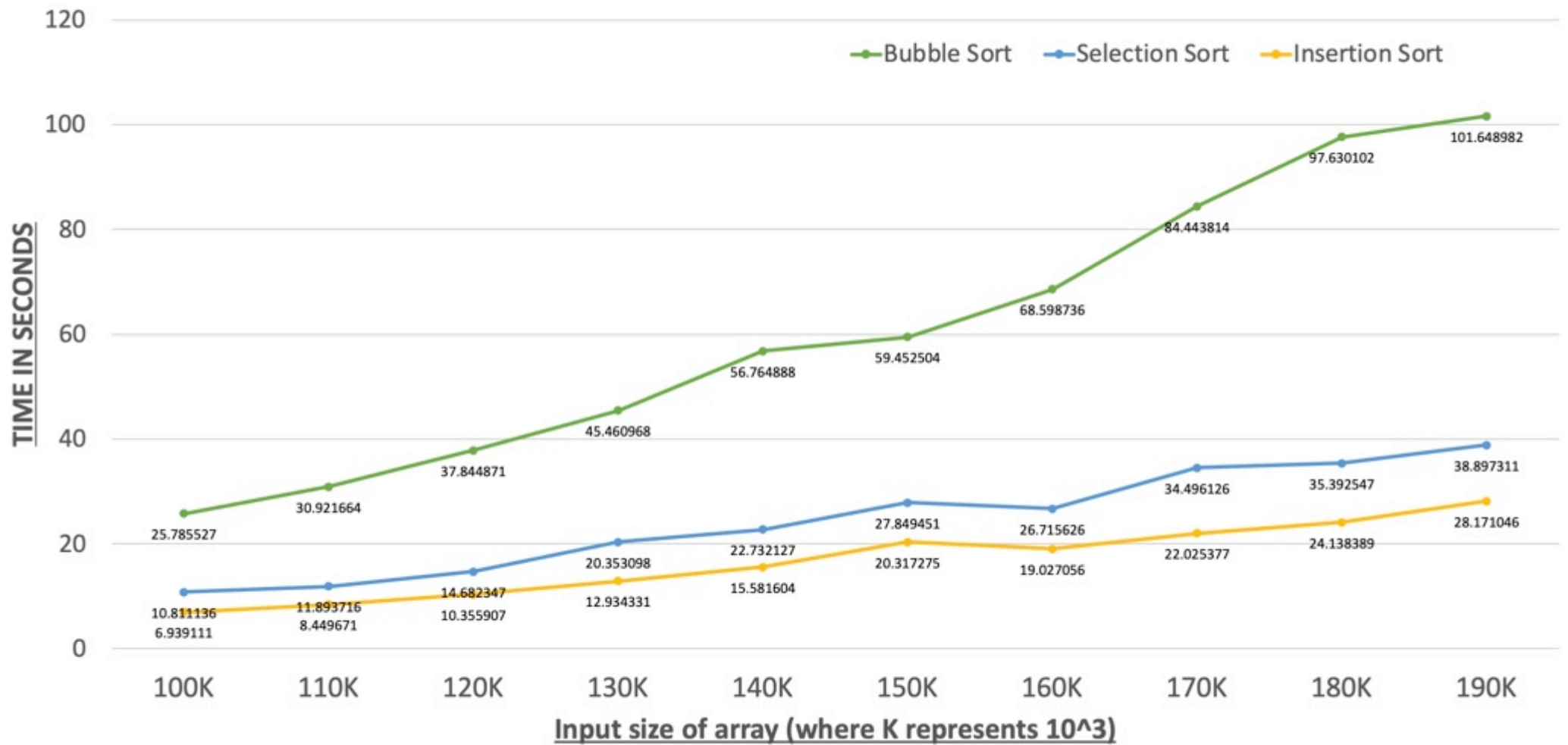




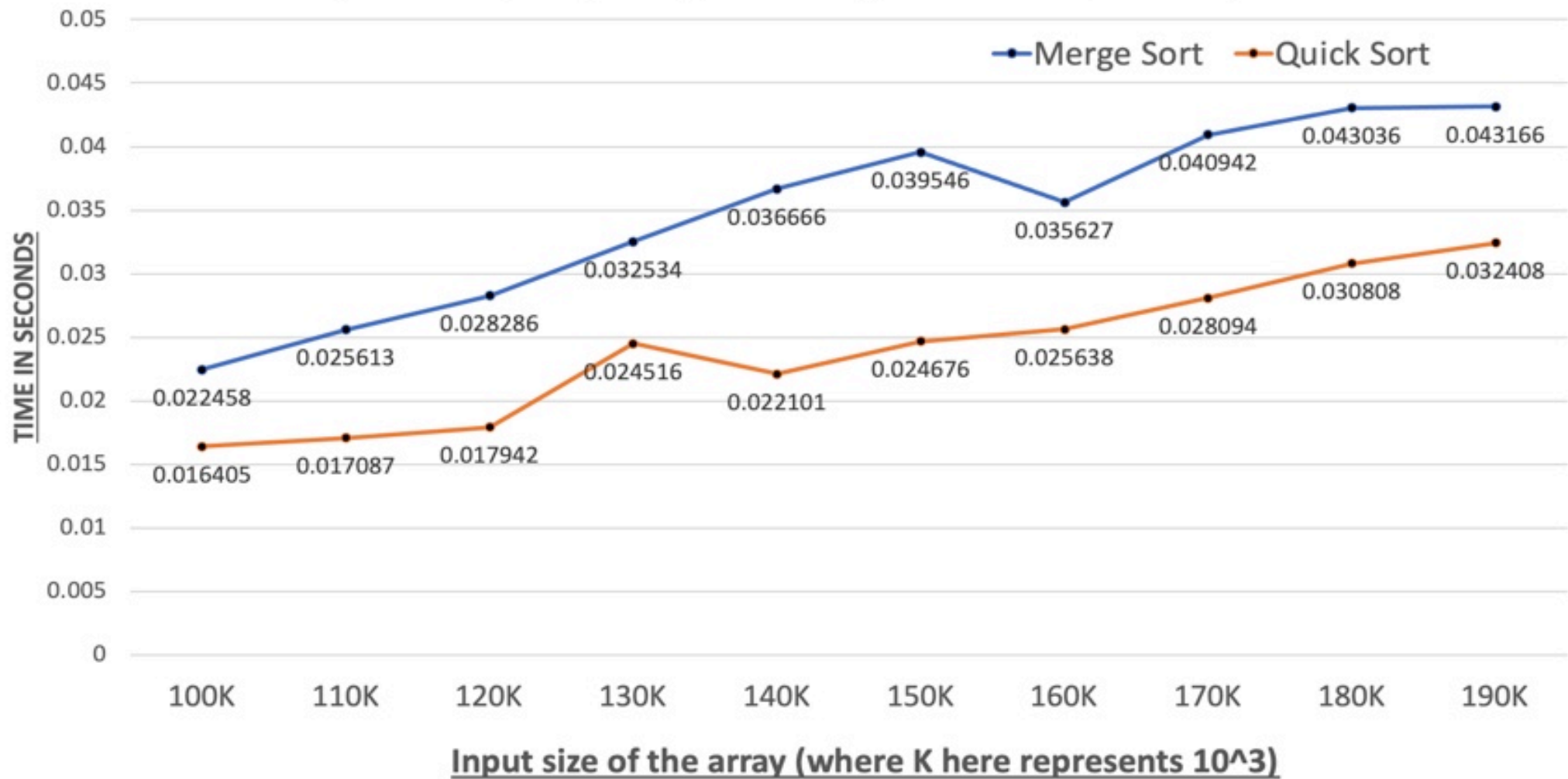
TIME COMPLEXITY ANALYSIS

SIZE	Bubble Sort	Selection Sort	Insertion Sort	Merge Sort	Quick Sort
