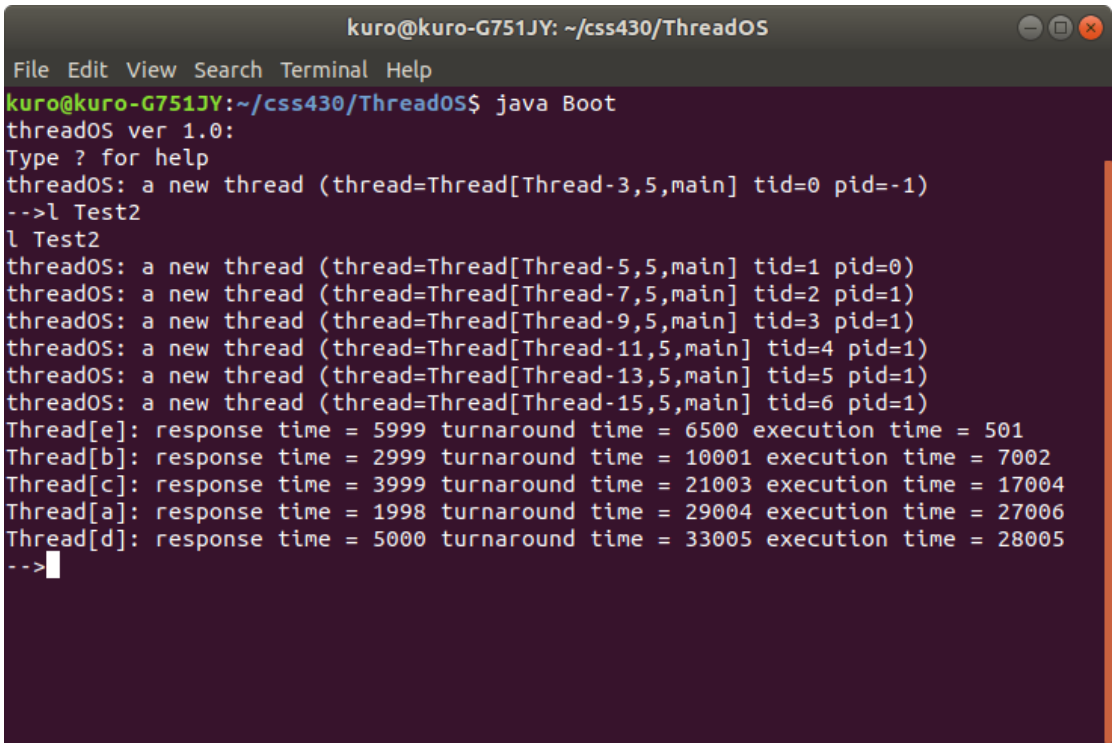
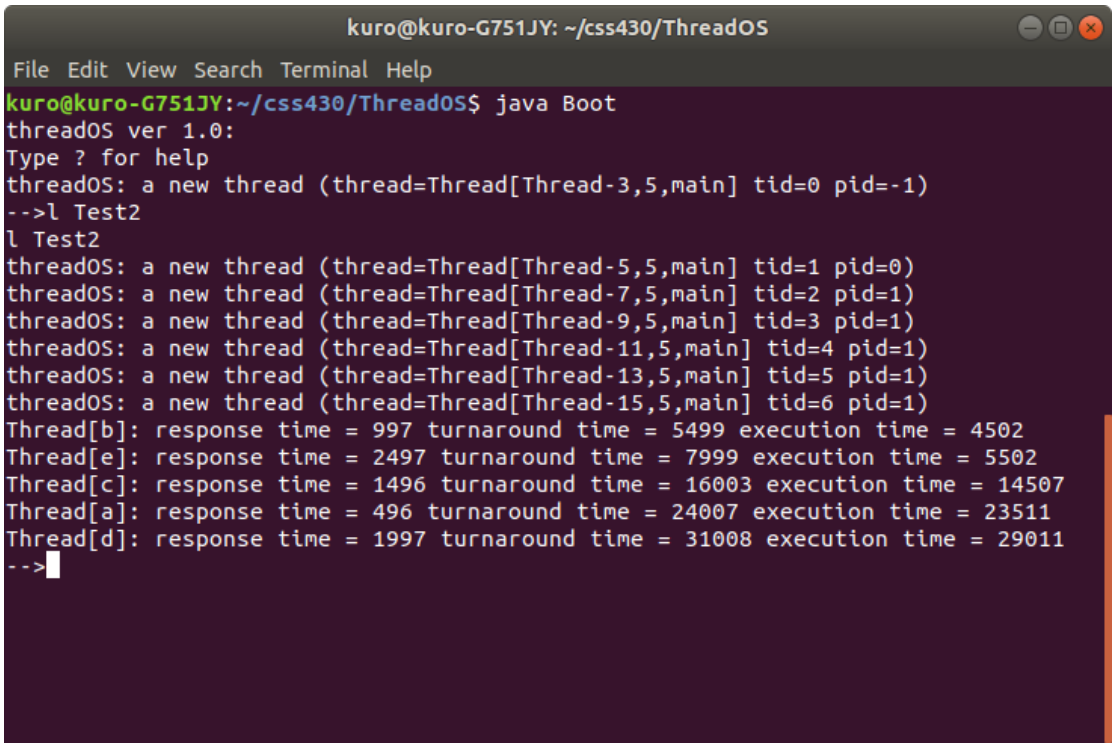
RR and MFQS comparison:

