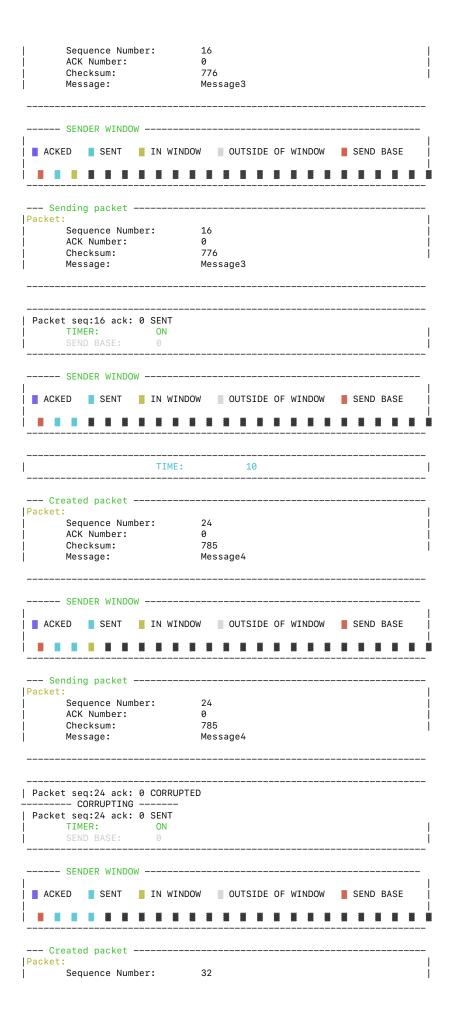
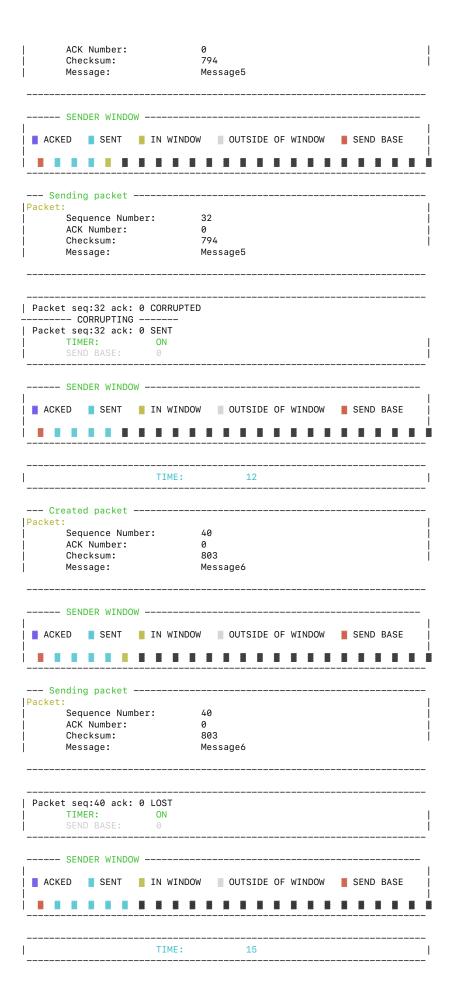
```
TIME:
 -- Created packet ---
      Sequence Number:
      ACK Number:
      Checksum:
                          Message1
      Message:
  ---- SENDER WINDOW ----
 ■ ACKED ■ SENT ■ IN WINDOW ■ OUTSIDE OF WINDOW ■ SEND BASE
--- Sending packet
      Sequence Number:
      ACK Number:
                          758
      Checksum:
      Message:
                          Message1
 Packet seq:0 ack: 0 SENT
                  STARTING
      TIMER:
                   0
   --- SENDER WINDOW -
 ■ ACKED ■ SENT ■ IN WINDOW ■ OUTSIDE OF WINDOW ■ SEND BASE
              --- Created packet -
      Sequence Number:
      ACK Number:
                          0
                          767
      Checksum:
      Message:
                          Message2
    -- SENDER WINDOW -----
         ■ SENT ■ IN WINDOW ■ OUTSIDE OF WINDOW ■ SEND BASE
--- Sending packet -
Packet:
      Sequence Number:
      ACK Number:
      Checksum:
                          767
      Message:
                          Message2
 Packet seq:8 ack: 0 SENT
      TIMER:
                   0
    --- SENDER WINDOW ----
         ■ SENT ■ IN WINDOW ■ OUTSIDE OF WINDOW
                                               SEND BASE
         --- Created packet -
|Packet:
```





```
TIME:
  -- Received packet -
Packet:
       Sequence Number:
       ACK Number:
       Checksum:
                               758
       Message:
                               Message1
                               GOOD
       STATUS:
 -- Sending ACK ---
Packet:
       Sequence Number:
       ACK Number:
                               8
       Checksum:
       Message:
| Packet seq:0 ack: 8 SENT
                       TIME:
--- Received packet --
Packet:
       Sequence Number:
                               8
       ACK Number:
                               0
                               767
       Checksum:
       Message:
                               Message2
       STATUS:
 --- Sending ACK --
       Sequence Number:
       ACK Number:
                               16
       Checksum:
       Message:
| Packet seq:0 ack: 16 SENT
--- Received packet ---
Packet:
       Sequence Number:
       ACK Number:
       Checksum:
                               776
       Message:
                               Message3
                               GOOD
       STATUS:
--- Sending ACK -----
|Packet:
       Sequence Number:
       ACK Number:
       Checksum:
       Message:
| Packet seq:0 ack: 24 SENT
                       TIME:
--- Received packet ---
|Packet:
       Sequence Number:
                               24
       ACK Number:
       Checksum:
                               785
       Message:
                               Nessage4
```