100K	25.785527	10.811136	6.939111	0.022458	0.016405
110K	30.921664	11.893716	8.449671	0.025613	0.017087
120K	37.844871	14.682347	10.355907	0.028286	0.017942
130K	45.460968	20.353098	12.934331	0.032534	0.024516
140K	56.764888	22.732127	15.581604	0.036666	0.022101
150K	59.452504	27.849451	20.317275	0.039546	0.024676
160K	68.598736	26.715626	19.027056	0.035627	0.025638
170K	84.443814	34.496126	22.025377	0.040942	0.028094
180K	97.630102	35.392547	24.138389	0.043036	0.030808
190K	101.648982	38.897311	28.171046	0.043166	0.032408

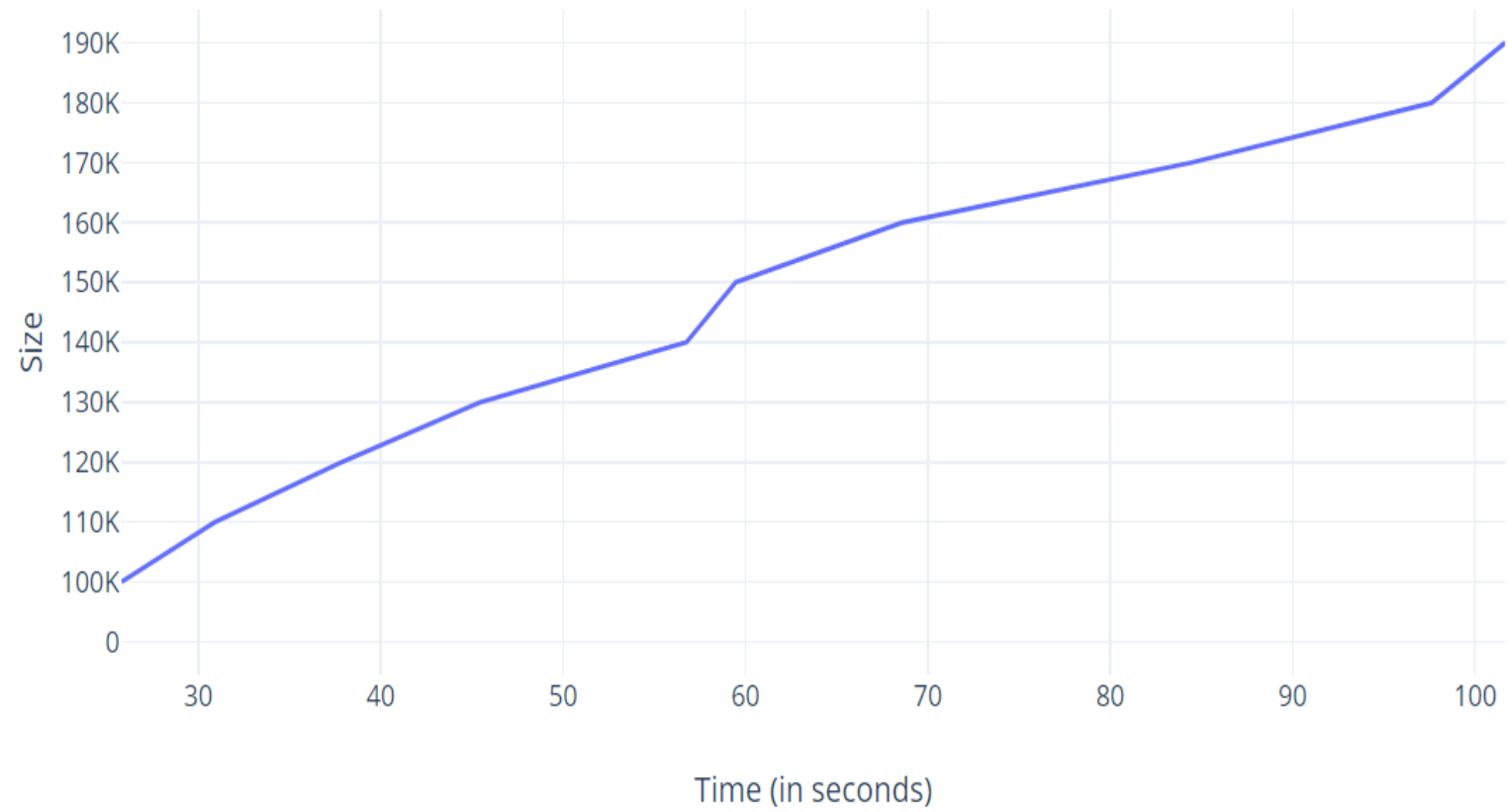
