

Quiz: Sliding Window Protocols



- ❖ Consider a path of bottleneck capacity R , round-trip time T , and maximum segment size L . What is the greatest throughput improvement factor that an ideal pipelined protocol (assuming corruptions and loss are negligible) can provide compared to a stop-and-wait protocol?

A. $2L/(RT+L)$

B. $(L/R)/(T+L/R)$

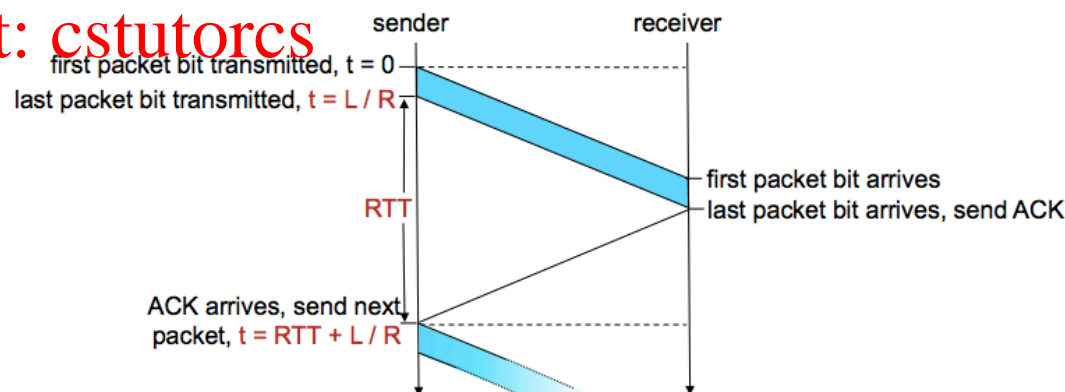
C. $(RT+L)/L$

D. $(TR/L)^2$

<https://tutorcs.com>

rdt3.0: stop-and-wait operation

WeChat: cstutorcs



$$U = \frac{L / R}{RTT + L / R} = \frac{.008}{30.008} = 0.00027$$