Serial

Problem size	Threads	Setup time	Problem time	Total time	Speedup	Efficiency
100	1	123.647	3633.67	3757.317	1	1
200	1	92.2491	6269.57	6361.8191	1	1
400	1	81.6402	11513.3	11594.9402	1	1

Parallel, size 100

Threads	Setup time	Problem time	Total time	Speedup	Efficiency	Theoretical Speedup
1	123.647	3633.67	3757.317	1	1	1
2	66.5633	2534.85	2601.4133	1.44433681491518	0.722168407457592	1.9501020361273
4	66.369	1670.79	1737.159	2.162909094677	0.54072727366925	3.58867841505248
8	66.73	993.612	1060.342	3.54349540054058	0.442936925067573	5.55352050342662
16	101.764	440.955	542.719	6.92313517676735	0.43269594854796	4.19659391478456
32	67.0132	299.234	366.2472	10.2589644371343	0.320592638660446	4.7960549609184

Parallel, size 200

Threads	Setup time	Problem time	Total time	Speedup	Efficiency	Theoretical Speedup
1	92.2491	6269.57	6361.8191	1	1	1
2	71.6799	4184.69	4256.3699	1.49465841772821	0.747329208864107	1.96687658261233
4	91.6767	2016.42	2108.0967	3.01780231428663	0.754450578571657	3.5383710174381
8	63.0766	1637.15	1700.2266	3.74174777644345	0.467718472055431	6.35075592871442
16	63.8478	800.828	864.6758	7.35746172149145	0.459841357593216	7.59156467255577
32	63.542	587.658	651.2	9.76937822481572	0.305293069525491	7.95054715715592

Parallel, size 400

| Threads	Setup time	Problem time	Total time	Speedup	Efficiency	Theoretical Speedup
1	81.6402	11513.3	11594.9402	1	1	1
2	83.6038	6972.16	7055.7638	1.64332884839484	0.82166442419742	1.9765794942398
4	72.7198	4111.78	4184.4998	2.77092621679657	0.692731554199142	3.8017930617932
8	72.266	2524.95	2597.216	4.46437269753459	0.558046587191824	6.69584457754526
16	67.0908	1686.72	1753.8108	6.61128338358961	0.413205211474351	10.166382626479
32	74.7947	1108.27	1183.0647	9.80076592598866	0.306273935187146	10.811339085434

