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Step 1 :

Mp4

```
simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -v 1.mp4
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 2520, ack_num = 2293 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====
```

```
    Receive a packet (SYN)
    Receive a packet ( seq_num = 6890, ack_num = 6686 )
request: 1 -f 3.mp4
Sent a packet to 127.0.0.1 ( seq_num = 6686, ack_num = 6891 )
Sent a packet to 127.0.0.1 ( seq_num = 6687, ack_num = 6892 )
    Receive a packet ( seq_num = 6892, ack_num = 6688 )
Sent a packet to 127.0.0.1 ( seq_num = 6688, ack_num = 6893 )
Sent a packet to 127.0.0.1 ( seq_num = 6689, ack_num = 6894 )
    Receive a packet ( seq_num = 6894, ack_num = 6690 )
Sent a packet to 127.0.0.1 ( seq_num = 6690, ack_num = 6895 )
Sent a packet to 127.0.0.1 ( seq_num = 6691, ack_num = 6896 )
    Receive a packet ( seq_num = 6896, ack_num = 6692 )
Sent a packet to 127.0.0.1 ( seq_num = 6692, ack_num = 6897 )
Sent a packet to 127.0.0.1 ( seq_num = 6693, ack_num = 6898 )
    Receive a packet ( seq_num = 6898, ack_num = 6694 )
```

DNS

```
simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -DNS google.com
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 5704, ack_num = 9141 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====

Finding IP address of google.com by 127.0.0.1 : 4950
    Receive a packet ( seq_num = 5705, ack_num = 9142 )
Result : 172.217.163.46
Send a packet(ACK) to 127.0.0.1 : 4950
Finishing finding
google.com
```

```
    Receive a packet (SYN)
    Receive a packet ( seq_num = 9141, ack_num = 5705 )
==Start finding: google.com to 127.0.0.1 : 4952
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 9142, ack_num = 5706 )
==Finishing finding==
Finish
```

Add

```

simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -add 1+1
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 794, ack_num = 3183 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 795, ack_num = 3184 )
    result: 1+1 = 2.00000

```

```

    Receive a packet (SYN)
    Receive a packet ( seq_num = 3183, ack_num = 795 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 3184, ack_num = 796 )
Finish

```

Sub

```

simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -sub 1-1
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 1649, ack_num = 5728 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 1650, ack_num = 5729 )
    result: 1-1 = 0.00000

```

```

    Receive a packet (SYN)
    Receive a packet ( seq_num = 5728, ack_num = 1650 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 5729, ack_num = 1651 )
Finish

```

Mul:

```

simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -mul 3x2
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 2972, ack_num = 3729 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2973, ack_num = 3730 )
    result: 3x2 = 6.00000

```

```

Finish
    Receive a packet (SYN)
    Receive a packet ( seq_num = 3729, ack_num = 2973 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 3730, ack_num = 2974 )
Finish

```

Div

```
simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -div 10/5
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 5389, ack_num = 9751 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 5390, ack_num = 9752 )
    result: 10/5 = 2.00000
```

```
    Receive a packet (SYN)
    Receive a packet ( seq_num = 9751, ack_num = 5390 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 9752, ack_num = 5391 )
Finish
```

Pow

```
simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -pow 2^2
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 9759, ack_num = 655 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 9760, ack_num = 656 )
    result: 2^2 = 4.00000
```

```
    Receive a packet (SYN)
    Receive a packet ( seq_num = 655, ack_num = 9760 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 656, ack_num = 9761 )
Finish
```

Sqr

```
simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -sqr 4
Server's IP address : 127.0.0.1
Server's port: 4950
=====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 1943, ack_num = 6119 )
Send a package(ACK) to 127.0.0.1 : 4950
=====Complete the three-way handshake=====
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 1944, ack_num = 6120 )
    result: 4^(1/2) = 2.00000
```

```
    Receive a packet (SYN)
    Receive a packet ( seq_num = 6119, ack_num = 1944 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 6120, ack_num = 1945 )
Finish
```

