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Answering to the question no >01

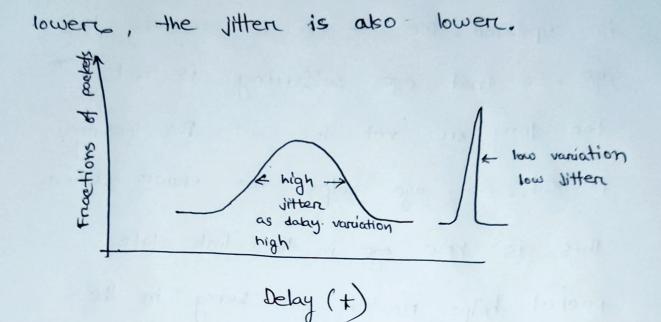
In the connection of mouters, the nouters or every node in the connection of network generate link state packet and transmit them to neighbours node. Every node generate this packet every contain period of time. Because we have to know the latest information about neighbours node. for this every node maintain a sequence number force their neighbours. A node up date a

sequence numbers when new sequence number is higher than before. But there is a problem when the receiver node read a higher sequence numbers by ercrorc. so, when a higher sequence enter in buffer it is difficult to get out from comparing this higher sequence numbers with existing sequence number. So a nouter will be in dark for a long time. But me we use 'age' in the link state packet now. As a nesult, every link state packet has a expire time. Even is a read error of higher sequence number, after age time new sequence numbers

is updated. We to use 60 seconds for age. So that age sufferring is not too long on not too shot for loasing packet. So age helps this eracore solution. This is how age in the link state. packet helps router not being in the dark for long.

Answering to the question no >02

Varciation in packet arrival time or variation in data transmission latency is called litter. When the variation in latency is higher, the litter is also higher. When the variation is



titlen is very important in evality of service. The lower litters improves multimedia communication smoothly. But higher litter impacts this badly.

Answering to the question no 303

User end devices produce brust data in to transmit. The devices produce many brust packet which can cause traffic during transmissio. so in network interrface can we want to regular How of data. Using Leaky bucket algorithm we control the flow of innegulars packet to regular flow of packet in admission control.

Leaky

when a bookent is leaky then
the flow of water will be
limited. And this is also
aplicable in network intentace
eard. that's why it is named
leaky bucket Algorithm.