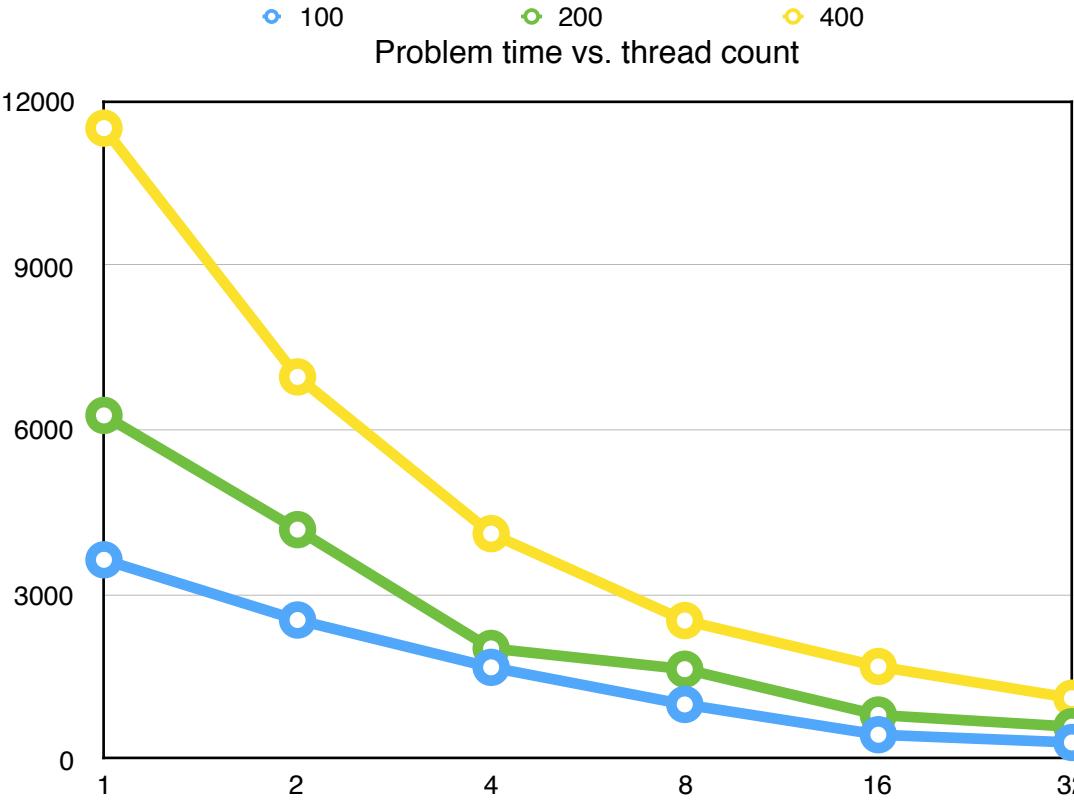
Speedup vs. thread count
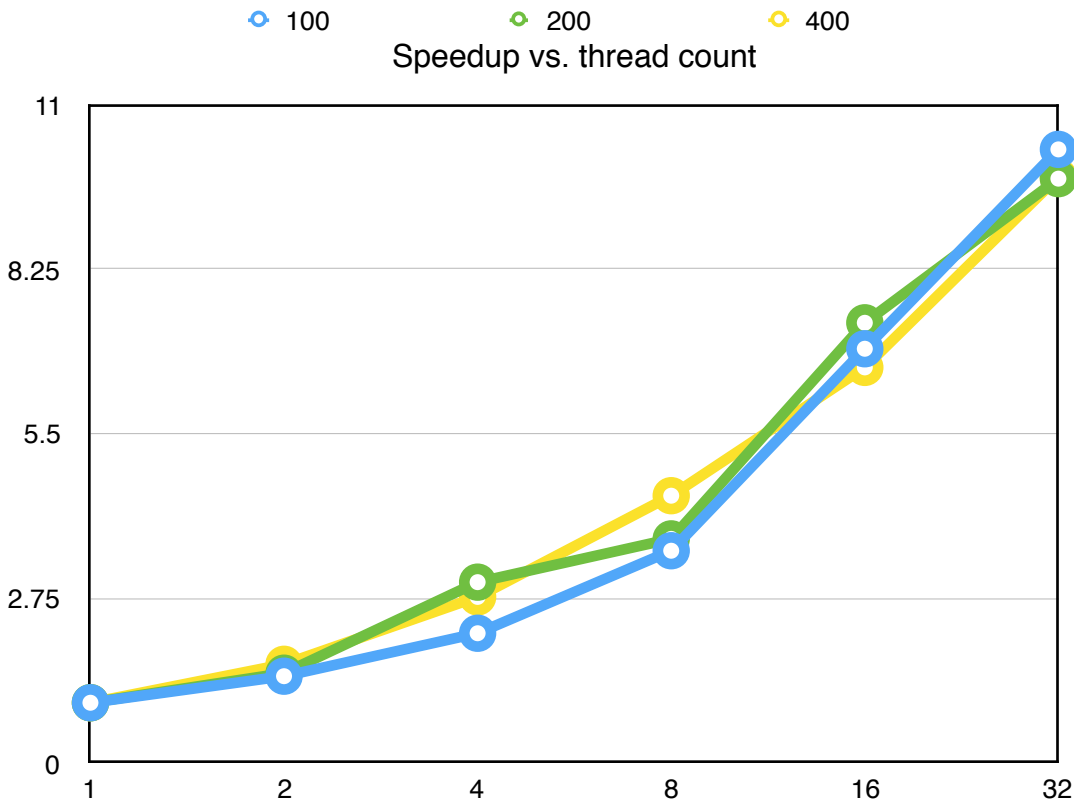
Efficiency vs. thread count
