

EECS245 LAB2

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P1:

1.1

Configuration:

Number of elements : 10000.

Initial values are all 1s.

Chunk size is 20.

num_threads(NUM_MAX_THREADS) - NUM_MAX_THREADS 12

Execution time for static:

num of chunk is 501

Static Schdedule : total time is 4 ms

number of elements is 10000. Values are all 1 .

Chunk size is 20

Execution result for dynamic:

num of chunk is 501

Dynamic Schdedule : total time is 5 ms

number of elements is 10000. Values are all 1 .

Chunk size is 20

1.2

Configuration:

Number of elements : 10000.

Initial values are all 1s.

Chunk size is 20.

```
#pragma omp parallel for num_threads(x) schedule(static,CHUNK_SIZE)
```

Execution time for static:

x	Time(ms)
2	1
4	2
8	3
12	4

```
#pragma omp parallel for num_threads(y) schedule(dynamic,CHUNK_SIZE)
```

Execution time for dynamic:

y	Time(ms)
2	6
4	6
6	8
8	7
12	5

P2

Initially I can't compile the program on Windows Platform until I figure out how to compile this on MacOS. Due to limited time left, I only add some of the directives into source.