Homework #4

Wooseok Kim

Results openmp

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| n | N of Threads | Serial Time | Parallel Time | SpeedUp |
| 700 | 3 | 43 | 171 | 0.25 |
| 1400 | 4 | 85 | 160 | 0.53 |
| 2500 | 2 | 148 | 161 | 0.91 |
| 5000 | 4 | 286 | 177 | 1.61 |
| 10000 | 4 | 583 | 184 | 3.17 |

Results pthreads

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| n | N of Threads | Serial Time | Parallel Time | SpeedUp |
| 700 | 2 | 43 | 121 | 0.36 |
| 1400 | 5 | 85 | 168 | 0.51 |
| 2500 | 3 | 148 | 156 | 0.95 |
| 5000 | 4 | 286 | 145 | 1.97 |
| 10000 | 5 | 583 | 172 | 3.39 |