Time Complexity Analysis of Bubble Sort , Selection Sort and Insertion Sort



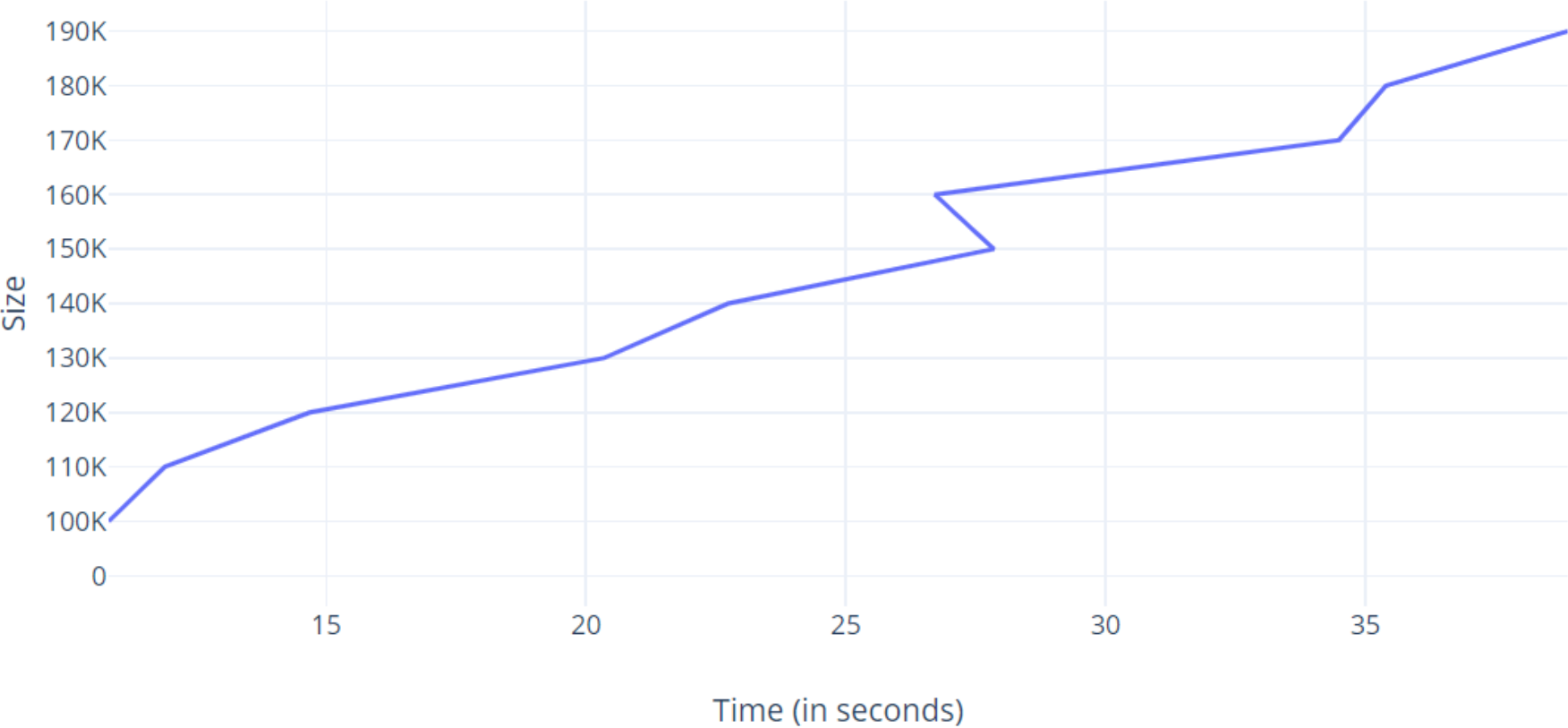
Time Complexity Analysis of Merge Sort and Quick Sort



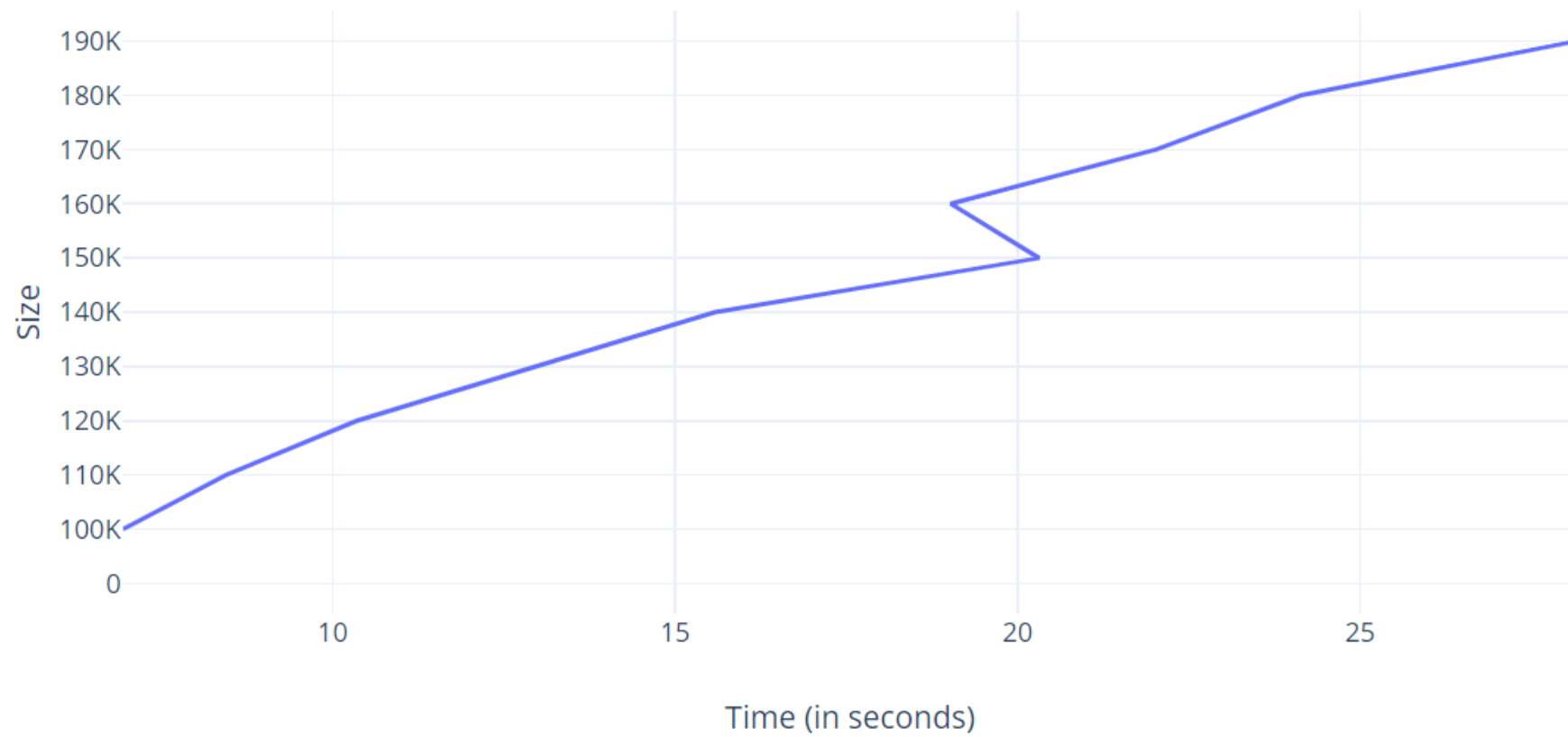
