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CS 492 Assignment 1 report.pdf

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"I pledge my honor that I have abided by the Stevens Honor System."

## Performance Analysis

The performance of your scheduling algorithms can be measured by the total time taken to complete all of the jobs and by the time taken to complete individual jobs. Use the *gettimeofday* or *clock* functions to obtain a timestamp when products are generated by producers and are printed out by consumers. Calculate the time taken to finish consumption by taking the difference between these two timestamps.

For each set of input parameters and variations on scheduling algorithms, calculate the following:

- Total time for processing all products
- Min, max and average *turn-around* times
- Min, max and average *wait* times
- Producer throughput
- Consumer throughput