CMPE 478 - Homework 1 Report

Number of processors in PC is 4.

Results:

N	Tolerance	Threads/Cores	Sequential Execution Time(seconds)	Parallel Execution Time(seconds)	Speedup
10	0.000001	2	0.002275	0.001620	1.404321
		3	0.002275	0.001450	1.568966
		4	0.002275	0.001448	1.571133
		5	0.002275	0.047945	0.047450
20	0.000001	2	0.066156	0.042594	1.553177
		3	0.066156	0.038857	1.702550
		4	0.066156	0.031029	2.132070
		5	0.066156	0.110889	0.596597
40	0.000001	2	3.018537	1.441979	2.093329
		3	3.018537	1.216978	2.480355
		4	3.018537	1.058857	2.850750
		5	3.018537	3.70262	0.815244
80	0.000001	2	69.655543	44.681745	1.558926
		3	69.655543	32.460655	2.145845
		4	69.655543	26.314995	2.646991
		5	69.655543	50.640682	1.375486