

Everyday Queues

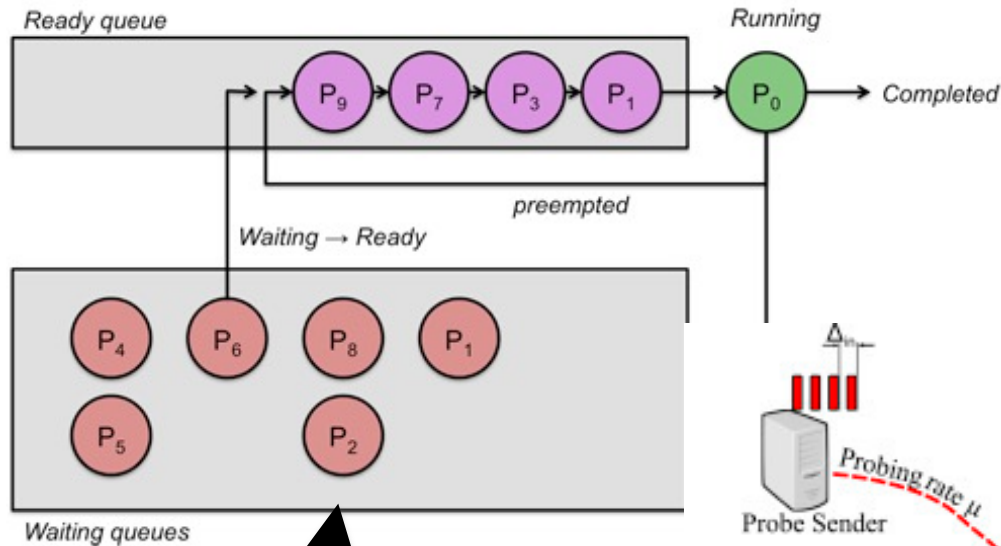
Queues

FIFO I/O FIFO O_v+



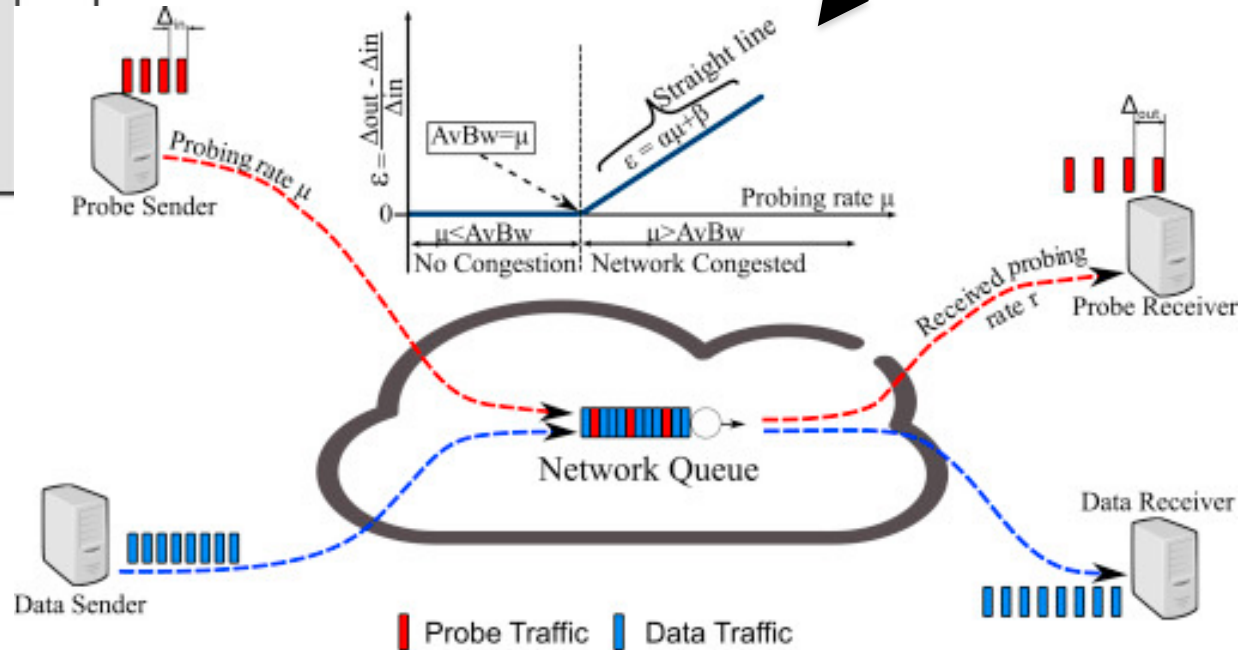
Queues in computers

Source: <https://www.cs.rutgers.edu/~pxk/416/notes/07-scheduling.html>



Network congestion

OS job scheduling



Source: <https://www.sciencedirect.com/science/article/pii/S108480451730423X>

Use Queue Interface for Food Orders

A queue of strings

