

Progress this week

Dug around in the kernel a little bit and found the implementation of the CFS scheduler. There is some method `pick_next_task()` that seems to branch out into the rest of the different scheduler implementations. I still need to really dig into how exactly this function actually goes through the queues and picks the tasks. It seems like there is just a simple iterator through the different scheduling runqueues that finds the first task. But, it's all in these weird wrapper functions with weird annotations that I haven't seen before. But, if this function is really all there is to picking a task, it might not be that bad to implement something like a MLFQ using the `SCHED_RR` queues.

`PREEMPT_RT` patch did not really yield anything, if anything it's even harder to parse through since its just diffs, not anything cohesive. It doesn't add new schedulers and rather just patches the old one I think.

Plan for coming week

As above, to dig into how exactly the function goes through the queues and picks the tasks. I might be able to just pop in my scheduler into this function.

Problems

Long term plan: still OK?

Hopefully so!