

Daniel Peterson

**Personal Laptop**

Input size	1048576	16777216	67108864	134217728
Block Dimensions	1 X 1024	1 X 1024	1 X 1024	1 X 1024
T1:time cost for reduce2 (ms)	0.000428	0.002703	0.010222	0.019383
T2:time cost for reduce3 (ms)	0.000375	0.001061	0.003399	0.006100
Speedup = $T1 / T2$	1.1413	2.5476	3.0074	3.1775

**Lab Computer**

Input size	1048576	16777216	67108864	134217728
Block Dimensions	1 X 1024	1 X 1024	1 X 1024	1 X 1024
T1:time cost for reduce2 (ms)	0.000825	0.013158	.052602	0.102733
T2:time cost for reduce3 (ms)	0.000418	0.005978	0.024444	0.047377
Speedup = $T1 / T2$	1.9737	2.2011	2.1519	2.1684