

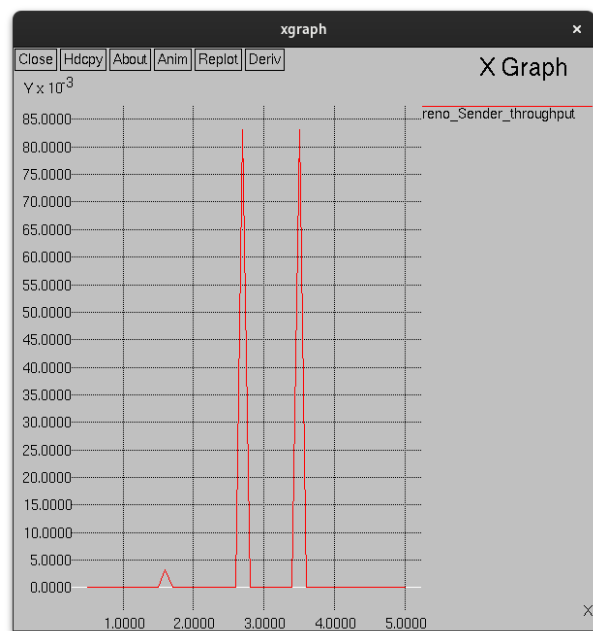
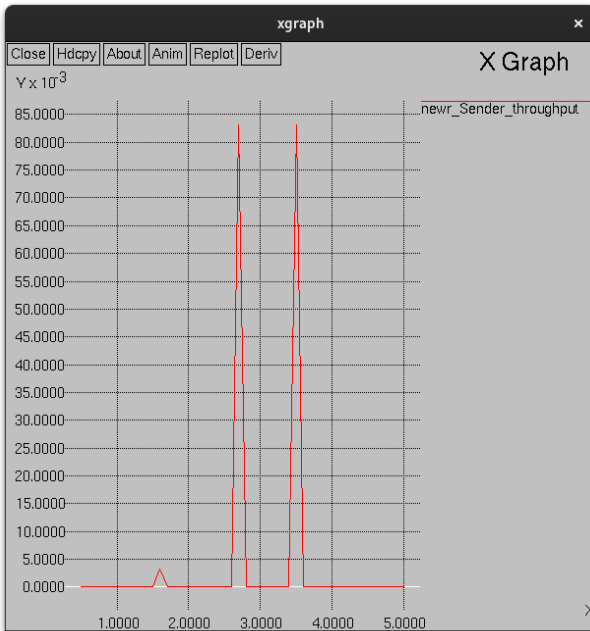
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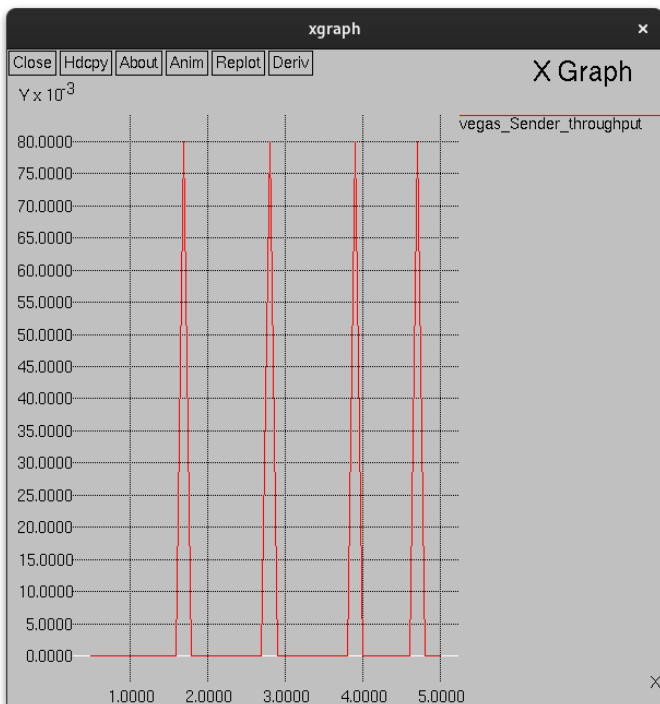
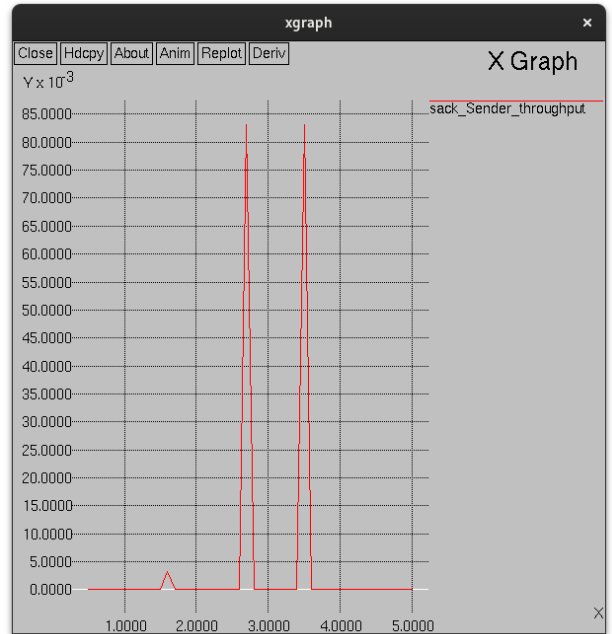
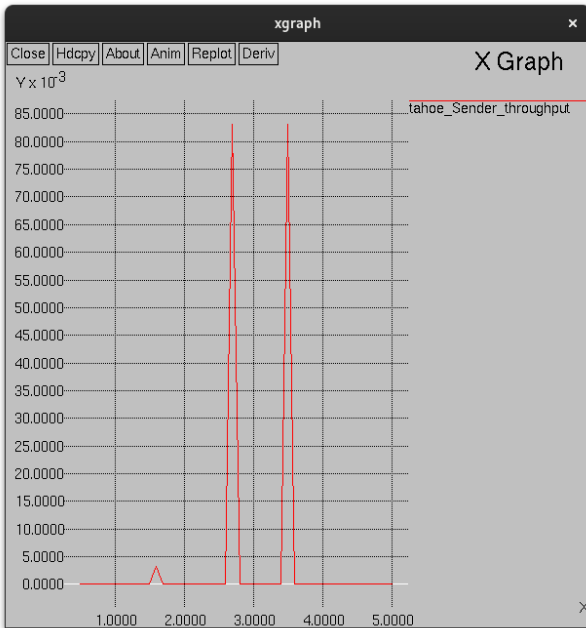
kbdharunkrishna@ns:~/Documents/Uni/CN/CN-Lab/6-Simulation-and-analysis-of-TCP-flow-control-and-TCP-congestion-control/TCP-flow
~/Documents/Uni/CN/CN-Lab/6-Simulation-and-analysis-of-TCP-flow-control-and-TCP-congestion-control/TCP-flow
→ TCP-flow awk -f exp6_analysis.awk trace1.tr
*****HTTP*****
start time 0.358429
end time 3.332300
data 289920.000000
throughput 97489.097543
delay 2.973871
*****SMTP*****
start time 3.622562
end time 3.822312
data 8360.000000
throughput 41852.315394
delay 0.199750
*****FTP*****
start time 1.040960
end time 3.322140
data 207000.000000
