



SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107

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Department of Information Technology

Course Name – 23ITT204 & Computer Networks

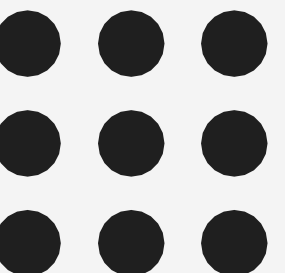
II Year / IV Semester

UNIT 2 – Transport Layer

Topic 7 : Quality of Services

5/03/2025

Quality of Services / Computer Networks /Ms.K.Revathi, AP/IT / SNSCE

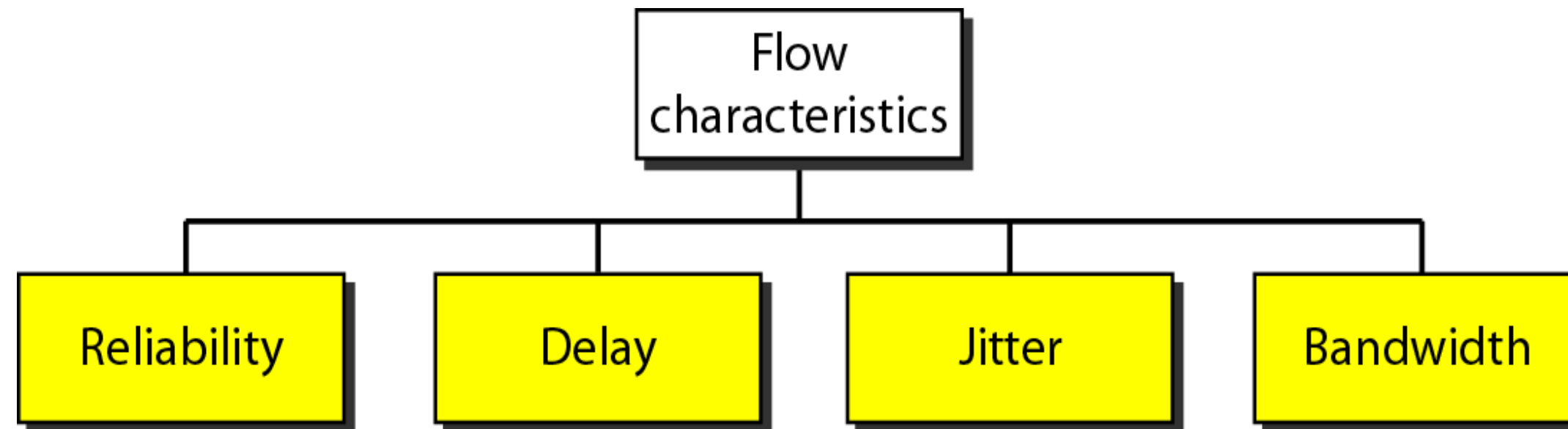




Quality of Services (QoS)

- Quality of service (QoS) is an internetworking issue that has been discussed more than defined.
- We can informally define quality of service as something a flow seeks to attain.
- Topics discussed in this section:
 - Flow Characteristics
 - Flow Classes