(a) enqueue adds *Chicken Noodle Soup*

(b) enqueue adds *Asian Sesame Salad*

(c) enqueue adds *Mac and Cheese*

(d) enqueue adds *Modern Greek Salad*

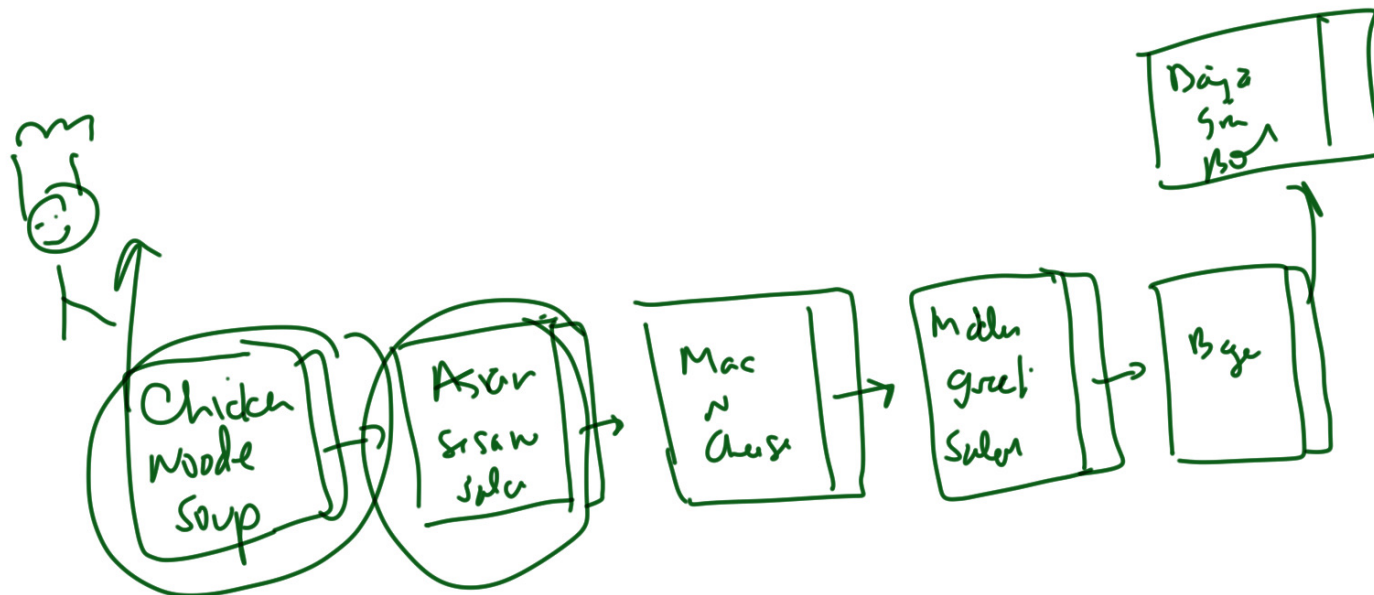
(e) enqueue adds *Bagel*

(f) dequeue retrieves and removes *Chicken Noodle Soup*

(g) enqueue adds *Baja Grain Bowl*

(h) dequeue retrieves and removes *Asian Sesame Salad*

Food Orders “First Come First Serve”



doqueue()