O(1) Scheduler - 2.4 Big-oh

L) Multi-level feedback queue scheduler

-> low time-complexity, so suitable for a lot of processes

-> could handle interactive and CPU-intersive processes.

Disadvantages:

(1) A lot of heuristics are involved.

(2) Abrupt changes in the time slices.

Completely Foir Scheduler
Target assigning of equal processing time to all the processes. Suppose there are n processes. $ts \propto \frac{1}{n}$ ts = $\frac{k}{n}$, k is a constant of proportionality, and here it is known as "target laterg". Process runtine ri of process pi Uaiting state.

How much Time in running state

Process with minimum vruntime - Using a height-balanced tra - Red-block Tree 2) -> O (log n) Rebalancing happens over much more often What are the system calls related to scheduling? nice numbers -> CFS also takes care of nice vrustine = rustine * rice_number + 2021 Increments the rice value by the given number. vruntine -> unsigned long (2) sched-yield(); Soft real-time jobs/processes -> SCHED_FIFO, SCHED_RR , real-time processes

Start

Start

Schuller

Schuller

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