

A window is not full, sending a message

Setting Checksum = -14331

Printing the contents of the Simulation Event Q

Event Time = 102927.046 A: Timer

Event Time = 103989.475 A: LAYER 5

B recieved a packet!

Setting Checksum = -14331

Getting Checksum = -14331

Received packet 98 expecting 98

Setting Checksum = -100

We are sending the packet up

B: 102903.3003, Layer 4 to 5 Message = $dW(V'U\&)\%SR2Q!P\simON$

A Timer Interupt

We have unacked packets, lets resend them

A is sending unacked packet to B

A has received a pcket.

Setting Checksum = -100

Getting Checksum = -100

A received an ACK

Getting unACKed packets

unACKed packet: 98

Ack'd all packets, stoping timer

Sending any messages in the buffer, that fit in window

B recieved a packet!

Setting Checksum = -14331

Getting Checksum = -14331

Received packet 98 expecting 99

Resening ACK!

A has received a pcket.

Setting Checksum = -100

Getting Checksum = -100

A: 103989.4745, Layer 5 to 4 Message = *fL.nP2r*6vX:z3>~aC%

A window is not full, sending a message

Setting Checksum = -14900

B recieved a packet!

Setting Checksum = -14900

Getting Checksum = -14900

Received packet 99 expecting 99

Setting Checksum = -101

We are sending the packet up

B: 104012.7306, Layer 4 to 5 Message = *fL.nP2r*6vX:z3>~aC%

Simulator terminated at time 104039.474513

after receiving 100 msgs at layer5

Simulator Analysis:

Number of messages sent from 5 to 4: 100

Number of messages received at Layer 5, side A: 0

Number of messages received at Layer 5, side B: 100

Number of messages incorrectly received at layer 5: 0

Number of packets entering the network: 292

Average number of packets already in network: 0.010

Number of packets that the network lost: 34

Number of packets that the network corrupted: 23

Number of packets that the network put out of order: 22