CN Assignment - 3

Report

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a) Below table shows the time at which a packet was sent from the server and the time at which the client received that packet.

Time at which Server sent a packet(ms)	Time at which Client received the same packet(ms)
1573823623.9168465	1573823623.9169436
1573823623.9270353	1573823623.9271393
1573823623.937348	1573823623.9374642
1573825315.1278064	1573825315.1900685

b)

Drop Rate = 3%, Delay = 10 ms

Average no of times a packet is sent = 1.024875

Drop Rate = 3%, Delay = 5 ms

Average no of times a packet is sent = 1.024509

Drop Rate = 5%, Delay = 5 ms

Average no of times a packet is sent = 1.024630

Drop Rate = 5%, Delay = 10 ms

Average no of times a packet is sent = 1.059701

Analysis

1. When the delay is reduced, the average no of times a packet is sent is also reduced because of less number of timeouts.
2. Increase in drop rate, increased the average no of times a packet is sent.
3. The number of times a packet is sent increases drastically in case both the delay and drop rate is increased.