## Advaned Programming fo HPC - Report 1

Dinh Anh Duc

October 31, 2021

## How do I implement the conversion?

 $\bullet \ \ {\rm Added \ the \ calculation \ code \ from \ labwork} \\ 1_CPU() to labwork \\ 1_CpenMP() Added the line pragma ompparallel for \\ 1_CPU() to labwork \\$ 

## What is the speed up?

- labwork 1 CPU ellapsed  $261~\mathrm{ms}$
- labwork 1 ellapsed 43.4 ms (OpenMP modifired)

It looks like 7 times faste!