Efficiency Report

Shinji Kasai
Used Onyx Server.

Sorted 100000000 arrays. The Figure1 represents the relationship of the number of threads and the running time. The running time decreases when the number of threads is increasing. This tells that increasing the number of threads results in a running time shorter.
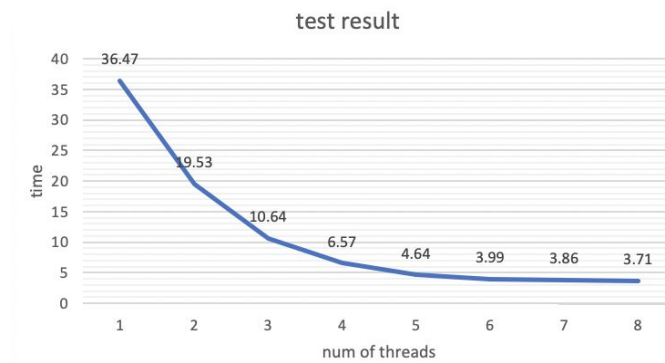

Figure1

Figure2 represents a speedup in percentage. As the number of the threads increases rapidly, however after thread 6, the speedup graph grow slowly.
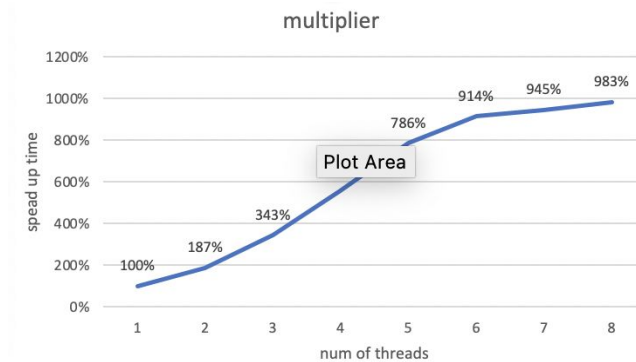

Figure2

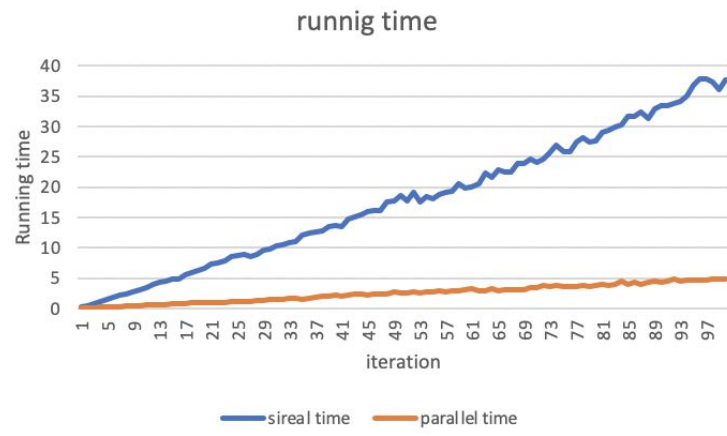Figure3 shows multi threads(orange line) always has faster running time than single threads(blue line).

runnig time

Figure3