Flow characteristics



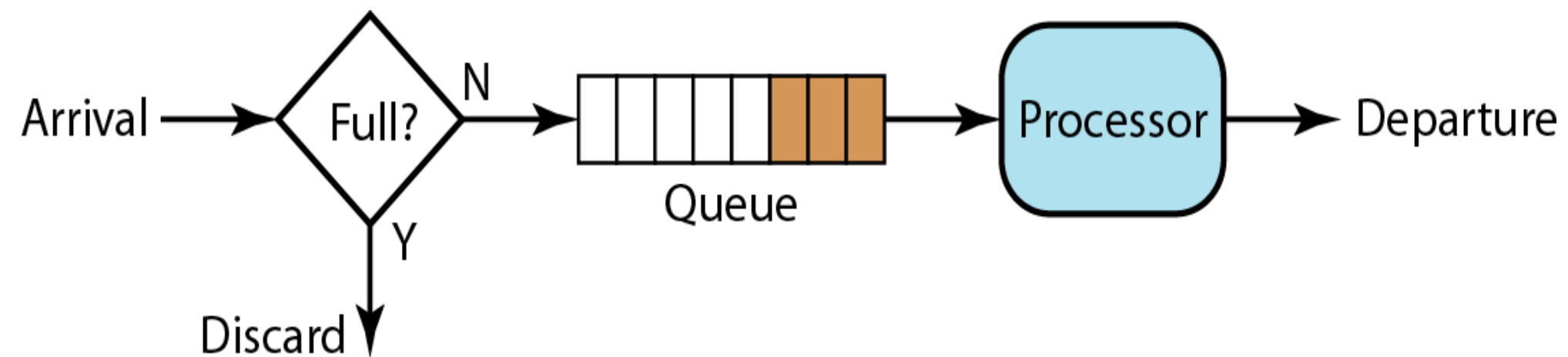


TECHNIQUES TO IMPROVE QoS

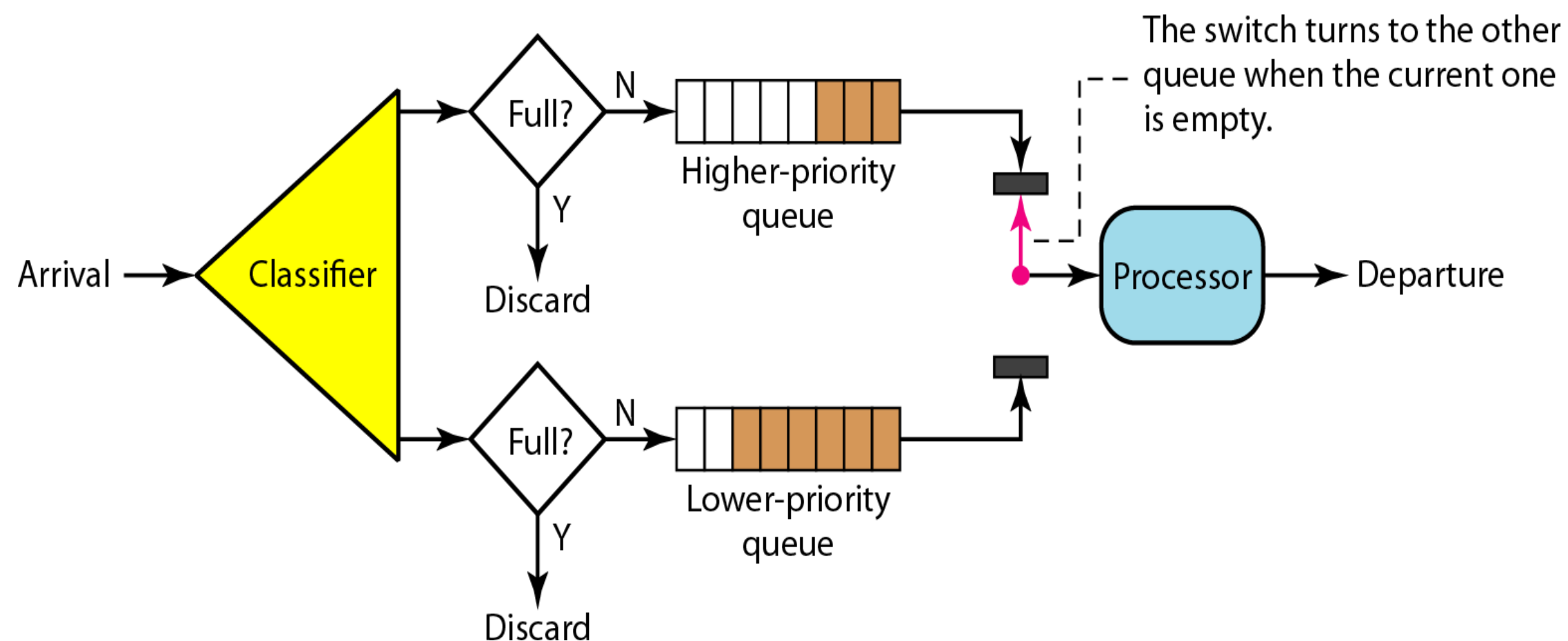
- In this section, we discuss some techniques that can be used to improve the quality of service.
 - Scheduling
 - Traffic Shaping
 - Resource Reservation
 - Admission Control



