Execution time vs Array Length Plot

Array Length	Execution Time (ms) [512 threads per block]	Execution Time (ms) [1024 threads per block]
32	22.0184	12.4941
64	1.46445	13.1226
128	18.4474	26.9673
256	10.889	4.03763
512	3.49181	21.9945
1024	11.3171	32.036
2048	132.413	98.0869
4096	1355.42	1397.57
8192	11728.7	11910.8
16384	95529.6	96671.6
32768	787494	794095