

Linky Bucket Algorithm

draw diagram of bucket in exam (seriously)

4/4/18

Routing

Routing protocol

Routing Table Database

Fields:

Mask
Network address
Next - hop "

Flags (up, Gateway, Host-specific,
added by router, Modified by Router)

Distance Vector Routing

assumes routing table is maintained, picks shortest route to send the packet.

When to share Routing Information

- Periodic update (every 30 sec)
- Triggered update

Problems

Two node loop instability

3

Checksum

- Value of protocol field for UDP is 17.

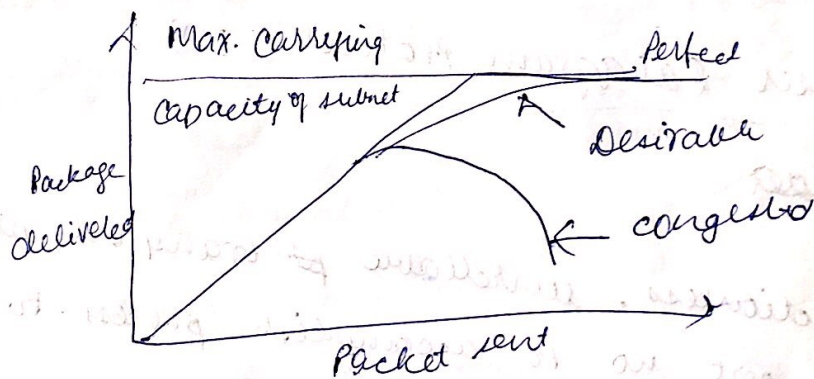
UDP operation

- connectionless service - no handshaking
- Flow control
- Error control
- congestion control
- Encapsulation & Decapsulation
- Queuing

Uses of UDP

SNMP - simple Network Management Protocol

Congestion control: open loop, closed loop
choke packets.



concept of congestion

Open loop congestion control

policies adopted:

- Retransmission Policy
- Window Policy
- Acknowledgement Policy
- Discarding Policy
- Admission Policy