University of Calgary

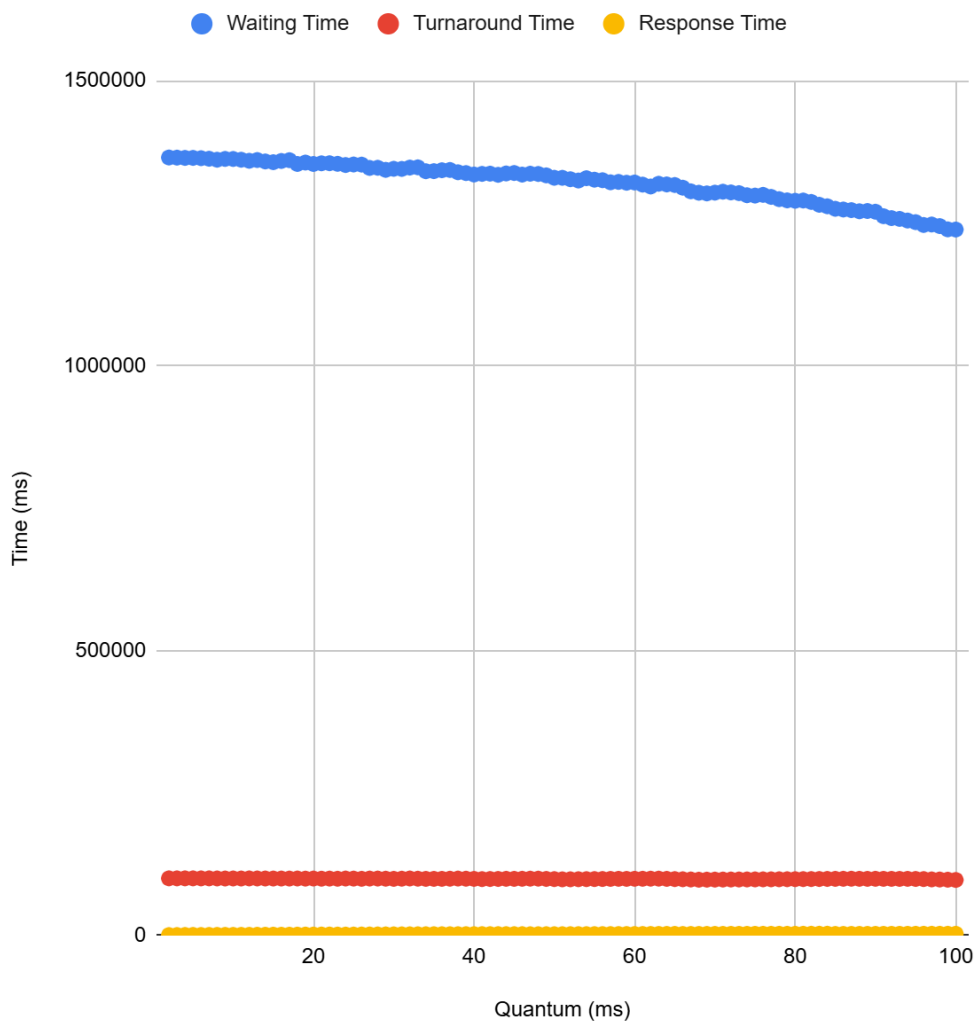Assignment 1: Uniprocessor Scheduling

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CPSC 457
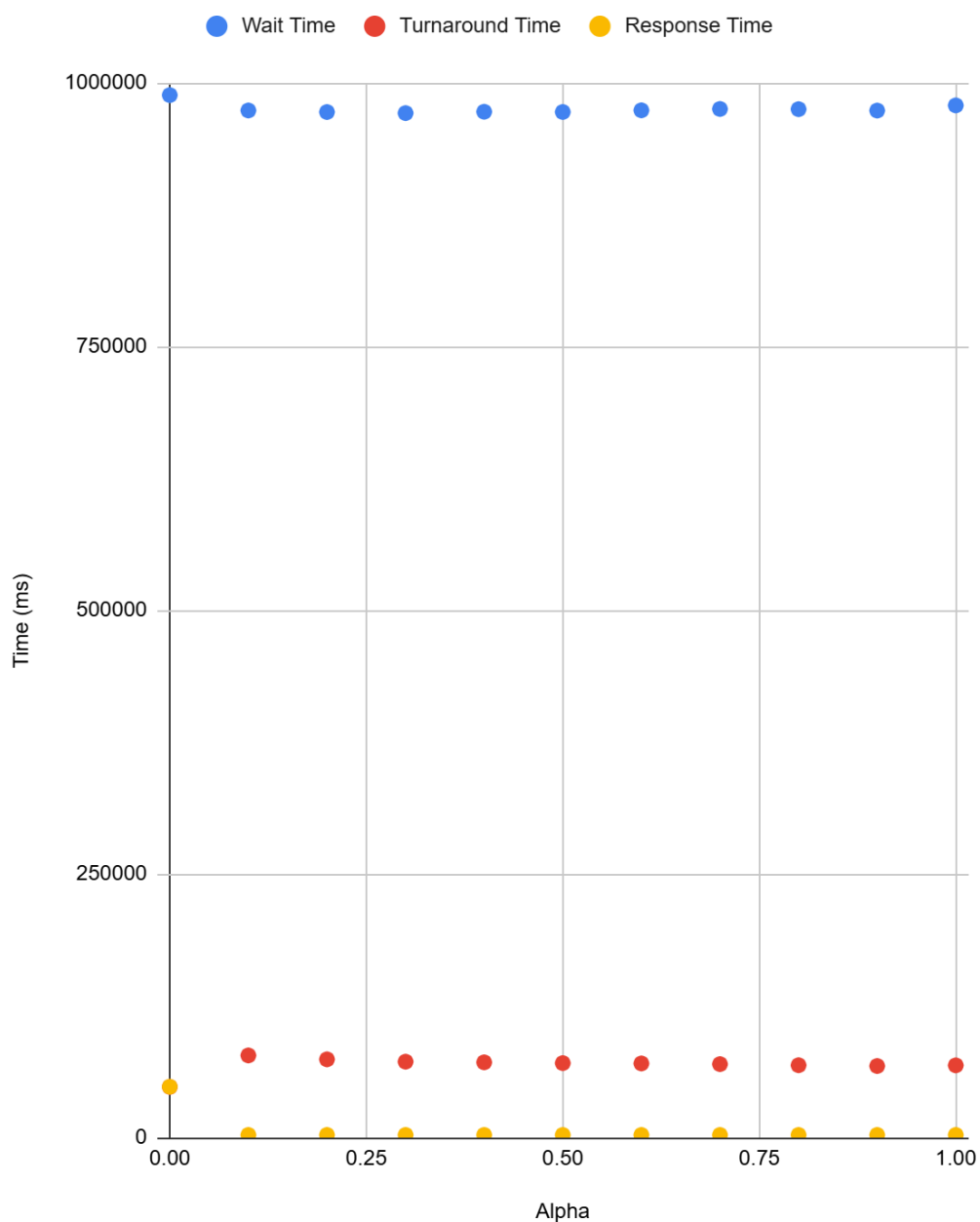
Professor Jalal Kawash

29 Sep. 2024

## Round Robin Graph



As the time quantum increased, the turnaround times stayed relatively constant, while the wait times gradually decreased, and the response times increased. The response times increased from a little over 1000 ms to around 3300 ms, while turnaround times stayed fixed at around 100000 ms (plus or minus 2000 ms) whereas the wait times started at around 1365000 ms before decreasing to around 1234000 ms.

## Shortest Remaining Time Graph

● Wait Time    ● Turnaround Time    ● Response Time



The average response times decreased sharply beyond 0 (at 49000 ms when alpha was 0),

and then leveled off to around 2500 ms afterwards. The wait times (oscillating at 975000 ms)

were more or less constant regardless of alpha value. The turnaround times increased sharply

from alpha of 0 to 0.1, going from 48000 ms to 78000 ms, before leveling off to around 70000

ms for the remaining alpha values.