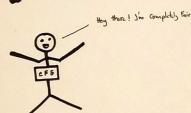
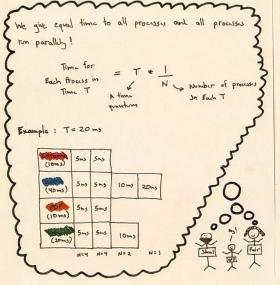
A Day In The Life of A Completely Fair Scheduler [CF5]

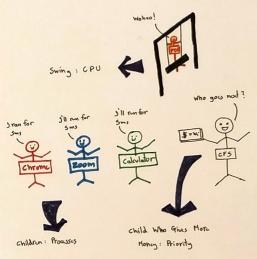


4 By- Prest Patel

My Parents Were Ideal Fair Schedulers



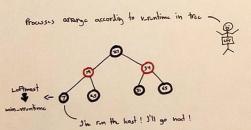
How Do J Work? Let's Take an Analogy!



How J Choose Who Goes Next?

I use Virtual Run Time - A quantity of how long v-runtime a process has run min Basically Smallest -> Time on CPU -> min_vr. whime mmm when a new kid comes, I allot him v_runtime & min-vruntime New kids get to play first! they Str. joining the queue! x-runtime for all the kids increases with each chance v-runtime;+= ti = execution time

How Am J Implimented? RB Tree!



RB True is updated at every content switch / timer

NEW Processes Added

Finish / Blocked Processy Removed

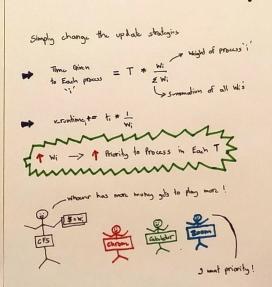
chargin constantly!

WHY RE Tree?

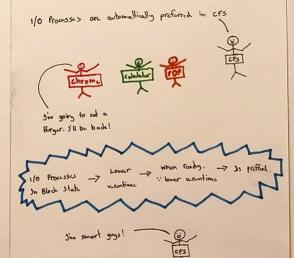
Soff Balencing Binary Search Tree Insort, Delete, Update: O (log N)

Finding Min-rountime: 0(1)

Can & Give Priority To Some Processes?



What About 1/0 Processes ?



Are You a Nerd?



Want to know more ? Chack out there:

- https://opensource.com/article/19/2/Fair-schedding-linex
- https://kernel.org/doc/Documentation/scheduler/sched-design-cfs-tol
- https://devoloper.ibm.com/technologies/linux/thorials/
- https://cs.columbia.cdu/~juntery/13fa-w4118/lectures/

