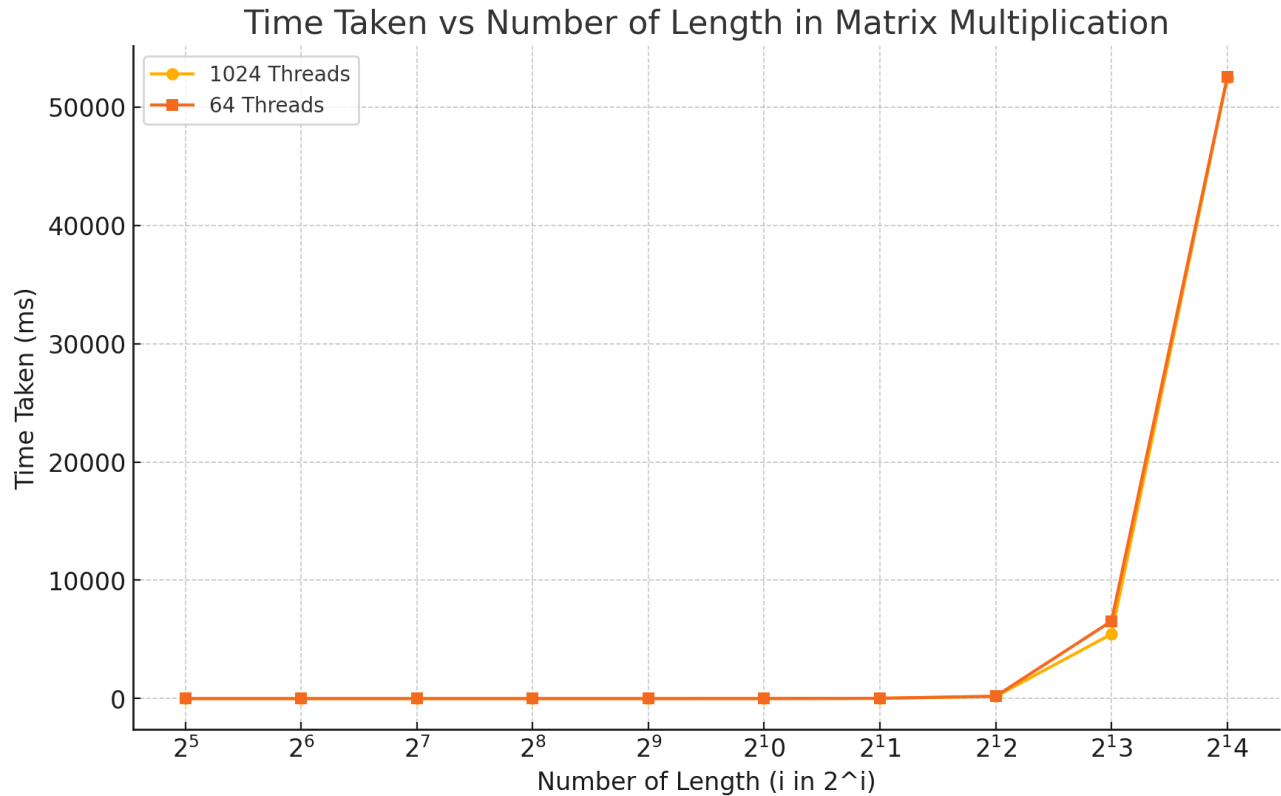# Assignment 6

Task1_c

On an Euler compute node, run task1 for each value n = 2^5, 2^6, · · · , 2^14 and generate a plot task1.pdf that reports the time taken by your algorithm as a function of n when threads per block = 1024. Overlay another plot which plots the same relationship with a different threads per block of your choice.

Task2_c

On an Euler compute node, run task2 for each value n = 2^10 , 2^11 , · · · , 2^29 and generate a plot task2.pdf which plots the time taken by your algorithm as a function of n when threads per block = 1024 and R = 128. Overlay another plot which plots the same relationship with a different threads per block of your choice.

Execution Time of Stencil vs Length of Image