throughput 90742.510455
delay 2.281180
Avg throughput 76694.641131
Avg delay 1.818267
→ TCP-flow ns exp6_flow.tcl
When configured, ns found the right version of tcsh in /usr/bin/tcsh8.6
but it doesn't seem to be there anymore, so ns will fall back on running the first tcsh in your path. The wrong v
ersion of tcsh may break the test suites. Reconfigure and rebuild ns if this is a problem.
running nam...
→ TCP-flow

```

```
kbdharunkrishna@ns:~/Documents/Un/CN/CN-Lab/6-Simulation-and-analysis-of-TCP-flow-control-and-TCP-congestion-control/Congestion-control
~Documents/Un/CN/CN-Lab/6-Simulation-and-analysis-of-TCP-flow-control-and-TCP-congestion-control/Congestion-control

→ Congestion-control awk -f exp6-cc-analysis.awk exp6-cc1-reno-.tcl
*****HTTP*****
Start time 0.000000
End time 0.000000
Data 0.000000
Throughput -nan
Delay 0.000000
→ Congestion-control awk -f exp6-cc-analysis.awk exp6-cc2-newreno.tcl
*****HTTP*****
Start time 0.000000
End time 0.000000
Data 0.000000
Throughput -nan
Delay 0.000000
→ Congestion-control awk -f exp6-cc-analysis.awk exp6-cc3-tahoe.tcl
*****HTTP*****
Start time 0.000000
End time 0.000000
Data 0.000000
Throughput -nan
Delay 0.000000
→ Congestion-control awk -f exp6-cc-analysis.awk exp6-cc4-sack.tcl
*****HTTP*****
Start time 0.000000
End time 0.000000
Data 0.000000
Throughput -nan
Delay 0.000000
→ Congestion-control awk -f exp6-cc-analysis.awk exp6-cc5-vegas.tcl
*****HTTP*****
Start time 0.000000
End time 0.000000
Data 0.000000
Throughput -nan
Delay 0.000000
→ Congestion-control █
```





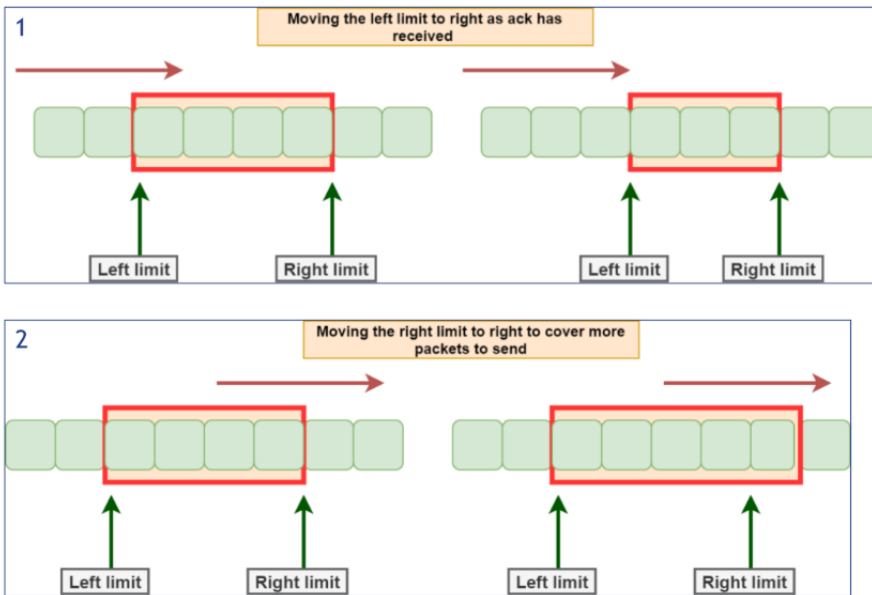


Fig. Sliding Window Process

## FLOW CONTROL

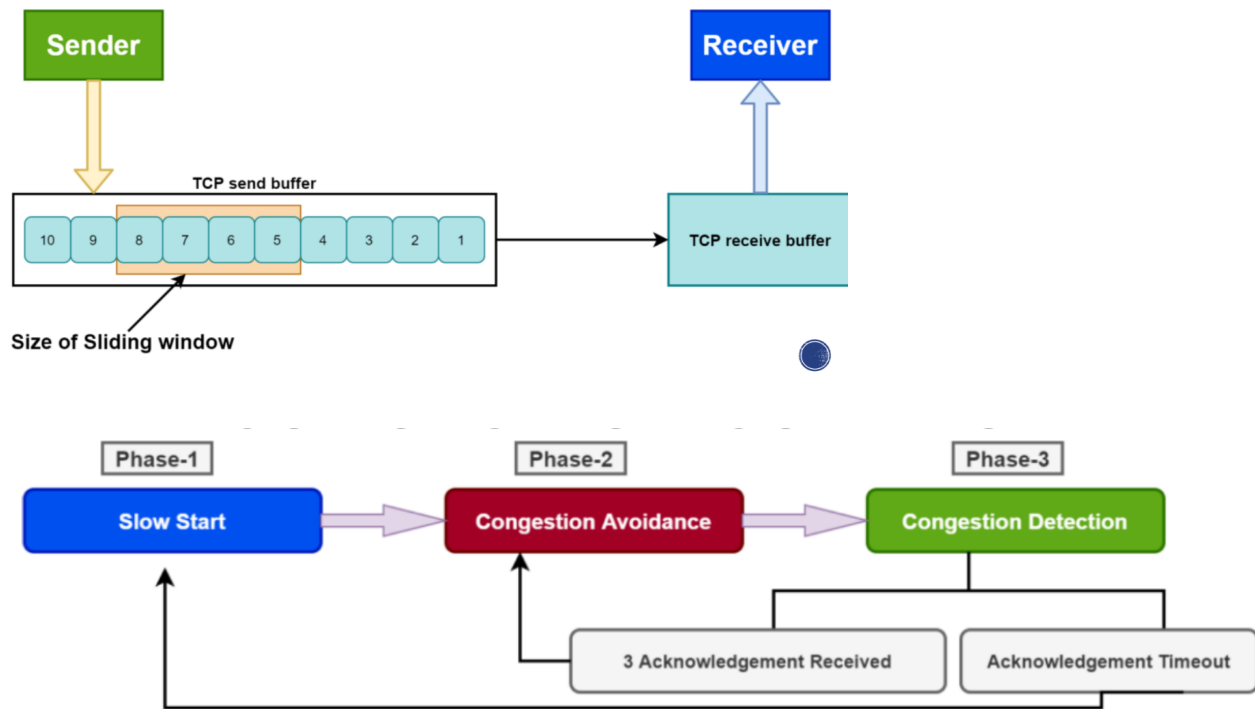


Fig. Congestion Control