Type of parallelization	Time of execution in seconds
parallelized with dynamic schedule	7.008215
non parallelized	6.315442
parallelized with static schedule	6.725896

Time of execution in seconds vs Type of paralellization
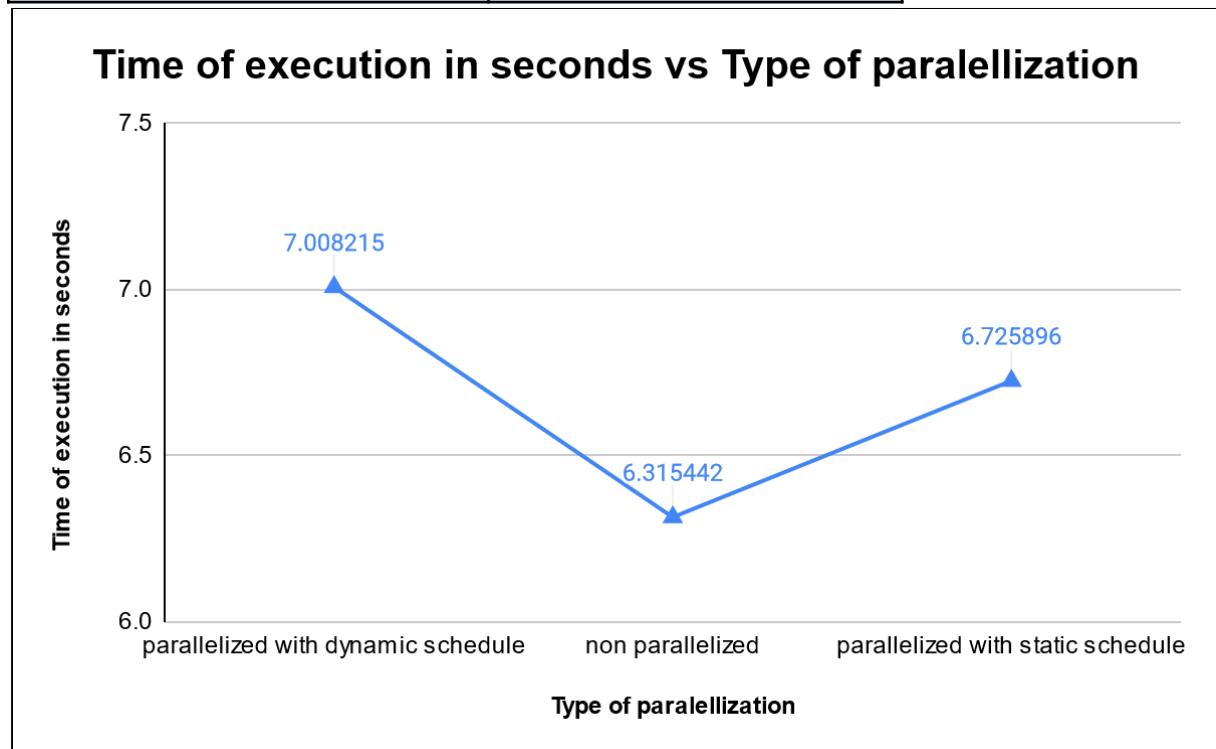
On average it is slower than, for example, the implementation with MPI but it can differ a lot if we would optimize the code before parallelization.

By protecting the variable sum with locks, the implementation is really slower and also we could only parallelize a part of the nested loop to try to get a fast execution.

In this case, the results have shown that a static schedule will be faster but because of the locks it is still slower than the times obtained in the past lab with MPI.