Bubble Sort



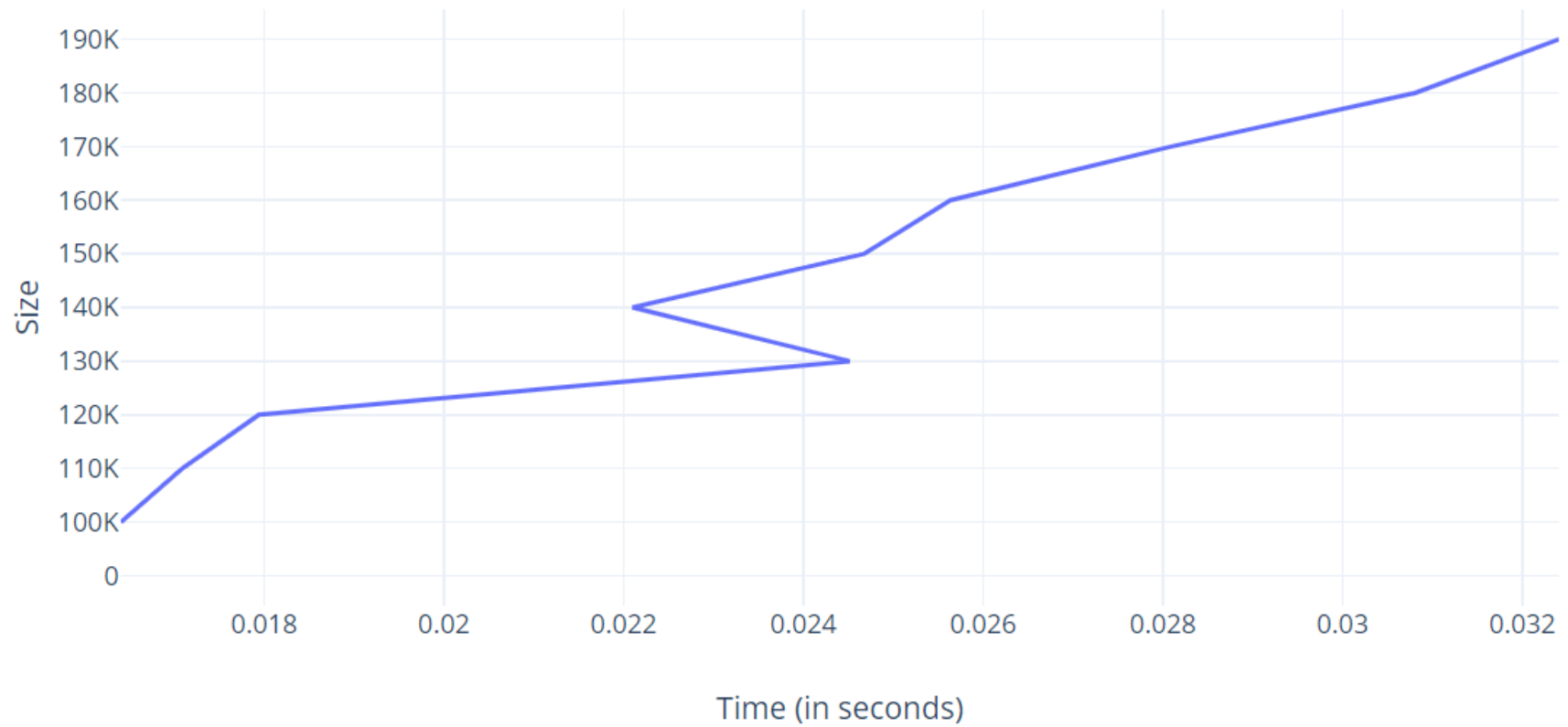
Selection Sort



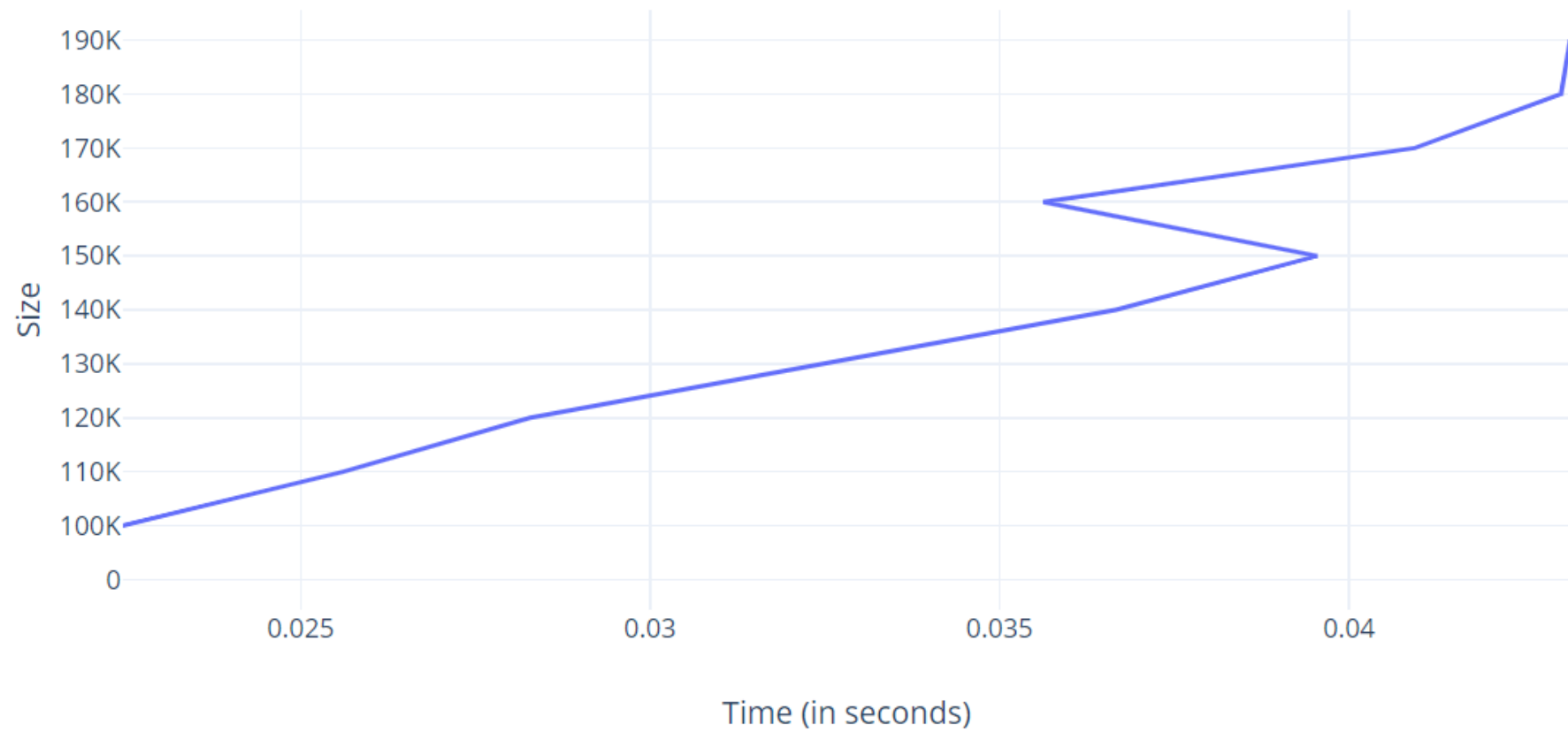
Insertion Sort

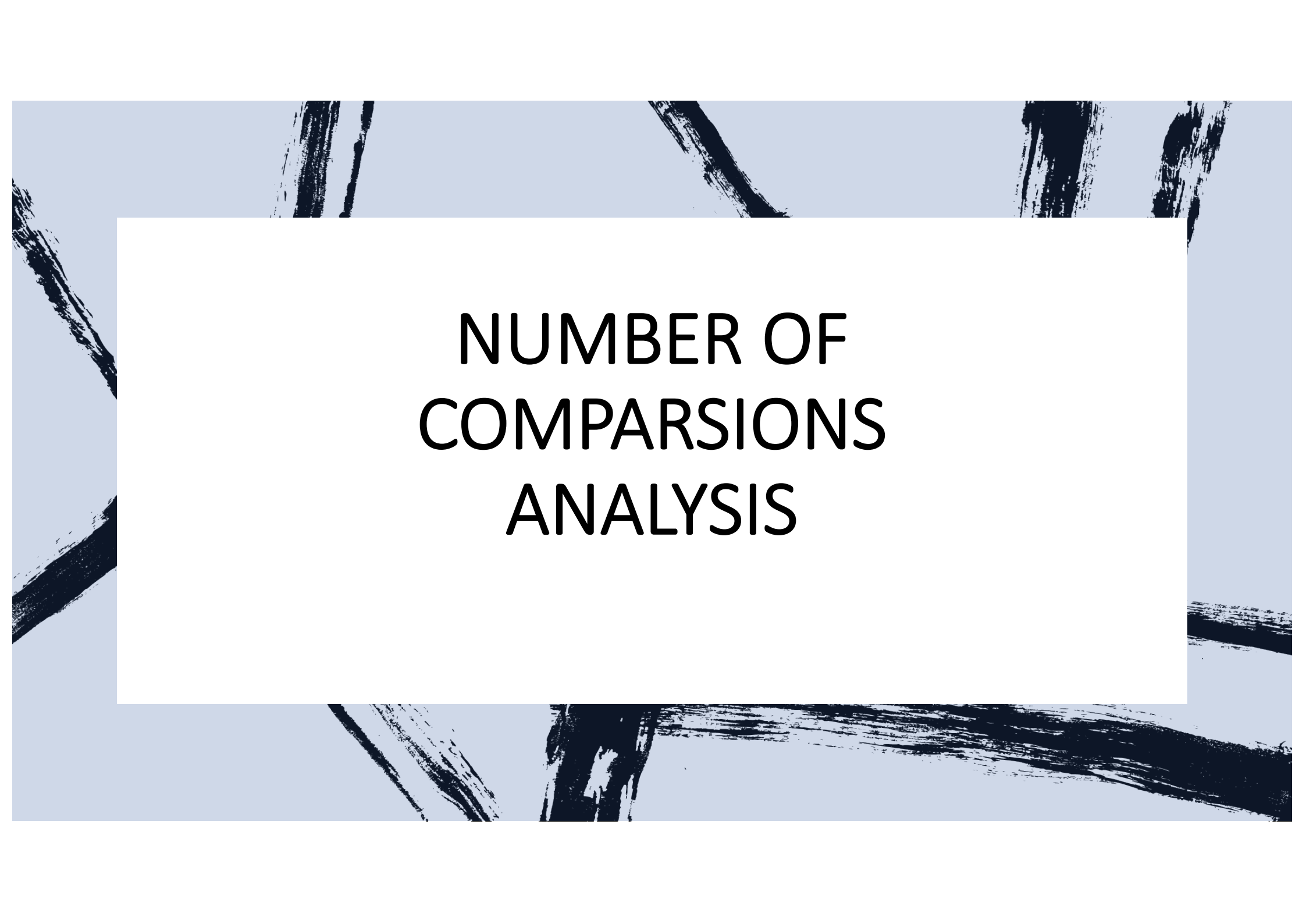


