Brea

MUTUAL EXCLUSION								REDUCTION						
1 thread				**2 threads**				**1 thread**				**2 threads**		
intervals	precision	time		intervals	precision	time		intervals	precision	time		intervals	precision	time
1	1	0.0001		1	1	0.000129		1	1	0.000098		1	1	0.000161
10	3	0.000101		10	3	0.000112		10	3	0.000106		10	3	0.000189
100	4	0.000114		100	4	0.000108		100	4	0.000113		100	4	0.000208
1000	7	0.000297		1000	7	0.000127		1000	7	0.000102		1000	7	0.000181
10000	9	0.000652		10000	9	0.000133		10000	9	0.000194		10000	9	0.000225
100000	11	0.001823		100000	11	0.000732		100000	11	0.000859		100000	11	0.000529
1000000	13	0.01018		1000000	13	0.008151		1000000	13	0.00764		1000000	13	0.003896
10000000	15	0.064981		10000000	15	0.036193		10000000	15	0.069825		10000000	15	0.035857
100000000	16	0.631778		100000000	16	0.317518		100000000	16	0.680619		100000000	16	0.344832
1000000000	16	6.274904		1000000000	16	3.173751		1000000000	16	6.793273		1000000000	16	3.433784
10000000000	15	70.14393		10000000000	15	35.32278		10000000000	15	70.402665		10000000000	15	35.3125716
4 threads				**6 threads**				**4 threads**				**6 threads**		
intervals	precision	time		intervals	precision	time		intervals	precision	time		intervals	precision	time
1	1	0.000108		1	1	0.000515		1	1	0.000298		1	1	0.000411
10	3	0.000149		10	3	0.000203		10	3	0.000251		10	3	0.000407
100	4	0.000121		100	4	0.000205		100	4	0.000276		100	4	0.000466
1000	7	0.000123		1000	7	0.000183		1000	7	0.000277		1000	7	0.000494
10000	9	0.000147		10000	9	0.000249		10000	9	0.000323		10000	9	0.000483
100000	11	0.000288		100000	11	0.00059		100000	11	0.000558		100000	11	0.000514
1000000	13	0.004151		1000000	13	0.002024		1000000	13	0.001849		1000000	13	0.001501
10000000	15	0.016483		10000000	15	0.017148		10000000	15	0.015485		10000000	15	0.010317
100000000	16	0.163368		100000000	16	0.116137		100000000	16	0.147052		100000000	16	0.103354
1000000000	16	1.633001		1000000000	16	1.111855		1000000000	16	1.46991		1000000000	16	0.99577
10000000000	15	18.51338		10000000000	15	19.55013		10000000000	15	18.494925		10000000000	15	19.281536
8 threads				**10 threads**				**8 threads**				**10 threads**		
intervals	precision	time		intervals	precision	time		intervals	precision	time		intervals	precision	time
1	1	0.000167		1	1	0.000217		1	1	0.000457		1	1	0.000492
10	3	0.000162		10	3	0.000629		10	3	0.000282		10	3	0.000498
100	4	0.00018		100	4	0.00063		100	4	0.00041		100	4	0.000465

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1000	7	0.00017	1000	7	0.000165	1000	7	0.00031	1000	7	0.00052
10000	9	0.00023	10000	9	0.000306	10000	9	0.00035	10000	9	0.000489
100000	11	0.000405	100000	11	0.000408	100000	11	0.000634	100000	11	0.000519
1000000	13	0.00227	1000000	13	0.001449	1000000	13	0.002323	1000000	13	0.001695
10000000	15	0.019789	10000000	15	0.011385	10000000	15	0.019887	10000000	15	0.012374
100000000	16	0.186936	100000000	16	0.111091	100000000	16	0.187829	100000000	16	0.103856
1000000000	16	1.848407	1000000000	16	1.106074	1000000000	16	1.870504	1000000000	16	1.029294
10000000000	15	18.58606	10000000000	15	18.53693	10000000000	15	18.490114	10000000000	15	18.558043