Multiple :

```
simon@simon-virtual-machine:~/Desktop/09$ ./client 127.0.0.1 -sqr 4 -add 3+4 -DN
S google.com
Server's IP address : 127.0.0.1
Server's port: 4950
====Start the three-way handshake=====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 28, ack_num = 6113 )
Send a package(ACK) to 127.0.0.1 : 4950
====Complete the three-way handshake====
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 29, ack_num = 6114 )
    result:  $4^{(1/2)} = 2.00000$ 
Receive a calculation result from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 30, ack_num = 6115 )
    result:  $3+4 = 7.00000$ 

Finding IP address of google.com by 127.0.0.1 : 4950
    Receive a packet ( seq_num = 31, ack_num = 6116 )
Result : 142.251.42.238
Send a packet(ACK) to 127.0.0.1 : 4950
Finishing finding
google.com
```

```
    Receive a packet (SYN)
    Receive a packet ( seq_num = 655, ack_num = 9760 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 656, ack_num = 9761 )
Finish
    Receive a packet (SYN)
    Receive a packet ( seq_num = 6119, ack_num = 1944 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 6120, ack_num = 1945 )
Finish
    Receive a packet (SYN)
    Receive a packet ( seq_num = 7888, ack_num = 4713 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 7889, ack_num = 4714 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 7890, ack_num = 4715 )
Finish
    Receive a packet (SYN)
    Receive a packet ( seq_num = 6113, ack_num = 29 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 6114, ack_num = 30 )
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 6115, ack_num = 31 )
==Start finding: google.com to 127.0.0.1 : 4962
Send a packet to 127.0.0.1 :
    Receive a packet ( seq_num = 6116, ack_num = 32 )
==Finishing finding==
Finish
```

Step 2:

```
Result : 142.251.42.238
Send a packet(ACK) to 127.0.0.1 : 4950
Finishing finding
google.com

simon@simon-virtual-machine:~/Desktop/09$ ./client
.1 -sqr 4
Server's IP address : 127.0.0.1
Server's port: 4950
====Start the three-way handshake====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
Receive a package ( seq_num = 3724, ack_num = 4058 )
Send a package(ACK) to 127.0.0.1 : 4950
====Complete the three-way handshake====
Receive a calculation result from 127.0.0.1 : 4950
Receive a packet ( seq_num = 3725, ack_num = 4058 )
)
result: 4^(1/2) = 2.00000
simon@simon-virtual-machine:~/Desktop/09$

simon@simon-virtual-machine:~/Desktop/09$ ./server
27.0.0.1 -f 1.mp4
Server's IP address : 127.0.0.1
Server's port: 4950
====Start the three-way handshake====
Send a package(SYN) to 127.0.0.1 : 4950
Receive package(SYN/ACK) from 127.0.0.1 : 4950
Receive a package ( seq_num = 5857, ack_num = 4058 )
Send a package(ACK) to 127.0.0.1 : 4950
====Complete the three-way handshake====
Invalld flag.
simon@simon-virtual-machine:~/Desktop/09$

Finish
Receive a packet (SYN)
Receive a packet ( seq_num = 7888, ack_num = 4713 )
Send a packet to 127.0.0.1 :
Receive a packet ( seq_num = 7889, ack_num = 4714 )
Send a packet to 127.0.0.1 :
Receive a packet ( seq_num = 7890, ack_num = 4715 )
Text Editor
Receive a packet (SYN)
Receive a packet ( seq_num = 6113, ack_num = 29 )
Send a packet to 127.0.0.1 :
Receive a packet ( seq_num = 6114, ack_num = 30 )
Send a packet to 127.0.0.1 :
Receive a packet ( seq_num = 6115, ack_num = 31 )
==Start finding: google.com to 127.0.0.1 : 4962
Send a packet to 127.0.0.1 :
Receive a packet ( seq_num = 6116, ack_num = 32 )
==Finishing finding==
Finish
Receive a packet (SYN)
Receive a packet ( seq_num = 2545, ack_num = 3725 )
Send a packet to 127.0.0.1 :
Receive a packet ( seq_num = 2546, ack_num = 3726 )
Finish
Receive a packet (SYN)
Receive a packet ( seq_num = 4058, ack_num = 5858 )
Invalld flag
```

