LAB4 REPORT

Implementing the Go Back N using UDP

OBSERVATION:

What happens when random drop probability increases?
Ans: when the random probability increases the RTT(Re transmission time increases) , we have to send more no of packets as compared to before , so here we are sending more packets and we are getting the same no of acknowledgements as before. So the final RTT will increase .

What happens when we increase the PACKET_LENGTH ?
Ans: When we increase the packet length , there also might be more chance for the corruption of data in the packets , So as compared to before the no of packet drops will get increased . So finally the RTT(Re transmission ratio) increases and the chance of dropping the probability also increases.

For Random probability drop = 10^-8

PACKET_LENGTH	RETRANSMISSION_RATIO	AVERAGE_RTT(ms)
128 Bytes	1.0000	9.7556
1024 Bytes	1.0000	9.8003

For Random Probability drop = 10^-4

PACKET_LENGTH	RETRANSMISSION_RATIO	AVERAGE_RTT(ms)
128 Bytes	1.0121	10.1415
1024 Bytes	1.0133	10.3703