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Grupa 931/2

Lab 4

Parallelize the multiplication of 3 matrices. Use a configurable number of threads to do one matrix multiplication. Then, use another set of threads to do the second multiplication. The threads in the second set should start as soon as they start having data from the first multiplication result.

Computer specifications:

Processor: 2,9 GHz Quad Core i7

Memory: 16GB 2133 MHz LPDDR3

OS: macOS Mojave, Version 19.14.1 Beta

OS type: 64 bit

Data

Data Amount	Number of threads	Execution time per test MULTIPLICATION	Execution time per test ADDITION
2 x 2 x 2	2	00:00:00.1158870	00:00:00.1124300
4 x 4 x 4	4	00:00:00.1384880	00:00:00.1324540
10 x 10 x 10	5	00:00:00.1807320	00:00:00.1762550
100 x 100 x 100	10	00:00:00.3058490	00:00:00.1375240