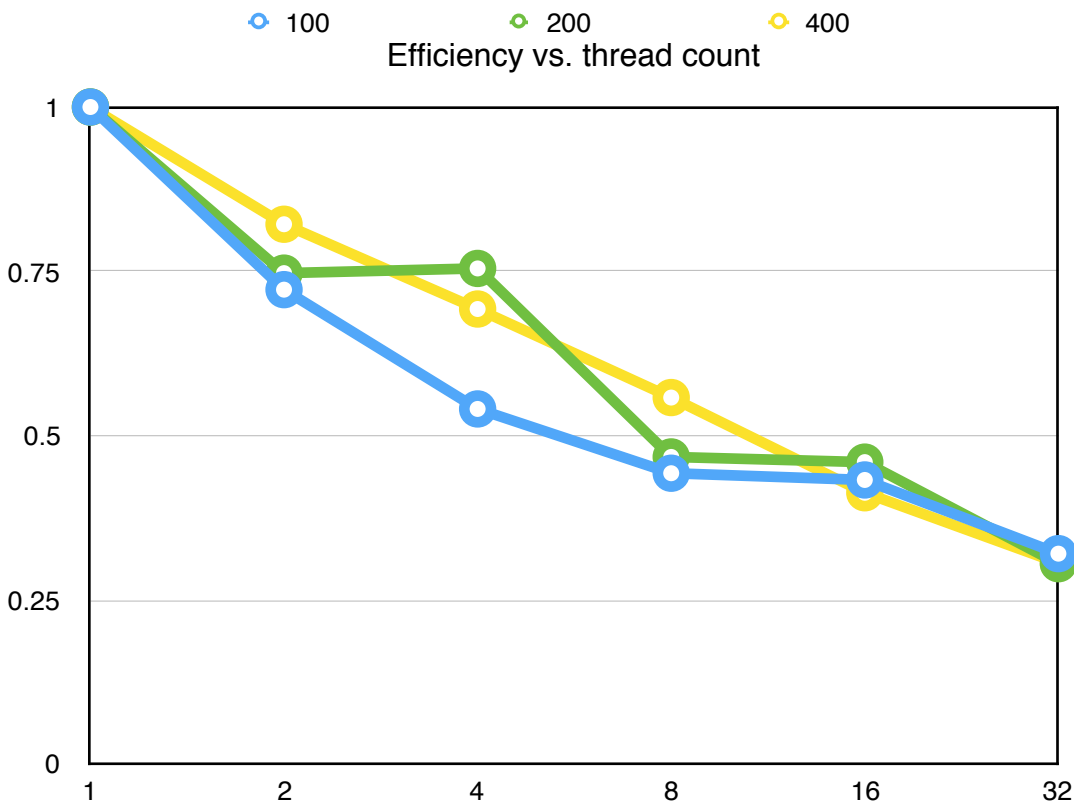
Total time vs. thread count
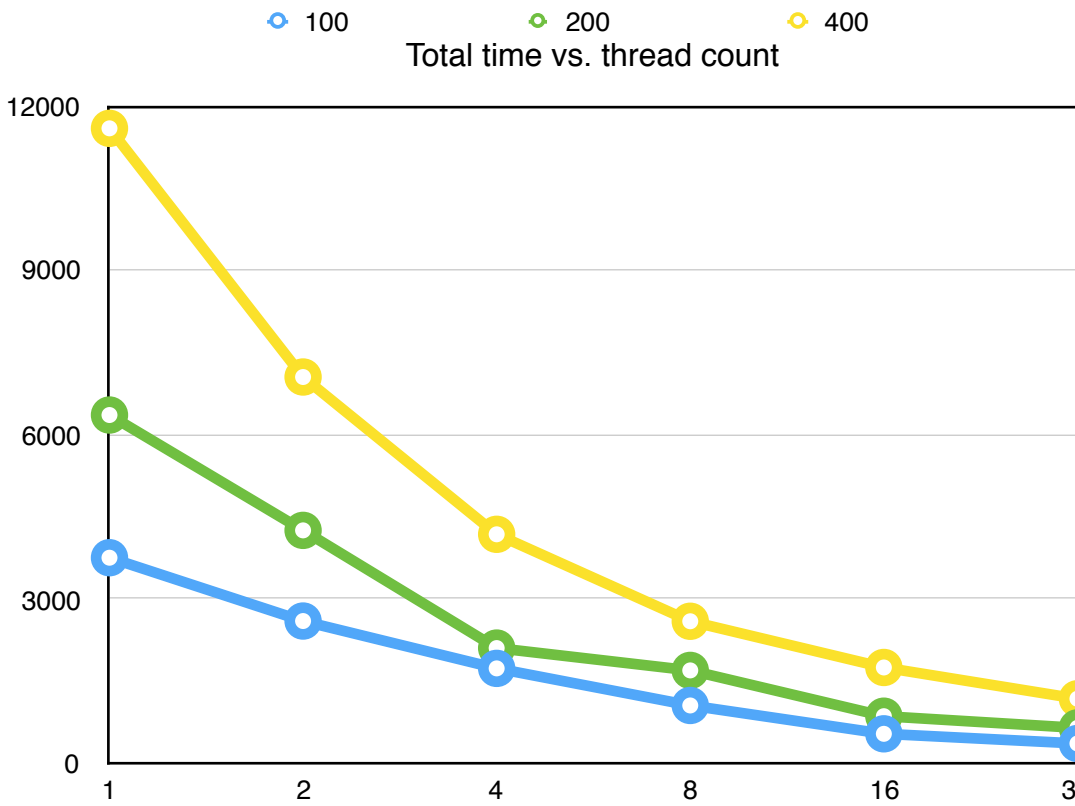
Problem time vs. thread count

Setup time vs. thread count

1