python3 experiment.py --loss 0.0 --rtt 50 --window 4 --bytes 50000

Protocol Elapsed(s) Throughput(bps)

GBN 68.905 5805

SR 17.084 23414

TCP-like 122.530 3265

For Scenario A (0% loss, 50 ms RTT, window 4), SR’s 17.084 s and 23,414 bps show it’s fastest due to selective retransmission. GBN’s 68.905 s and 5805 bps indicate slower cumulative retransmits. TCP-like’s 122.530 s and 3265 bps reflect overhead from RTT estimation and congestion control, underperforming in an ideal network. Unlike the expected similar performance, SR excels, likely due to the small window favoring its efficiency.