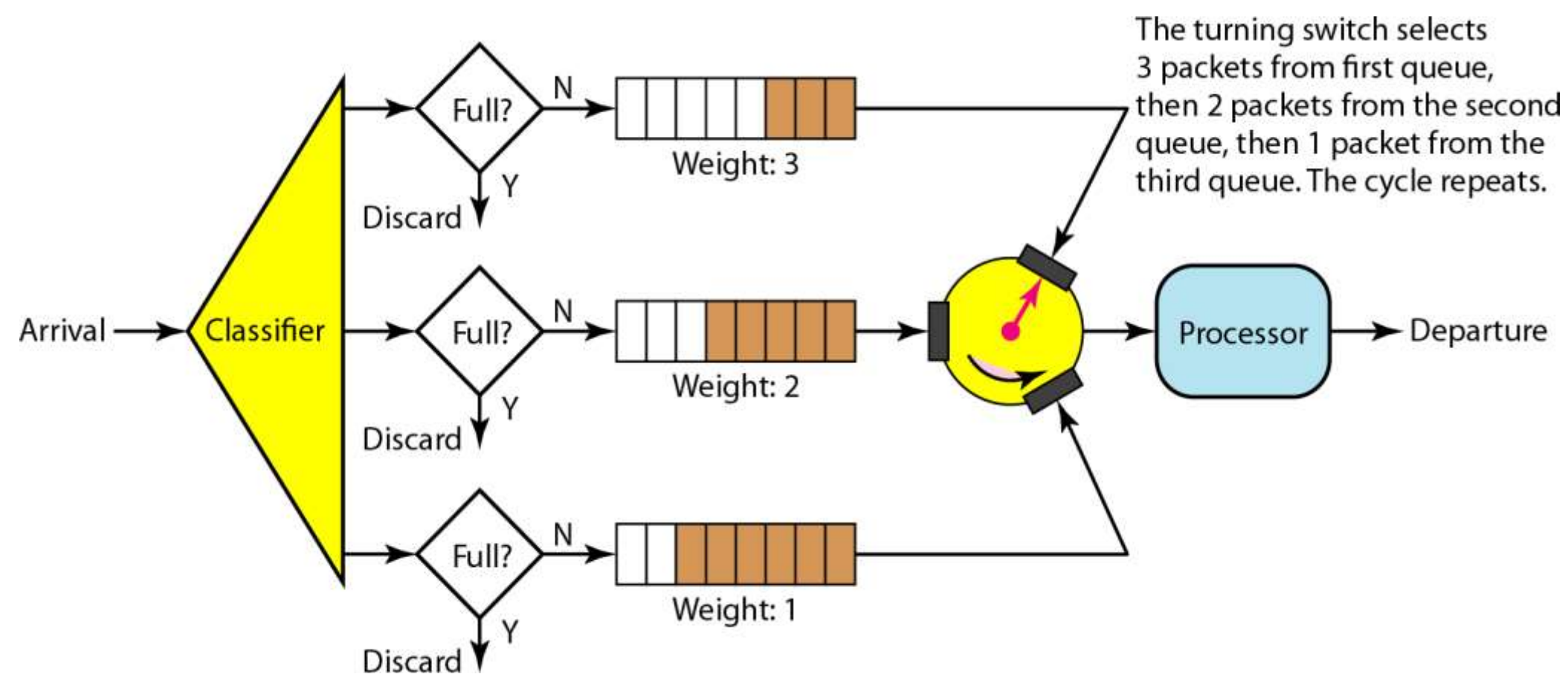
FIFO queue



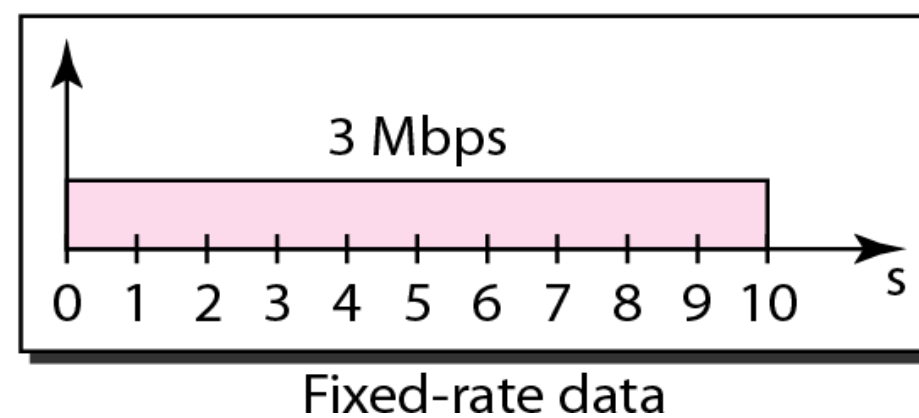
