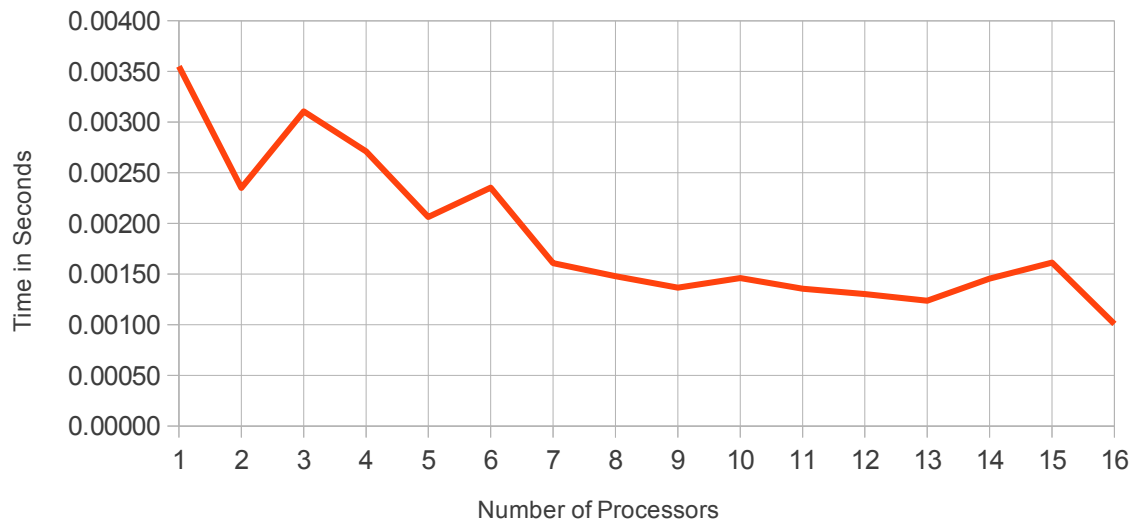Trevor Whitney

Homework #1

1) While it was not a directly linear relationship, the execution time of the circuit satisfiability program definitely tended to decrease as the number of processors was increased. Most notably, the shortest execution time of 0.001 seconds was when 16 processors were used.

Parallelization of Circuit Satisfiability

(Time in Seconds vs. Number of Processors)

2) Similar to the results with circuit satisfiability, execution time went down as the number of processors increased. However, in this case, there was what appears to be more of an exponential relationship between execution time and number of processors.

Parallelization of Pi Calculation

(Time in Seconds vs. Number of Processors)