STATUS:		CORRUPT			
0 1:					
- Sending ACK cket:					
Sequence Numb	er:	0			
ACK Number:		24			
Checksum:		24			
Message:					
·					
acket seq:0 ack: 2	4 SENT				
	TIME:		24		
Deseived peaket					
Received packet cket:					
Sequence Numb	er:	32			
ACK Number:		0			
Checksum:		794			
Message:		Nessage5	:		
Message.		Nessages	'		
OTATUO.		CORRUPT			
STATUS: 		CORRUPT			
- Sending ACK					
cket:					
Sequence Numb	er:	0			
ACK Number:		24			
Checksum:		24			
Message:					
	4 SENT				
acket seq:0 ack: 2					
acket seq:0 ack: 2	TIME.		25		
	TIME:	Transport	25 Layer to A	Applicati	on Layer -
		Transport		Applicati	on Layer -
		Transport		Applicati	on Layer -
- Drew packet from	TIME:	Transport	Layer to /	Applicati	on Layer -
- Drew packet from	TIME:	Transport	Layer to /	Applicati	on Layer -
- Drew packet from	TIME:	Transport	Layer to /	Applicati	on Layer -
- Drew packet from	TIME:		Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb	TIME:	0	Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number:	TIME:	0 8	Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME:	0 8	Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME:	0 8	Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME:	0 8 8	Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message:	TIME:	0 8 8	Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message:	TIME:	0 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message:	TIME:	0 8 8	Layer to /	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: TIMER:	TIME: STARTIN	0 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: TIMER: - Received ACK cket: Sequence Numb	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: TIMER: - Received ACK cket: Sequence Numb	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum: Message:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Drew packet from - Received ACK cket: Sequence Numb ACK Number: Checksum: Message: - TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum: Message:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -
- Received ACK cket: Sequence Numb ACK Number: Checksum: Message: TIMER: - Received ACK cket: Sequence Numb ACK Number: Checksum: Message:	TIME: STARTIN TIME:	0 8 8 8	28	Applicati	on Layer -