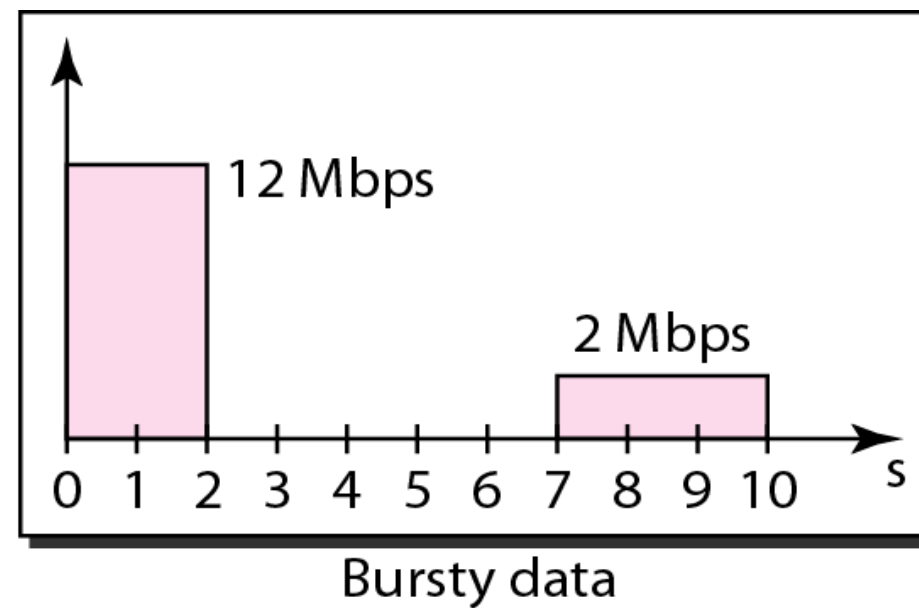
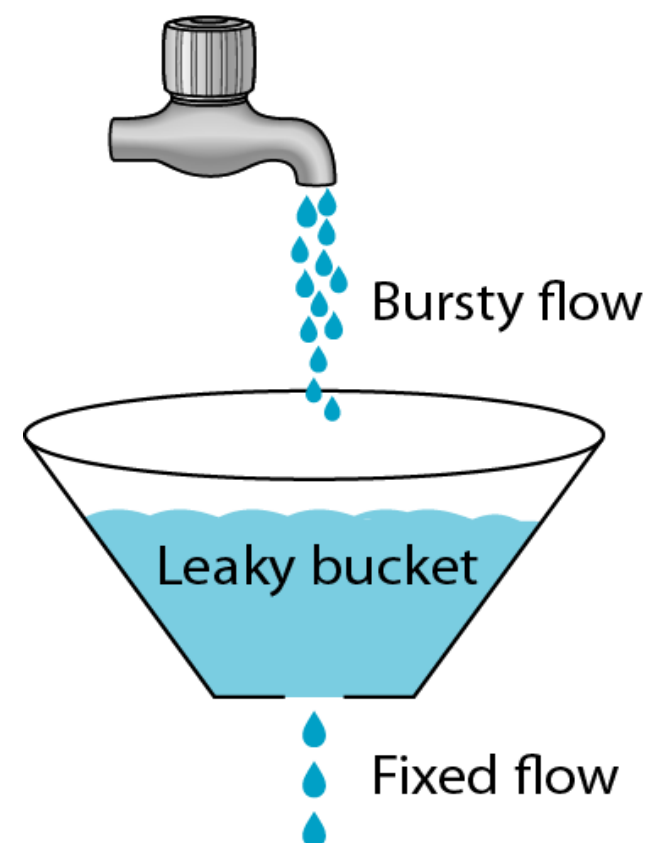
Priority queuing



