

Homework 1

Mitchel Fields

2/26/15

1. FCFS

Average turnaround: 369.95 seconds/job

Average wait time: 362.87 seconds

Throughput: 11.8 jobs/minute

2. RR

Average turnaround: 336.38 seconds/job

Average wait time: 329.3 seconds

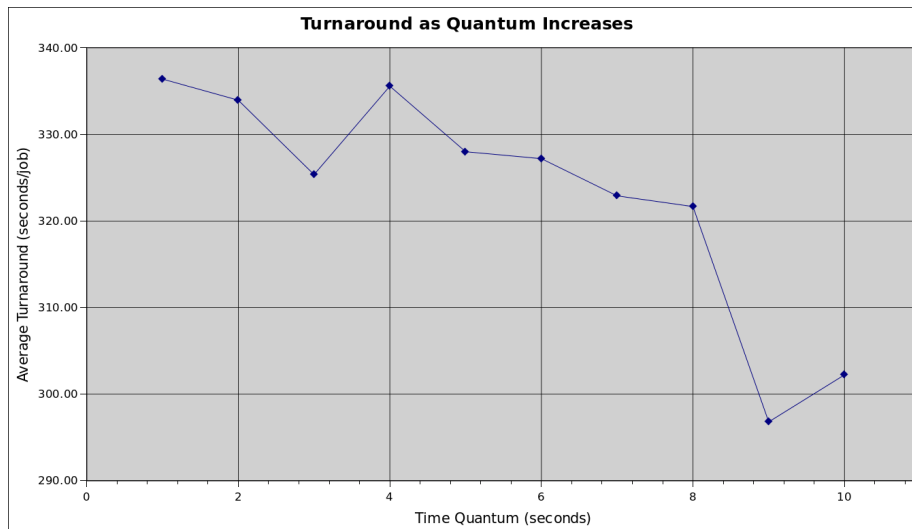
Throughput: 11.8 jobs/minute

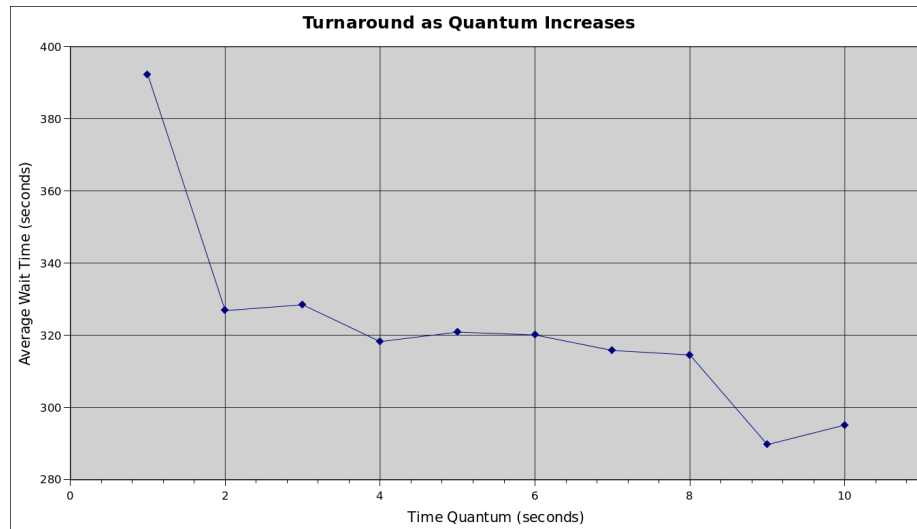
3. SJF

Average turnaround: 185.63 seconds/job

Average wait time: 178.55 seconds

Throughput: 11.8 jobs/minute





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Shortest job first minimizes wait time as a result of the shortest jobs executing first. This minimizes the wait time of the following jobs as much as possible; the shortest jobs accrue the shortest wait time for the other, longer, jobs.