# HW7 OBSERVATION

In parallel execution, I used start-stop points for each cores.

I have divided total number of iterations to each cores.

So therefore each core will have its own count value.

To add all the count value, I have used MPI\_Reduce .

All the process will send their count values to node 0 in a receive buffer. And node 0 will have the total count.

Best speed up: n=30,000 and p=4

Even for larger iteration size, I used only 2 cores because it was giving me better speed up comparing when using more than 2 cores.