

February 20, 2018

Part 1: Smaller problem

Problem Size	CPU Per Task	Runtime	Speedup
160000	1	2.0315231010317802e-01	1
160000	2	1.9411723082885146e-01	1.044
160000	4	8.6949875112622976e-02	2.336
160000	8	4.4072392396628857e-02	4.610

Part 2: Bigger problem

Problem Size	CPU Per Task	Runtime	Speedup
1600000	1	1.9160435227677226	1
1600000	2	1.7370131998322904	1.103
1600000	4	9.4188106385990977e-01	2.034
1600000	8	4.7148392722010612e-01	4.064

Part 3: Scheduling options:

Dynamic
Chunk size = 1000

Number of Threads: 12

Runtime: 3.7826945912092924e-01