

README

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1 How to run the code

you have to type following command: `g++ -mavx -o task task.cpp`
and then run this command: `./task`

2 PLOT

I didn't make the plot for **Part B** inside my code as it requires external libraries, and you have mentioned that only use standard libraries. So, I thought maybe you have to deal with library dependency issue. However, I have separately attached "plot.png" file which shows the results which I compiled separately. In the image on x-axis I have matrix original size divided by 100 (5 means 500*500 matrix) and y axis shows the execution time in seconds.

3 ALL tasks are completed including BONUS TASK