

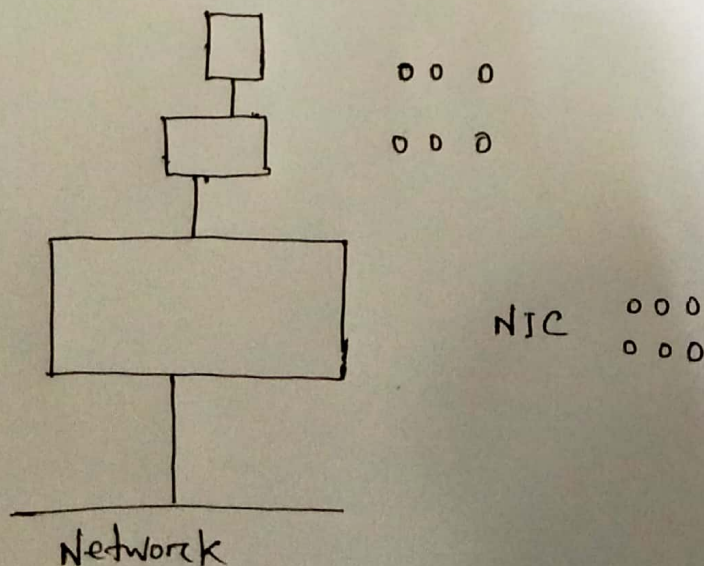
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Ans to the Q-D2

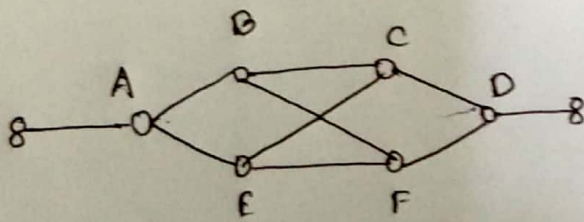
There is a traffic shaping method to achieve quality of services. For shaping the traffic there is a algorithm named leaky bucket algorithm. Usually PC or other devices generate irregular data, so leaky bucket Algorithm, shape the data and send to upper link. Some time the data rate of the end device exceeds the network capacity. So, the network interface card shapes data according to the network capacity and then send to the upper link



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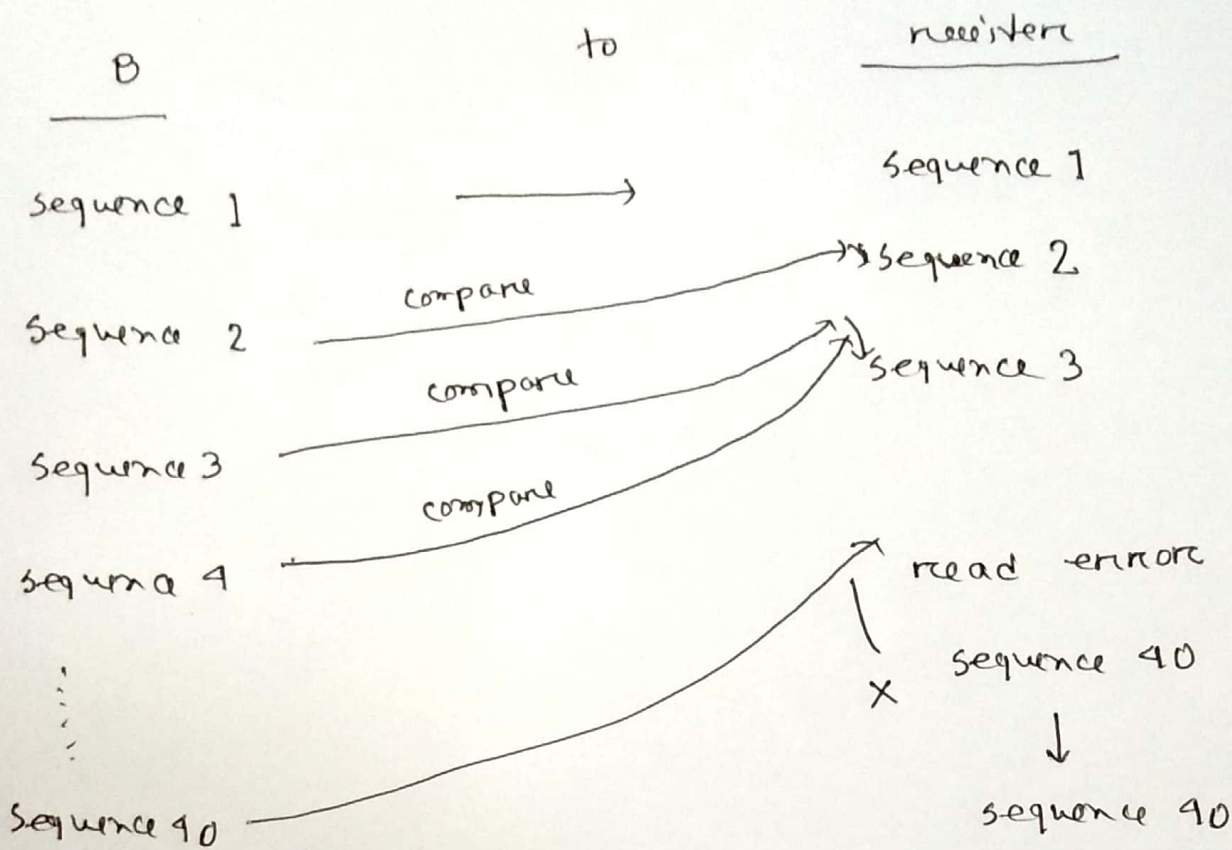
Ans to the Q-01

Link-State Packet: Each router build a link-state packet and sent it to other router to let know about that router's current condition. And this packet is created often each few seconds to let know the updated information. To let know the other router know the new packet a sequence number is inserted and receiver router compare the number and keep the updated link-state. Packet for example:





③



Here, approx 1 to 40 link state packet is not receive because of read error. It can be huge number of packet if the read error occur in MSB bit. To resolve this problem age entity is inserted in to the link-state packet. So, after the age limit the current packet will be dead. So, new receiver can receive new link-state packet.

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Ans to the Q-3

Hop by Hop choke packet is better than choke packet because in choke packet when a router faces congested it generate