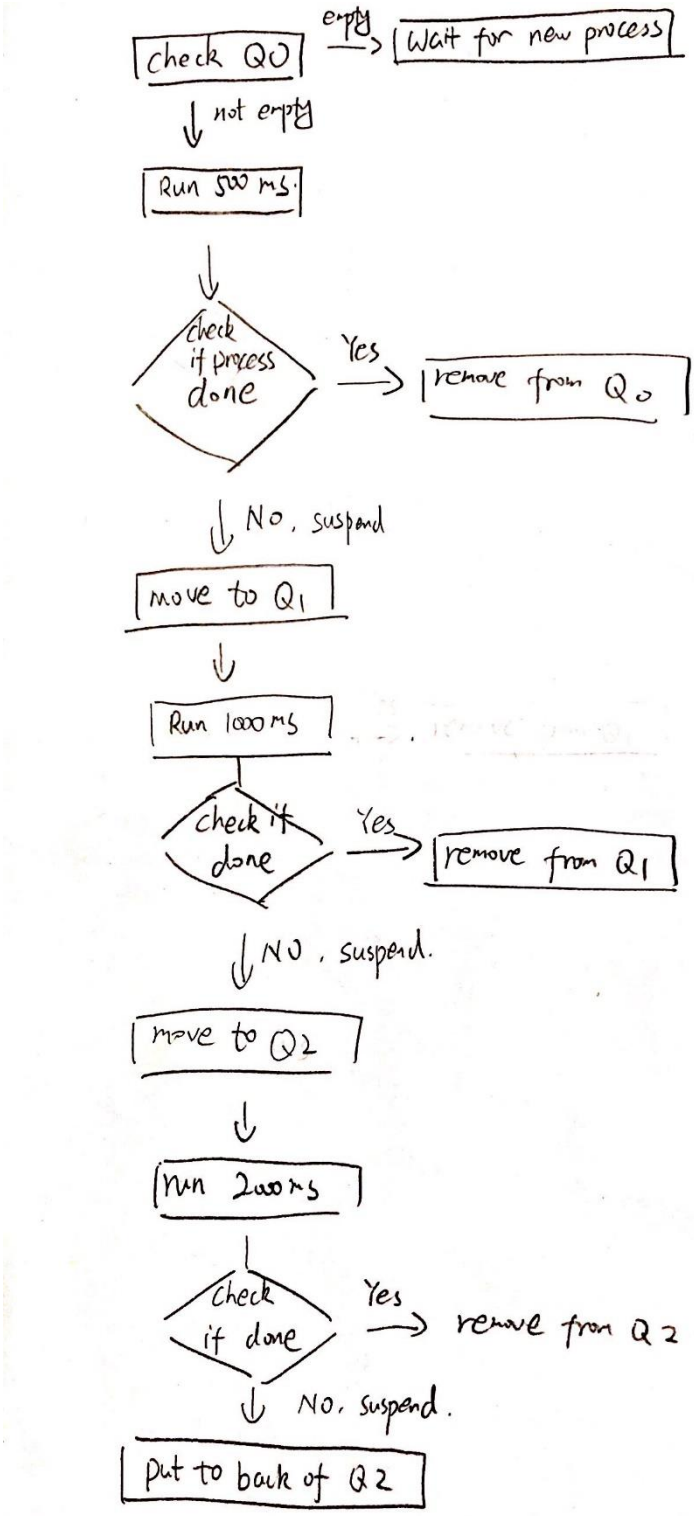
RR



MFQS



MFQS Algorithm:



Conclusion:

In general, MFQS scheduler preforms better than round robin scheduler. There are several points I want to mention.

1. MFQS has shorter response time since the first queue. Since its quantum is very short, it allows faster execution and accept next process.
2. MFQS has relative shorter Turnaround time. This shares the same reason above. First short queue allows process finish fast. So that process with small execution time can fast response and move out of the queue. In round robin scheduler, fast process need to wait in the queue for fix (1000ms) even it is already finished.
3. Notice some of execution time in MFQS is longer than RR. I think this because of the context switch.

FCFS:

If we use FCFS scheduler, it would cost much longer time. For example, thread a's CPU burst 5000ms. That means thread b need to wait 5000ms to execute. If we have some long CPU burst process comes first, the shorter process comes later will have a long response time.