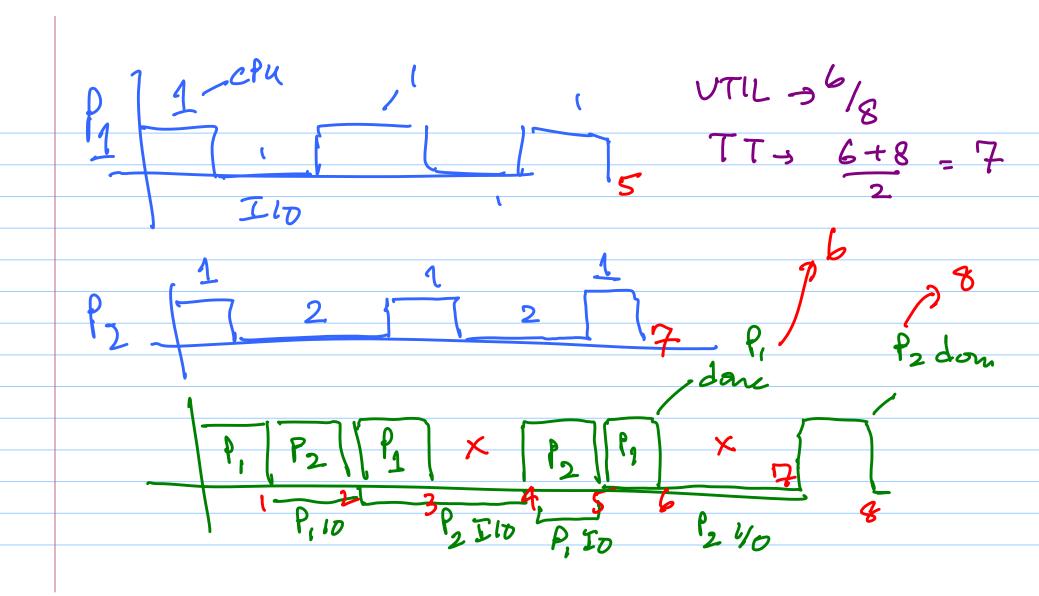
Date: 9 Class: 7 **CSE 330: Operating Systems** Fall 2016 Note Title CPU scheduling CPle ulitization Throughput > # of jobs, - Turnawound time -Response time

FCFS CPa burglo no 7/0 non preemphive



SJF -> shortest job first

SJF -> shortest job first

Soptimal

CPU buret only

SJF ->

(1) NOT implementable

(2) Starvation prone

Priority Scheduling

(5) highest priority first

FEFS -> arrival time is priority

SJF -> CPU burst length 1)

Need preemplive

Tong running / infinite

toops weed to be interrupted

Tuteractive usage

Round-Robin. (preemptive) Is time quanta Les the longret interval of time a job is allowed to use the CPU