Step 4:


```
simon@simon-virtual-machine: ~/Desktop/09
Receive package(SYN/ACK) from 127.0.0.1 : 4950
    Receive a package ( seq_num = 4777, ack_num = 487 )
Send a package(ACK) to 127.0.0.1 : 4950
====Complete the three-way handshake====

Receiving 2.mp4 form 127.0.0.1 : 4950
Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 4778, ack_num = 488 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 4779, ack_num = 489 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 4781, ack_num = 491 )

Packet loss ( seq_num = 4784, ack_num = 494 )

Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 4785, ack_num = 495 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 4786, ack_num = 496 )
Receive 3 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 4788, ack_num = 498 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 4791, ack_num = 501 )

Receive a packet ( seq_num = 2473, ack_num = 6764 )
Receive a packet ( seq_num = 2474, ack_num = 6765 )
Receive a packet ( seq_num = 2475, ack_num = 6766 )
Receive a packet ( seq_num = 2476, ack_num = 6767 )
Receive a packet ( seq_num = 2477, ack_num = 6768 )
Receive a packet ( seq_num = 2478, ack_num = 6769 )
Receive a packet ( seq_num = 2479, ack_num = 6770 )
Receive a packet ( seq_num = 2480, ack_num = 6771 )
Receive a packet ( seq_num = 2481, ack_num = 6772 )
Receive a packet ( seq_num = 2482, ack_num = 6773 )
Receive a packet ( seq_num = 2483, ack_num = 6774 )
Receive a packet ( seq_num = 2484, ack_num = 6775 )
Receive a packet ( seq_num = 2485, ack_num = 6776 )
Receive a packet ( seq_num = 2486, ack_num = 6777 )
Receive a packet ( seq_num = 2487, ack_num = 6778 )
Receive a packet ( seq_num = 2488, ack_num = 6779 )
Receive a packet ( seq_num = 2489, ack_num = 6780 )
Receive a packet ( seq_num = 2490, ack_num = 6781 )
Receive a packet ( seq_num = 2491, ack_num = 6782 )
Receive a packet ( seq_num = 2492, ack_num = 6783 )
Receive a packet ( seq_num = 2493, ack_num = 6784 )
Receive a packet ( seq_num = 2494, ack_num = 6785 )
Receive a packet ( seq_num = 2495, ack_num = 6786 )
```

Step 5:

```
simon@simon-virtual-machine: ~/Desktop/09

Receiving 1.mp4 form 127.0.0.1 : 4950
Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2089, ack_num = 8551 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2090, ack_num = 8552 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2092, ack_num = 8554 )

Packet loss ( seq_num = 2095, ack_num = 8557 )

Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2096, ack_num = 8558 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2097, ack_num = 8559 )
Receive 3 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2099, ack_num = 8561 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2102, ack_num = 8564 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2106, ack_num = 8568 )
Receive 3 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2108, ack_num = 8570 )

*****Slow start*****
cwnd = 1, ssthresh = 2
Send a packet at 1024 byte( seq_num = 2528, ack_num = 2301 )
    Receive a packet ( seq_num = 2301, ack_num = 2529 )
cwnd = 2, ssthresh = 2
Send a packet at 1024 byte( seq_num = 2529, ack_num = 2302 )
Send a packet at 1024 byte( seq_num = 2530, ack_num = 2303 )
    Receive a packet ( seq_num = 2302, ack_num = 2530 )
    Receive a packet ( seq_num = 2303, ack_num = 2531 )
*****Congestion avoidance*****
cwnd = 3, ssthresh = 2
Send a packet at 1024 byte( seq_num = 2531, ack_num = 2304 )
Send a packet at 1024 byte( seq_num = 2532, ack_num = 2305 )
Send a packet at 1024 byte( seq_num = 2533, ack_num = 2306 )
    Receive a packet ( seq_num = 2304, ack_num = 2532 )
    Receive a packet ( seq_num = 2305, ack_num = 2533 )
    Receive a packet ( seq_num = 2306, ack_num = 2534 )
cwnd = 4, ssthresh = 2
Send a packet at 1024 byte( seq_num = 2534, ack_num = 2307 )
Send a packet at 1024 byte( seq_num = 2535, ack_num = 2308 )
Send a packet at 1024 byte( seq_num = 2536, ack_num = 2309 )
Send a packet at 1024 byte( seq_num = 2537, ack_num = 2310 )
    Receive a packet ( seq_num = 2307, ack_num = 2535 )
```

