

<b>Algorithm Name:</b> Selection Sort <b>Type of list (sorted or unsorted):</b> Sorted		
List Size	Comparisons	Time (seconds)
1,000	499500	0.044880629
2,000	1999000	0.261283398
4,000	7998000	1.317755699
8,000	31996000	4.2546556
16,000	127992000	21.27978373
32,000	511984000	121.7652142
100,000	4999950000	631.2235355
500,000	1.25E+11	16536.82662

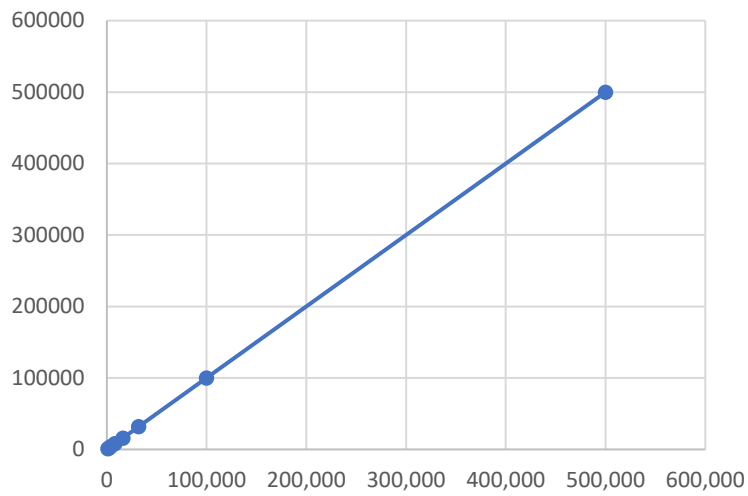
<b>Algorithm Name:</b> Insertion Sort <b>Type of list (sorted or unsorted):</b> Sorted		
List Size	Comparisons	Time (seconds)
1,000	1000	0
2,000	2000	0.000998259
4,000	4000	0
8,000	8000	0.001994848
16,000	16000	0.002992153
32,000	32000	0.008135319
100,000	100000	
500,000	500000	
<b>Algorithm Name:</b> Heap Sort <b>Type of list (sorted or unsorted):</b> Sorted		

List Size	Comparisons	Time (seconds)
1,000	9487	0.010970116
2,000	18987	0.044883966
4,000	37987	0.049902916
8,000	75990	0.118682384
16,000	151987	0.252325535
32,000	303987	0.51361537
100,000	949987	1.66358279
500,000	4,749,987	8.533004693
<b>Algorithm Name:</b> Quick Sort <b>Type of list (sorted or unsorted):</b> Sorted		
List Size	Comparisons	Time (seconds)
1,000	1500	0.001995325
2,000	3000	0.00398922
4,000	6000	0.008959055
8,000	12000	0.017952204
16,000	24000	0.040890217
32,000	48000	0.085768938
100,000	150000	0.285238743
500,000	750000	1.740348816
<b>Algorithm Name:</b> Bubble Sort <b>Type of list (sorted or unsorted):</b> Sorted		
List Size	Comparisons	Time (seconds)
1,000	499500	0.054882765

