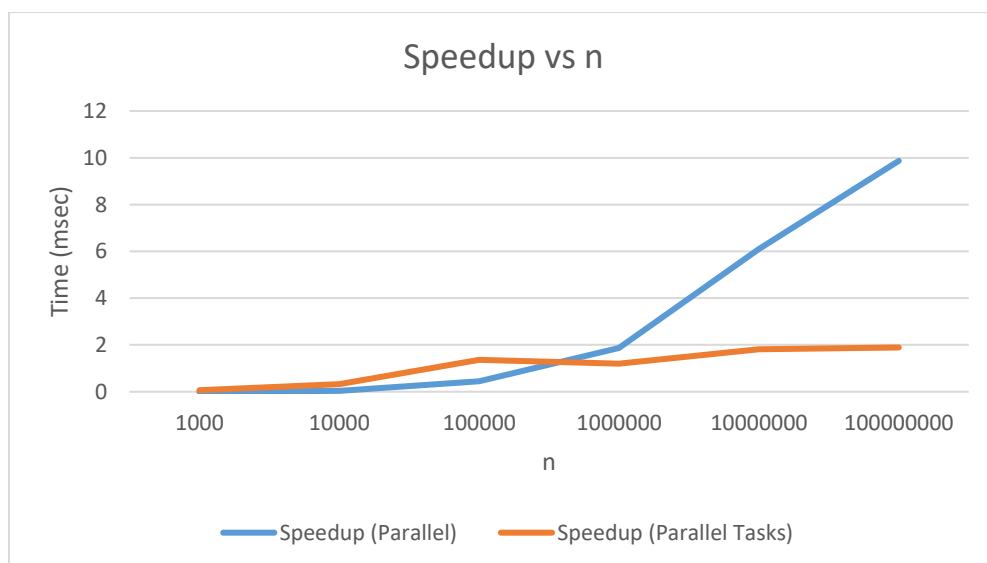
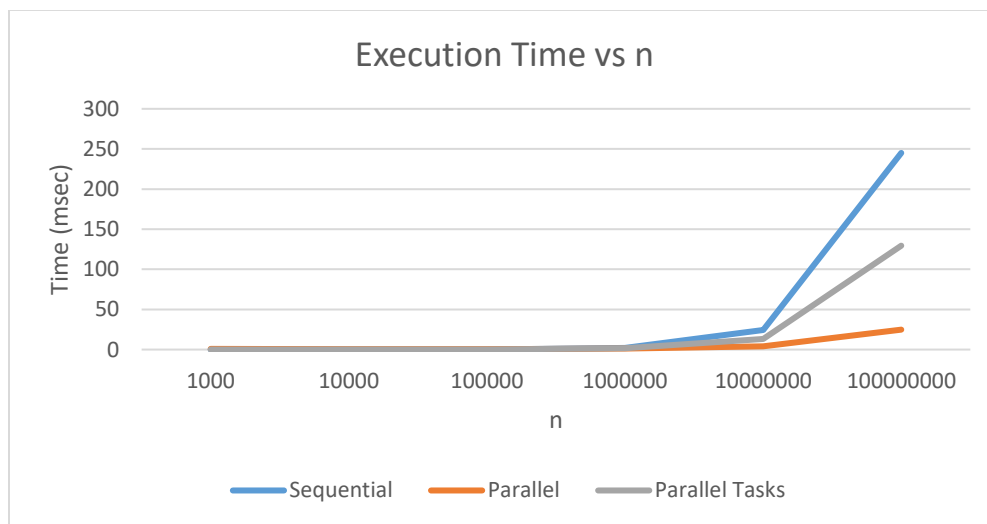


Assignment 4

Haniye Kashgarani

n	Sequential	Parallel	Parallel Tasks	Speedup (Parallel)	Speedup (Parallel Tasks)
1000	0.00218	0.96419	0.032885	0.002260965	0.066291622
10000	0.0214	0.551805	0.065375	0.038781816	0.327342256
100000	0.216915	0.478515	0.15898	0.453308674	1.364416908
1000000	2.20633	1.18075	1.84565	1.868583527	1.195421667
10000000	24.2523	3.97985	13.3907	6.093772378	1.811130113
100000000	245.032	24.8272	129.475	9.86949797	1.892504344



Implementation of parallel tasks have lower performance. Task is mainly for recursive and big algorithms, and in Task parallelism the machine is just more busy spawning threads than doing calculation so that's why it's slower than sequential.