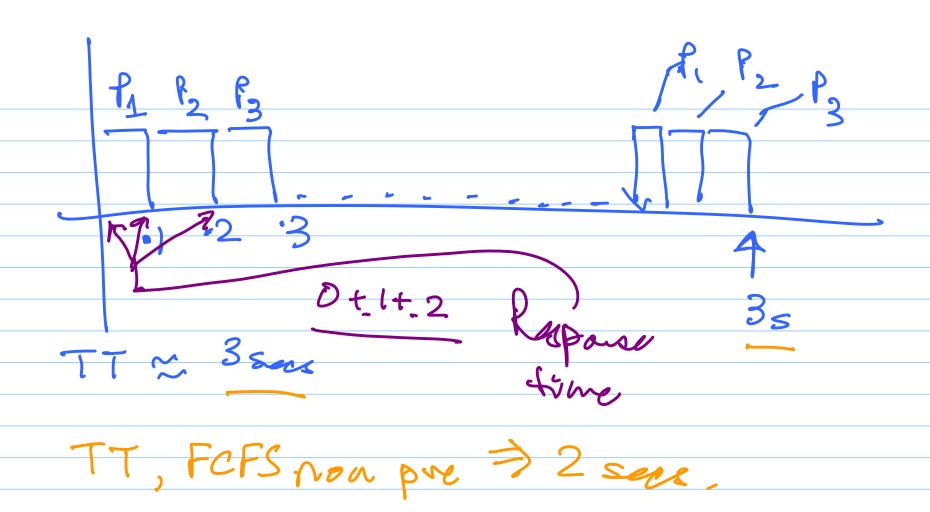
g of ready processes

herd > D + D + 1 sec

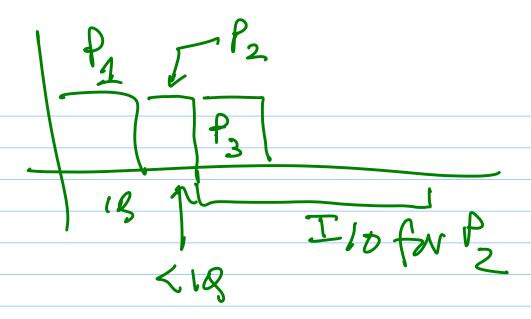
P, P2 P3 P1

L run this for 1 q, or less

0.1 sec

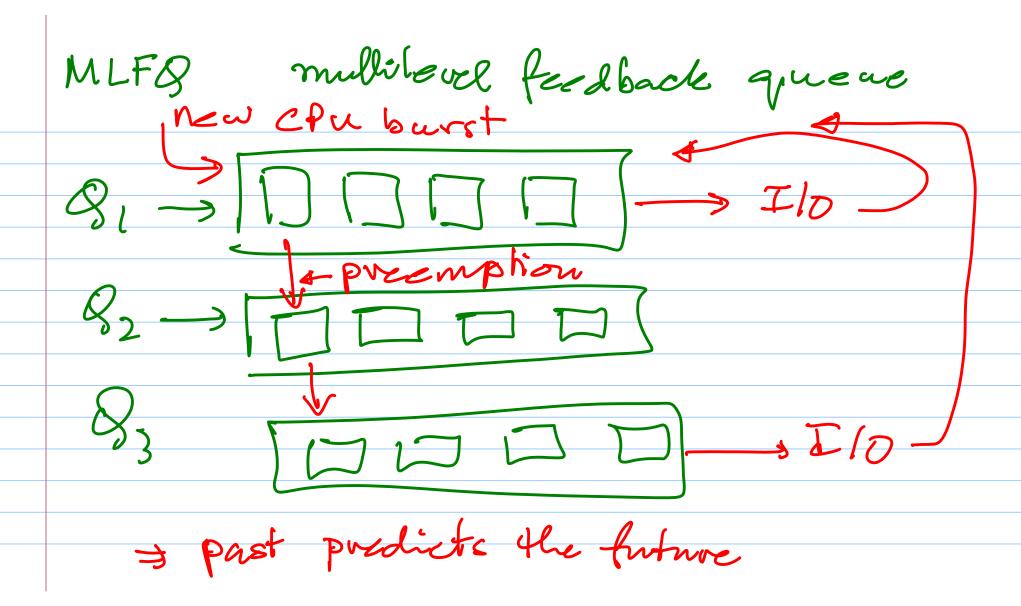


time of should be very small



RR has poor performance P1 P2 P2 -> interactive P4 P5 P6 -> Computer untensive > slows down respaise for P. P. P.

MLQ -> multilævel Q's -> P. P. P. interactive Starvation P4 + 1 P5 + 1 Computing time quaifferent for diff quemo.



Windows 32 level MLFQ a-15 -> normal higher 3" real time " UNIX - she NICE system process has a "nice" level -20 ---+19

Sformladriven + 19 -20 - - - for user processes Divid processes can use this

Linux 2.4

interactive, batch, real time

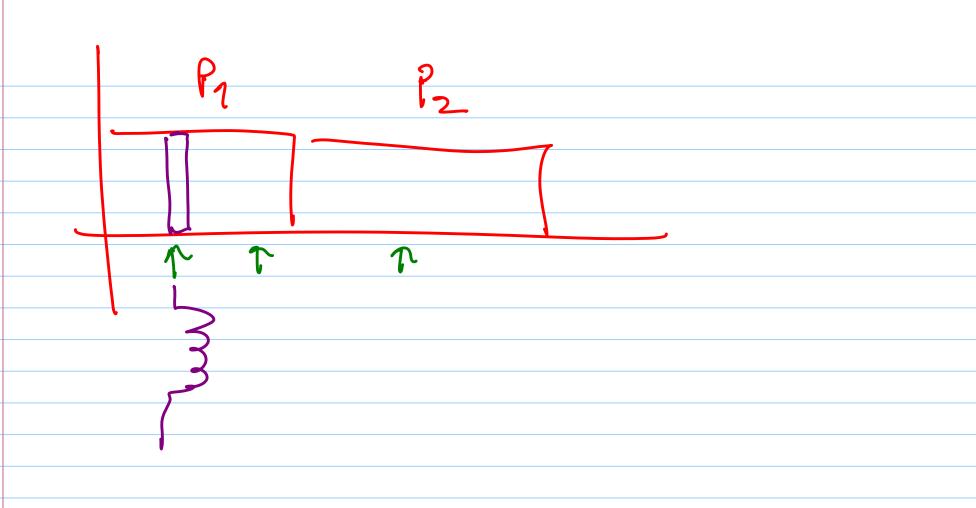
Global P

- EPOCH

Liny 2.6 VI -> 140 gues. 1 Active lexpired Qs Linnx 2.6 V2 > CFS scheduler

Completely Fair Sched

Delanced binony here



- traces

- que veing models

- simulations

- actual implementation