Completely Fair Scheduler (CFS)

For a perfect (unreal) multitasking CPU

- ightharpoonup n runnable processes can run at the same time
- each process should receive $\frac{1}{n}$ of CPU power

For a real world CPU

- can run only a single task at once unfair
 - while one task is running
 - (3) the others have to wait
- p->wait_runtime is the amount of time the task should now run on the CPU for it becomes completely fair and balanced.
 - © on ideal CPU, the p->wait_runtime value would always be zero
- CFS always tries to run the task with the largest p->wait_runtime value