Laboratory 3

Hardware properties: i5 core, 2 processors (1.70 GHz, 2.40 GHz), 8.00 GB RAM

Java:

- input Matrix (1000x1000):

-thread pool:

- 1 thread: 84 (addition); 13867 (multiplication)

- 4 threads: 13 (addition); 8932 (multiplication)

- 100 threads: 21 (addition); 6873 (multiplication)

- 200 threads: 55 (addition); 7003 (multiplication)

-future:

- 1 future: 0 (addition); 13231 (multiplication)

- 4 futures: 3 (addition); 1776 (multiplication)

- 100 futures: 12 (addition); 67 (multiplication)

- 200 futures: 34 (addition); 50 (multiplication)

C++:

- input Matrix (100x100):

-thread pool:

- 1 thread: 258 (addition); 28251 (multiplication)

- 4 threads: 136 (addition); 14612 (multiplication)

- 100 threads: 158 (addition); 13840 (multiplication)

- 200 threads: 180 (addition); 13726 (multiplication)

-future: 137 (addition); 14063 (multiplication)