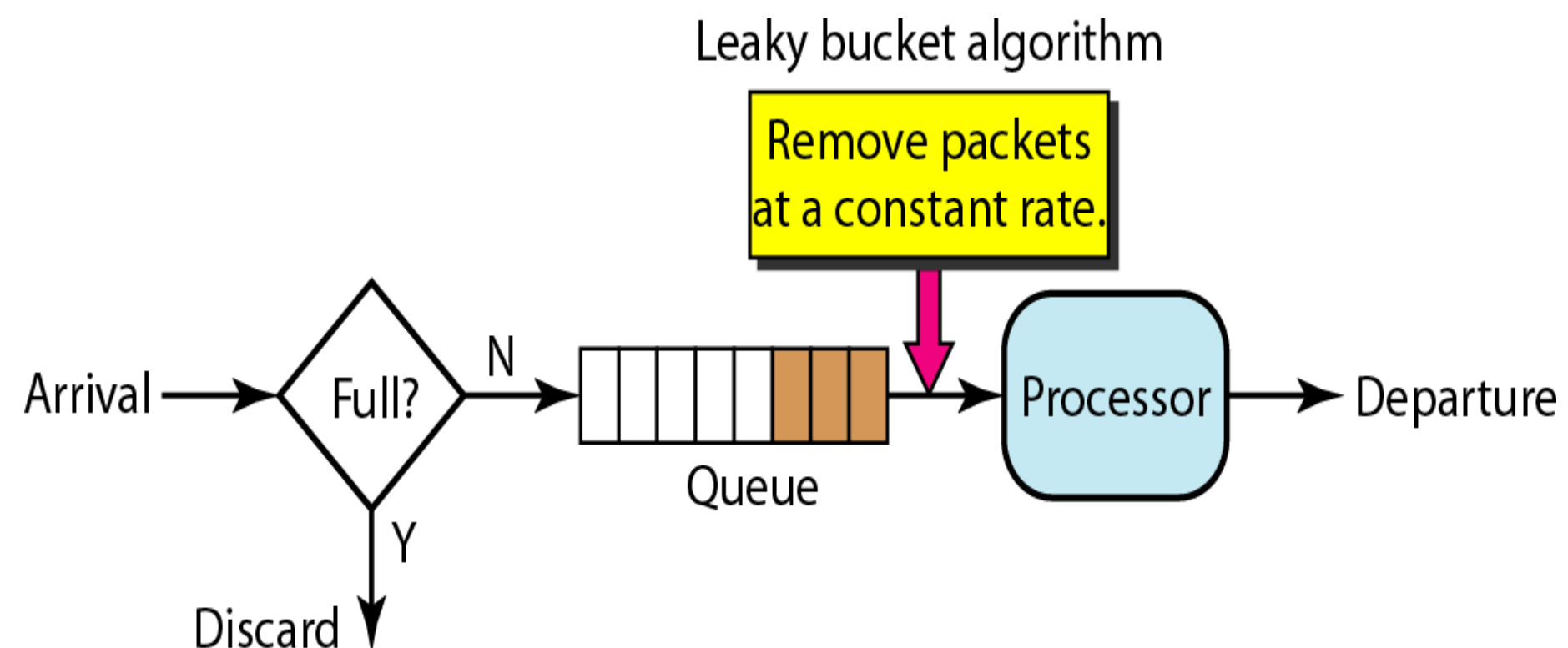
Weighted fair queuing



Leaky bucket

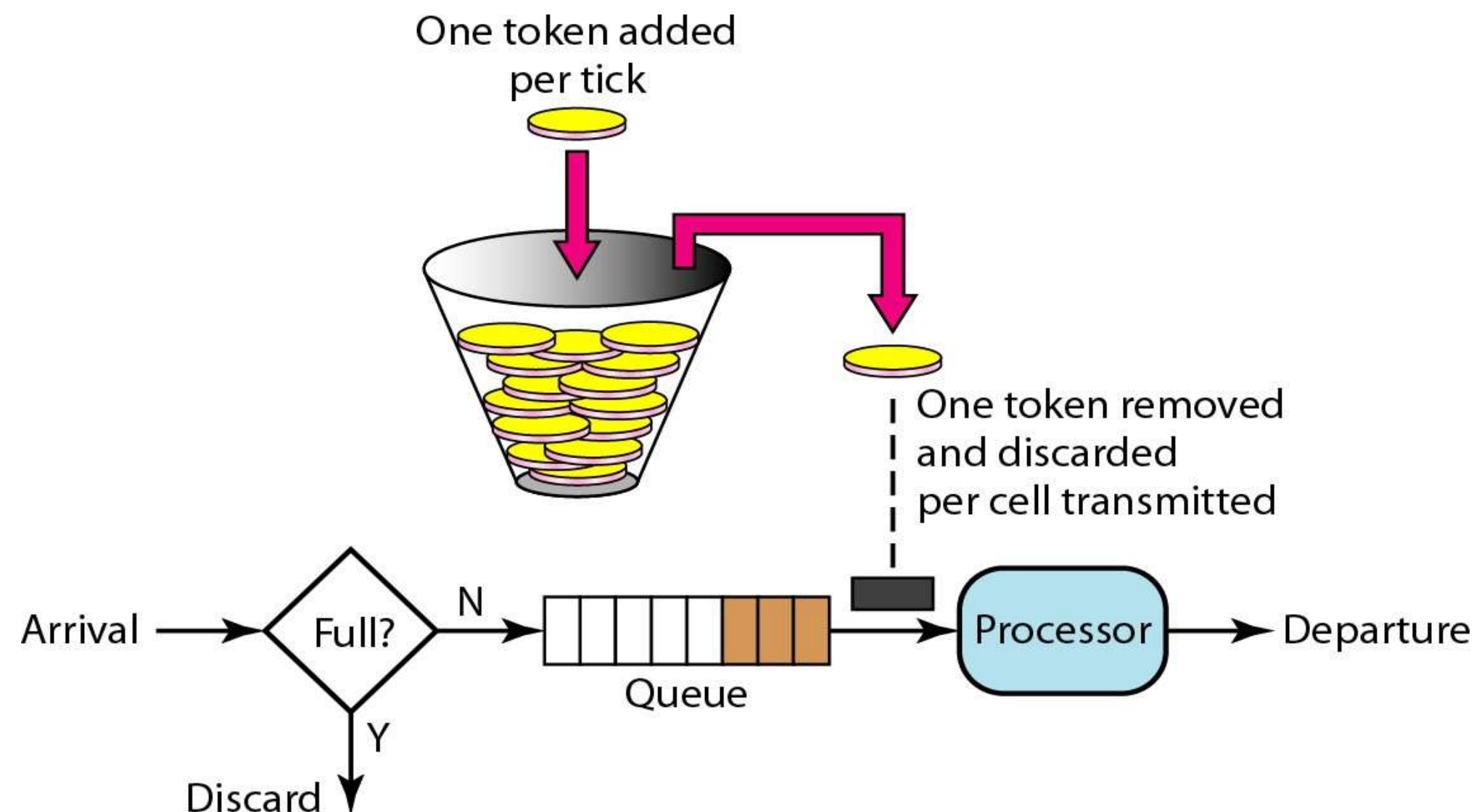


Leaky bucket implementation



A leaky bucket algorithm shapes bursty traffic into fixed-rate traffic by averaging the data rate. It may drop the packets if the bucket is full.

Token bucket





THANK YOU