Elements	Bubble Sort	Selection Sort	Insertion Sort	Merge Sort	Shell Sort	Quick Sort	Heap Sort
10000	0.143	0.040	0.059	0.005	0.046	0.013	0.002
20000	0.609	0.069	0.185	0.005	0.164	0.013	0.006
30000	1.329	0.119	0.425	0.009	0.325	0.020	0.005
40000	2.439	0.231	0.713	0.012	0.626	0.032	0.005
50000	3.857	0.363	1.046	0.015	0.864	0.014	0.008
60000	5.303	0.438	1.576	0.053	1.292	0.018	0.009
70000	7.363	0.586	2.085	0.077	1.954	0.013	0.011
80000	9.263	0.772	2.803	0.044	2.611	0.019	0.011
90000	11.714	0.988	3.580	0.016	2.989	0.027	0.011
100000	15.260	1.260	4.380	0.015	4.201	0.030	0.014
110000	18.133	1.478	5.235	0.023	5.004	0.032	0.015
120000	23.586	1.772	6.314	0.024	6.032	0.032	0.016
130000	26.489	2.170	7.377	0.024	6.800	0.022	0.018
140000	31.800	2.518	8.700	0.028	7.993	0.023	0.019
150000	35.463	2.817	9.863	0.029	9.097	0.026	0.021
160000	41.555	3.333	11.367	0.031	9.728	0.028	0.024
170000	48.886	3.901	12.389	0.025	11.065	0.029	0.024
180000	53.915	4.182	13.097	0.027	13.758	0.029	0.025
190000	59.250	4.838	15.208	0.028	14.693	0.033	0.027
200000	68.035	4.692	18.320	0.030	15.846	0.034	0.029

All Algorithms