Step 6:

```
simon@simon-virtual-machine: ~/Desktop/09

Receiving 1.mp4 form 127.0.0.1 : 4950
Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2089, ack_num = 8551 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2090, ack_num = 8552 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2092, ack_num = 8554 )

Packet loss ( seq_num = 2095, ack_num = 8557 )

Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2096, ack_num = 8558 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2097, ack_num = 8559 )
Receive 3 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2099, ack_num = 8561 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2102, ack_num = 8564 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2106, ack_num = 8568 )
Receive 3 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2108, ack_num = 8570 )

Send a packet at 1024 byte( seq_num = 4782, ack_num = 492 )
Send a packet at 1024 byte( seq_num = 4783, ack_num = 493 )
Send a packet at 1024 byte( seq_num = 4784, ack_num = 494 )
    Receive a packet ( seq_num = 491, ack_num = 4782 )
    Receive a packet ( seq_num = 492, ack_num = 4783 )
    Receive a packet ( seq_num = 493, ack_num = 4784 )
Receive three duplicate ACKs
*****Fast recovery*****
*****Slow start*****
cwnd = 1, ssthresh = 2
Send a packet at 1024 byte( seq_num = 4785, ack_num = 495 )
    Receive a packet ( seq_num = 495, ack_num = 4786 )
cwnd = 2, ssthresh = 2
Send a packet at 1024 byte( seq_num = 4786, ack_num = 496 )
Send a packet at 1024 byte( seq_num = 4787, ack_num = 497 )
    Receive a packet ( seq_num = 496, ack_num = 4787 )
    Receive a packet ( seq_num = 497, ack_num = 4788 )
*****Congestion avoidance*****
cwnd = 3, ssthresh = 2
Send a packet at 1024 byte( seq_num = 4788, ack_num = 498 )
Send a packet at 1024 byte( seq_num = 4789, ack_num = 499 )
Send a packet at 1024 byte( seq_num = 4790, ack_num = 500 )
    Receive a packet ( seq_num = 498, ack_num = 4789 )
    Receive a packet ( seq_num = 499, ack_num = 4790 )
```

Step 7 :

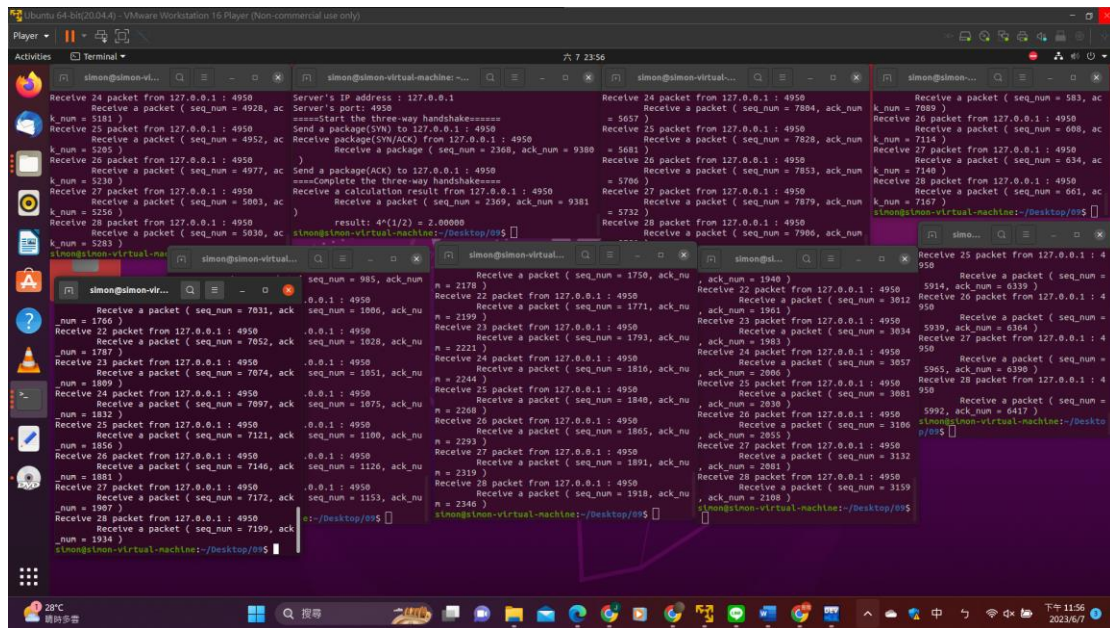

```
simon@simon-virtual-machine: ~/Desktop/09
Receiving 1.mp4 form 127.0.0.1 : 4950
Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2089, ack_num = 8551 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2090, ack_num = 8552 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2092, ack_num = 8554 )

Packet loss ( seq_num = 2095, ack_num = 8557 )

Receive 1 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2096, ack_num = 8558 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2097, ack_num = 8559 )
Receive 3 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2099, ack_num = 8561 )
Receive 4 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2102, ack_num = 8564 )
Receive 2 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2106, ack_num = 8568 )
Receive 3 packet from 127.0.0.1 : 4950
    Receive a packet ( seq_num = 2108, ack_num = 8570 )

Send a packet at 1024 byte( seq_num = 4792, ack_num = 502 )
Send a packet at 1024 byte( seq_num = 4793, ack_num = 503 )
Send a packet at 1024 byte( seq_num = 4794, ack_num = 504 )
    Receive a packet ( seq_num = 501, ack_num = 4792 )
    Receive a packet ( seq_num = 502, ack_num = 4793 )
    Receive a packet ( seq_num = 503, ack_num = 4794 )
Receive three duplicate ACKs
*****Fast recovery*****
* Terminal gestion avoidance*****
cwnd = 2, ssthresh = 2
Send a packet at 1024 byte( seq_num = 4795, ack_num = 505 )
Send a packet at 1024 byte( seq_num = 4796, ack_num = 506 )
    Receive a packet ( seq_num = 505, ack_num = 4796 )
    Receive a packet ( seq_num = 506, ack_num = 4797 )
cwnd = 3, ssthresh = 2
Send a packet at 1024 byte( seq_num = 4797, ack_num = 507 )
Send a packet at 1024 byte( seq_num = 4798, ack_num = 508 )
Send a packet at 1024 byte( seq_num = 4799, ack_num = 509 )
    Receive a packet ( seq_num = 507, ack_num = 4798 )
    Receive a packet ( seq_num = 508, ack_num = 4799 )
    Receive a packet ( seq_num = 509, ack_num = 4800 )
cwnd = 4, ssthresh = 2
Send a packet at 1024 byte( seq_num = 4800, ack_num = 510 )
Send a packet at 1024 byte( seq_num = 4801, ack_num = 511 )
```

