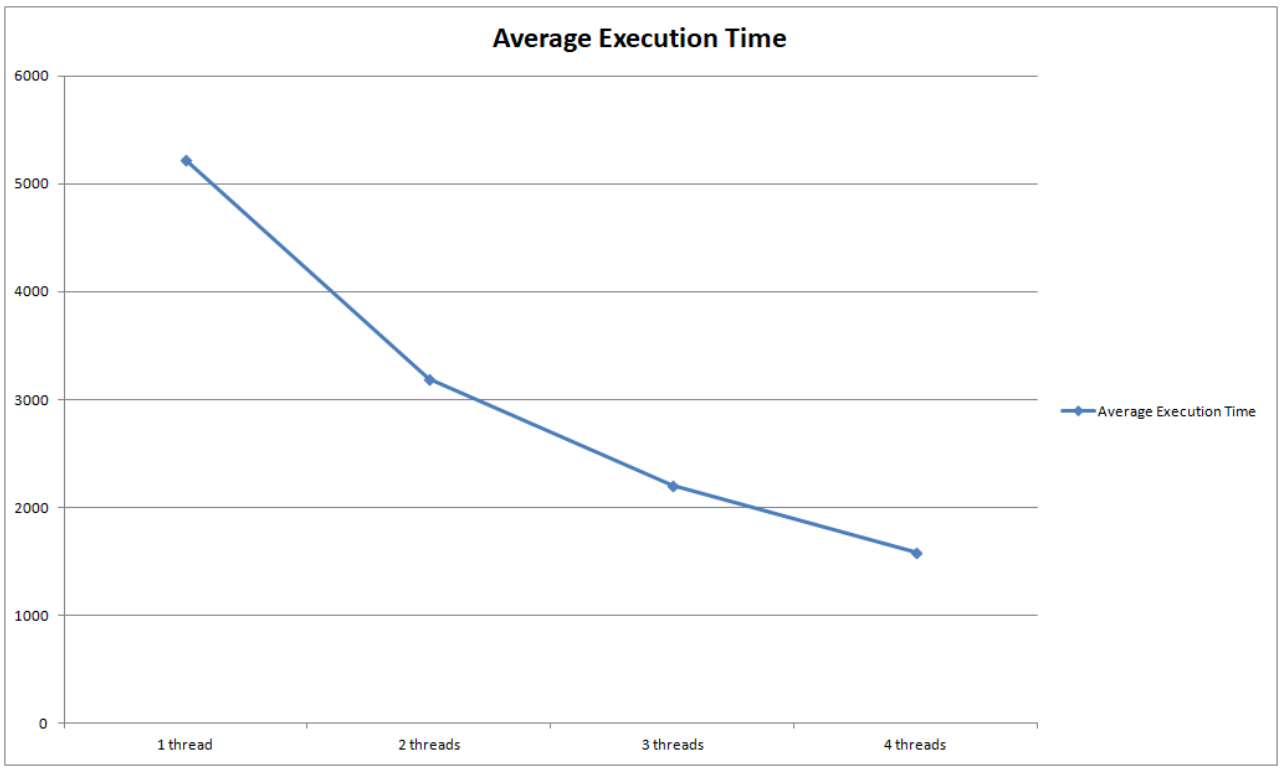

Amdahl's law states that a program's speedup is related to the number of threads by the following formula $\frac{1}{(1-p)+\frac{p}{n}}$ where p is the percentage of the program that can be parallelized and n is the number of threads. This would imply that the time taken to complete the task should reduce with each additional thread, however the rate of change should decrease with each additional thread. Evidently, this is exactly what was observed.