ACK Number: Checksum: Message:		0 24 24 	
TIMER:	STARTING		
	TIME:	31	
Received ACK			
Packet: Sequence Number: ACK Number: Checksum: Message:		0 24 24	
	TIME:	33	
Received ACK			
Packet: Sequence Number: ACK Number: Checksum: Message:		0 24 24	
AST RETRANSMIT			
Sending packet			
Packet:		24	
Saguanca Number:		24	
Sequence Number: ACK Number:		1	
ACK Number: Checksum:		786	
ACK Number:			
ACK Number: Checksum:		786	
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S	SENT STARTING 24	786 Message4 	
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE:	SENT STARTING 24	786 Message4 	
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW	SENT STARTING 24	786 Message4 	
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW	SENT STARTING 24	786 Message4 	 Ē
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW	SENT STARTING 24	786 Message4 	 =
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW	SENT STARTING 24	786 Message4 ———————————————————————————————————	===
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW ACKED SENT I	SENT STARTING 24	786 Message4 ———————————————————————————————————	=======================================
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW ACKED SENT I	SENT STARTING 24 	786 Message4 OUTSIDE OF WINDOW SEND BASE	 =
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW ACKED SENT I	SENT STARTING 24 	786 Message4 OUTSIDE OF WINDOW SEND BASE	=======================================
ACK Number: Checksum: Message: Packet seq:24 ack: 1 S TIMER: SEND BASE: SENDER WINDOW ACKED SENT I	SENT STARTING 24 IN WINDOW	786 Message4 OUTSIDE OF WINDOW SEND BASE	

	TIME:		46
- Received packet			
Sequence Number ACK Number: Checksum: Message:		24 1 786 Message	94
STATUS:		GOOD	
· Sending ACK			
ket: Sequence Number ACK Number: Checksum: Message:		0 32 32	
cket seq:0 ack: 32 S	SENT		
	TIME:		53
	TIME:		58
	TIME:		59
	TIME:		60
Received ACK			
Sequence Number ACK Number: Checksum: Message:	:	0 32 32	
TIMER:	STARTING)	
	TIME:		63
	TIME:		65
	TIME:		75
	TIME:		84
	TIME:		90

--- Drew packet from receiver Transport Layer to Application Layer ---

TIMER:		EXPIRED / TIME = 90
Sending packet		
acket: Sequence Numbe: ACK Number: Checksum: Message:	r: 	32 1 795 Message5
Packet seq:32 ack: 1 TIMER: SEND BASE:	SENT STARTING	3
SENDER WINDOW -		
ACKED SENT	IN WINDO	W OUTSIDE OF WINDOW SEND BASE
TIMER:	ON	
	TIME:	96
	TIME:	103
sequence Number ACK Number: Checksum: Message: STATUS:	r:	32 1 795 Message5 GOOD
 Sending ACK		
acket: Sequence Number ACK Number: Checksum: Message:	r:	0 40 40
Packet seq:0 ack: 40	SENT	
	TIME:	106
Drew packet from :	receiver ·	Transport Layer to Application Layer 115
Received ACK acket: Sequence Numbe: ACK Number: Checksum: Message:		0 40 40

		TIME:		120		
		TIME:		126		
		TIME:		135		
		TIME:		145		
	TIMER:		EXPIRED	/ TIME =	145	
Se acket						
	Sequence Number ACK Number:	::	40 1			
	Checksum: Message:		804 Message	5		
	nessage:		nessage.			
Packe	t seq:40 ack: 1					
	TIMER: SEND BASE:	STARTIN 40	1G			
	- SENDER WINDOW -					
ACK	ŒD SENT	IN WINDO	OW OUT	TSIDE OF	WINDOW SI	END BASE
	TIMER:	ON				
		TIME:		147		
		TIME:		152		
Re	ceived packet					
	Sequence Number ACK Number:	::	40 1			
	Checksum:		804	,		
	Message:		Message)		
	STATUS:		G00D			
	ending ACK					
acket	:: Sequence Number	::	0			
	ACK Number: Checksum:		48 48			
	Message:		40			
Packe	et seq:0 ack: 48	SENT				
		TIME:		155		
Dr	ew packet from r	receiver	Transport	t Layer t	o Application	ı Layer
Dr	ew packet from r	receiver	Transport	t Layer t	o Application	n Layer
Dr	ew packet from r	receiver		Layer t	o Application	Layer

Packet:	ived ACKequence Number:	θ
	CK Number:	48
	hecksum:	48
j M	essage:	
	THE END acBook-Pro:TCP-Simulato	