Step 8 :



```
Send a packet at 1024 byte( seq_num = 1416, ack_num = 2106 )
Send a packet at 1024 byte( seq_num = 1417, ack_num = 2107 )
Send a packet at 1024 byte( seq_num = 1418, ack_num = 2108 )
Send a packet at 1024 byte( seq_num = 1419, ack_num = 2109 )
Send a packet at 1024 byte( seq_num = 1420, ack_num = 2110 )
Send a packet at 1024 byte( seq_num = 1421, ack_num = 2111 )
Send a packet at 1024 byte( seq_num = 1422, ack_num = 2112 )
Send a packet at 1024 byte( seq_num = 1423, ack_num = 2113 )
Send a packet at 1024 byte( seq_num = 1424, ack_num = 2114 )
Send a packet at 1024 byte( seq_num = 1425, ack_num = 2115 )
Send a packet at 1024 byte( seq_num = 1426, ack_num = 2116 )
Send a packet at 1024 byte( seq_num = 1427, ack_num = 2117 )
Send a packet at 1024 byte( seq_num = 1428, ack_num = 2118 )
Send a packet at 1024 byte( seq_num = 1429, ack_num = 2119 )
Send a packet at 1024 byte( seq_num = 1430, ack_num = 2120 )
Send a packet at 1024 byte( seq_num = 1431, ack_num = 2121 )
Send a packet at 1024 byte( seq_num = 1432, ack_num = 2122 )
Send a packet at 1024 byte( seq_num = 1433, ack_num = 2123 )
Send a packet at 1024 byte( seq_num = 1434, ack_num = 2124 )
Send a packet at 1024 byte( seq_num = 1435, ack_num = 2125 )
Send a packet at 1024 byte( seq_num = 1436, ack_num = 2126 )
Receive a packet ( seq_num = 2087, ack_num = 1398 )
Receive a packet ( seq_num = 2088, ack_num = 1399 )
Receive a packet ( seq_num = 2089, ack_num = 1400 )
Receive a packet ( seq_num = 2090, ack_num = 1401 )
Receive a packet ( seq_num = 2091, ack_num = 1402 )
Receive a packet ( seq_num = 2092, ack_num = 1403 )
Receive a packet ( seq_num = 2093, ack_num = 1404 )
```