

Part 3

Table1: Varying threads, fixed pushes

N of Threads	Iterations	Serial Time	Parallel Time	SpeedUP
5	100	59	769	0.077
10	100	59	924	0.064
20	100	59	1872	0.032
40	100	59	2617	0.023
50	100	59	3186	0.019
100	100	59	8436	0.007

Table2: Fixed threads varying pushes

N of Threads	Iterations	Serial Time	Parallel Time	SpeedUP
25	10	3	2736	0.001
25	25	8	2524	0.003
25	50	33	2263	0.015
25	100	57	1995	0.029
25	150	88	1533	0.057
25	200	114	1422	0.080

Table3: Varying number of threads and varying pushes

N of Threads	Iterations	Serial Time	Parallel Time	SpeedUP
10	20	7	854	0.008
20	40	12	1322	0.009
30	60	35	1991	0.018
40	100	57	2483	0.023
50	150	88	2995	0.029
100	200	114	8828	0.013