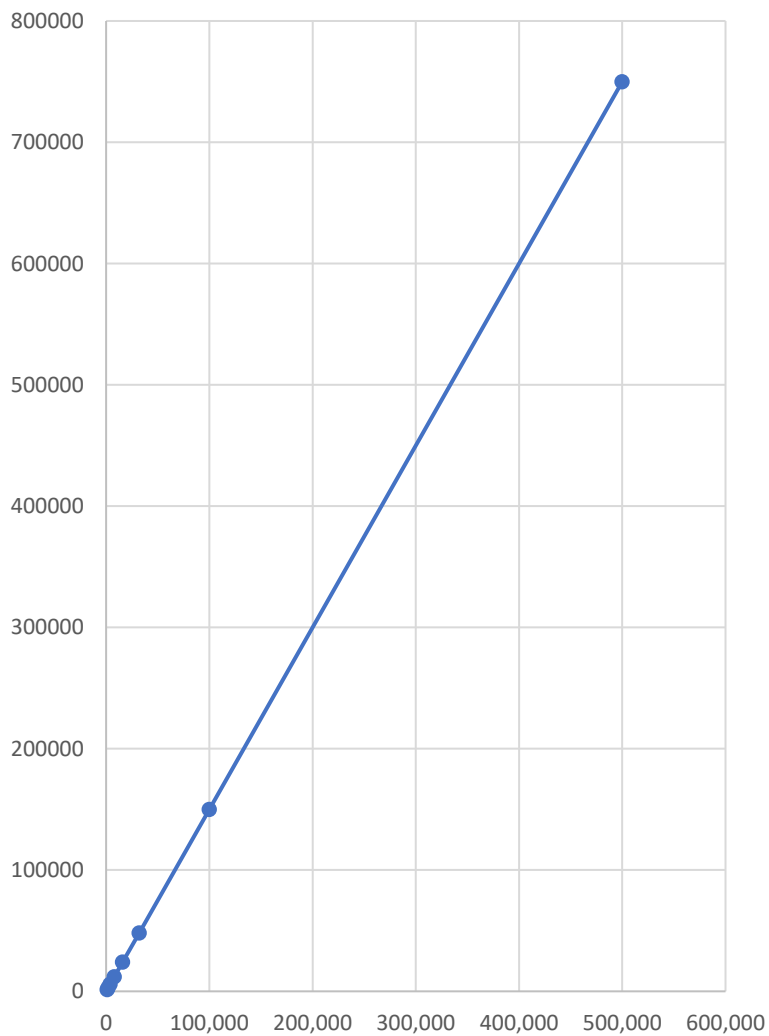
2,000	1999000	0.384944677
4,000	7998000	1.298999071
8,000	31996000	4.727323532
16,000	127992000	19.35224652
32,000	511984000	82.82352614
100,000	4999950000	264.896219
500,000	1.25E+11	6,605.99
<b>Algorithm Name:</b> Bubble Sort 2 <b>Type of list (sorted or unsorted):</b> Sorted		
List Size	Comparisons	Time (seconds)
1,000	999	0
2,000	1999	0.001991749
4,000	3999	0.001005173
8,000	7999	0.000997305
16,000	15999	0.002991676
32,000	31999	0.005835533
100,000	99999	
500,000	499999	
<b>Algorithm Name:</b> Merge Sort <b>Type of list (sorted or unsorted):</b> Sorted		
List Size	Comparisons	Time (seconds)
1,000	9976	0.003044605
2,000	21952	0.005984545
4,000	47904	0.013013601
8,000	103808	0.033909559

[illegible]

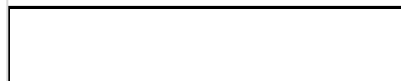
Insertion Sort Sorted



Selection Sort- Sorted

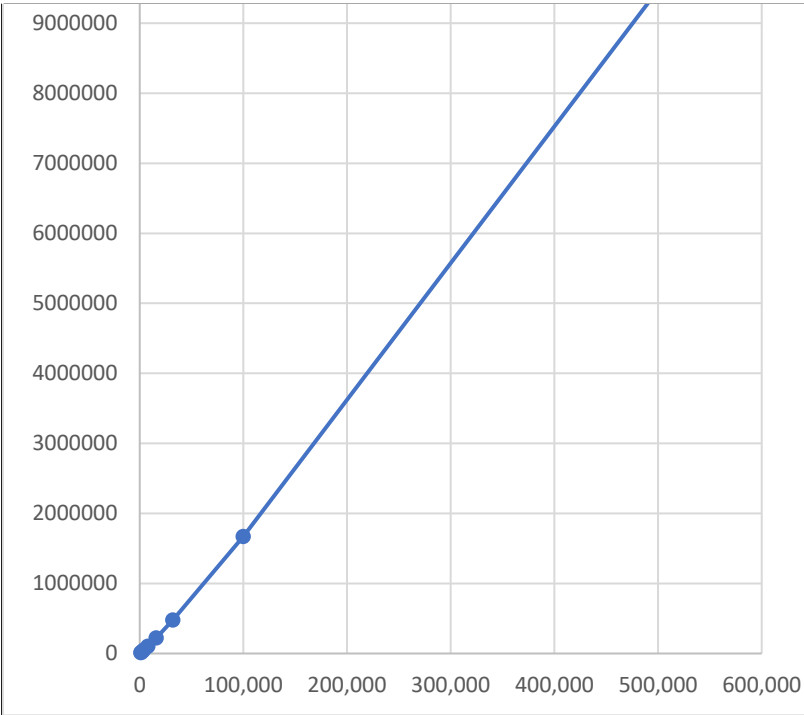


Bubble Sort 2 Sorted










Quick Sort Sorted

