1]

The 'age' in the link-state packet can affect the status of routers.

Let's consider read error has occured. It read sequence number 9 as 999999. Then it will be a huge problem. It will not take any value ~~bigger~~ lower than 999999. So it might run for a long period of time. The communication will not be smooth.

That is why age has been inserted. It fixes the time of ~~next sequen~~ that data validity.

After that the time it will take new value. (within this time if it find bigger value it will accept).

The time (age) have to fix very carefully. If we ~~#~~ set it 60 ms, after 60 ms the data will be vanished. If any read error ~~occure~~ occure it will last 60 ms. But if we set the age ~~#~~ 6 ms, after 6 ms the data will vanish. Then the next data ~~witt~~ which will come after 10 ms will have no data to compare with. This will create problem.

This is how the 'age' in the link-state packet can affect the status of routers.
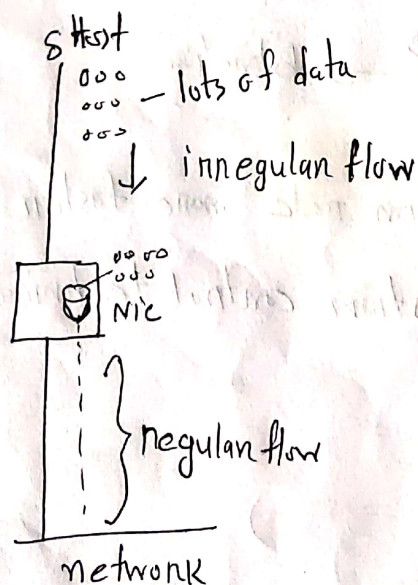
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2]

The purpose of leaky bucket algorithm is to have a regulan flow of data.

To achive good quality of senvice we can we leaky bucket algonithm, of traffic shaping technique.

when lots of data entens a network with innegulan flow this leaky bucket algonithm can be implemented. Then a regulan flow can be achieved. When the bucket is full the data will be in the queue. ~~And~~ The bucket will act as buffen. Data as needed will flow from the leak to the network,

8 Host
o o o — lots of data
o o o
o o o
↓ innegulan flow

[NIC] o o o
   o o o

} negulan flow

network

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3|

In chock packet congestion control technique

when congestion begain to occure, from

that node chock packet goes to sounce. Then

sounce neduces the data rate. But within this

time many data can store to the buffen of

the congestion node. So, that time congestion

rate may in-erease.
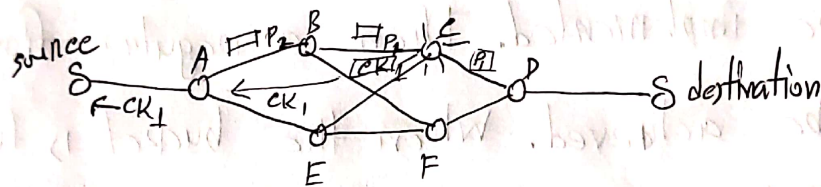
But in hop-by-hop chock packet technique

eveny node will neduce the data rate when

they get the chock packet.
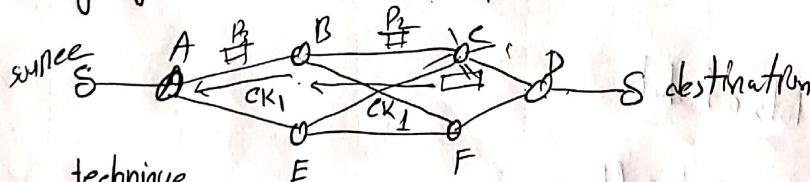
this technique ∧ reduce the congestion rate mone fasten

than chock packet congestion control technique.