Quick Sort



Merge Sort

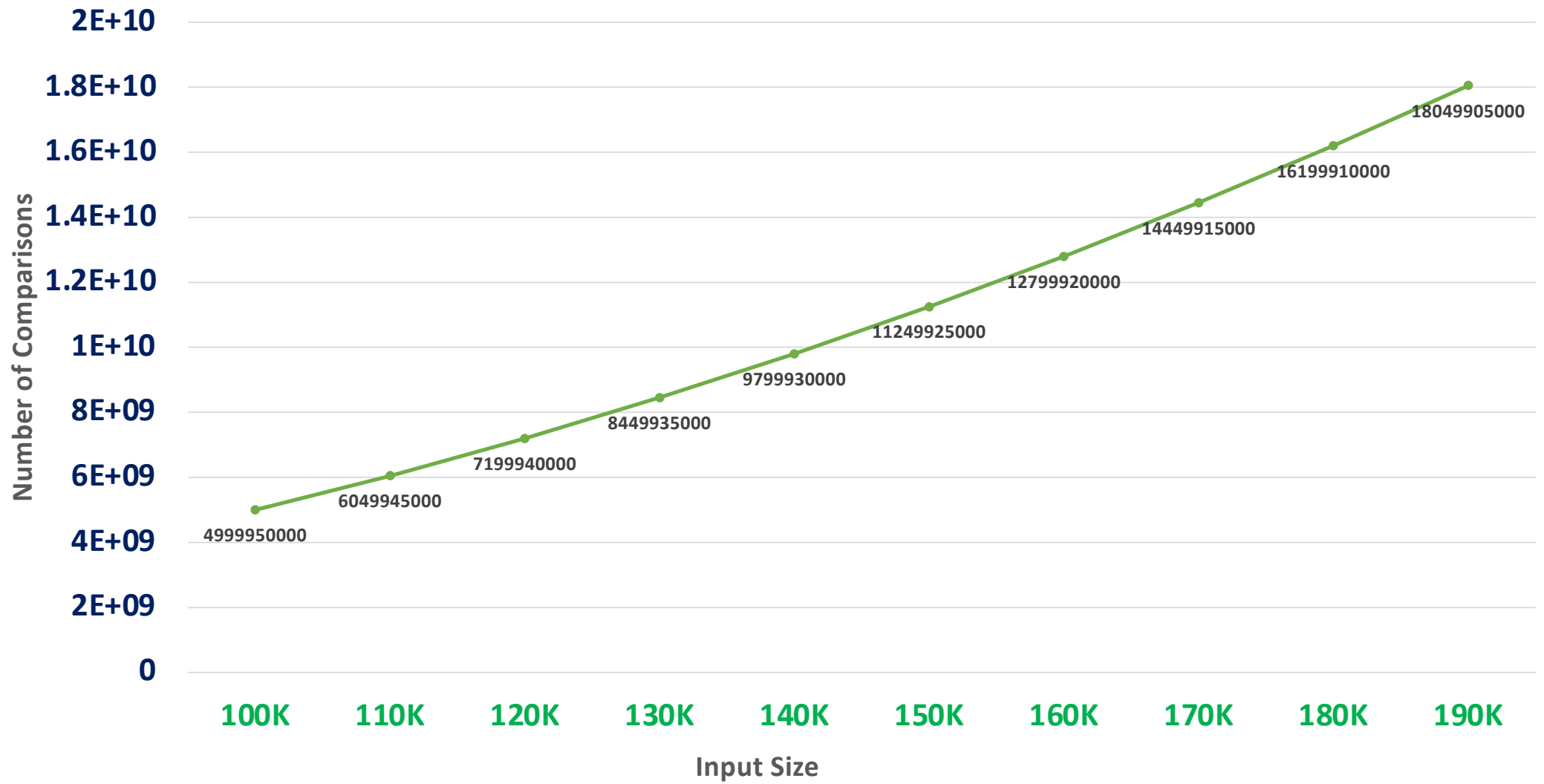




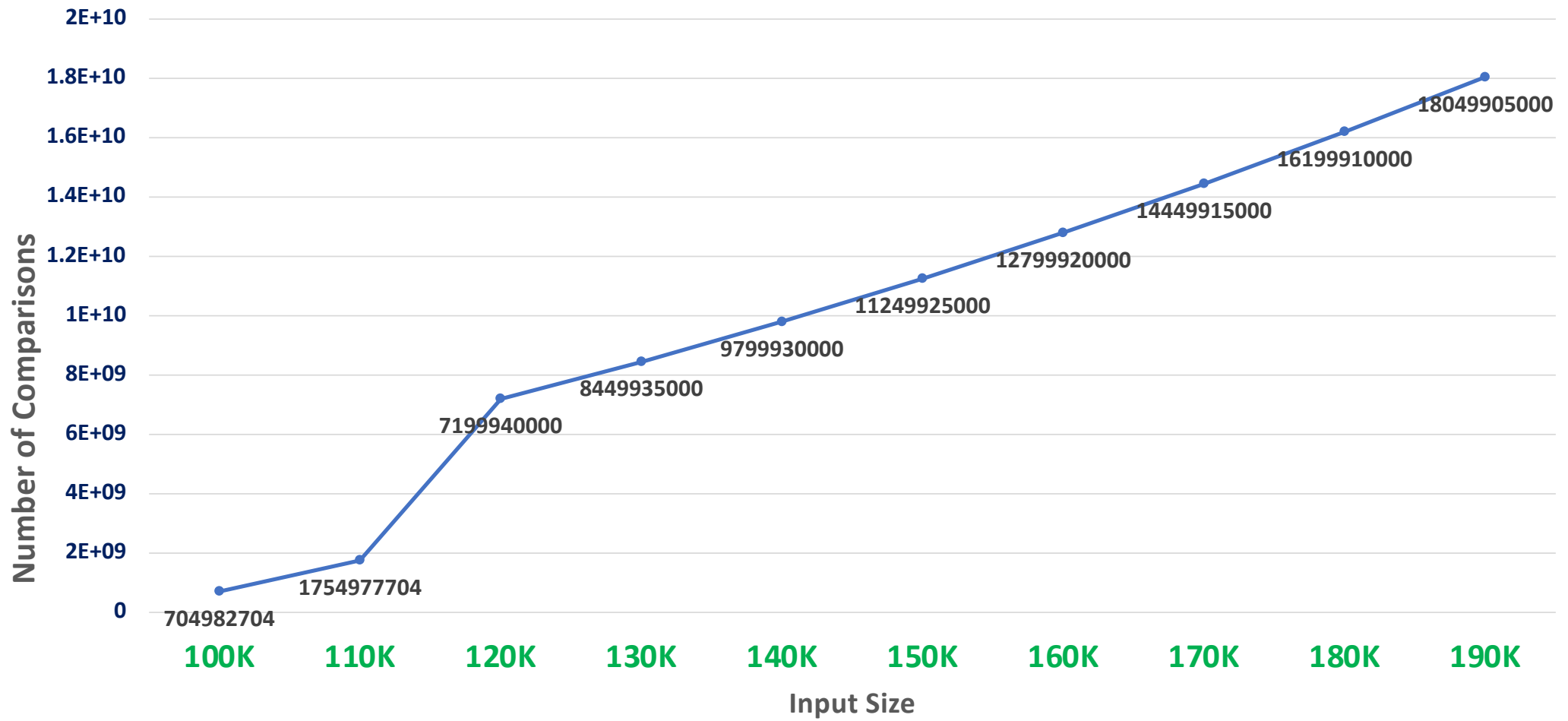
NUMBER OF COMPARSIONS ANALYSIS

Size	Bubble Sort	Selection Sort	Insertion Sort	Merge Sort	Quick Sort
100K	4999950000	704982704	99999	1536196	391372
110K	6049945000	1754977704	109999	1704915	435775
120K	7199940000	7199940000	119999	1874202	480912
130K	8449935000	8449935000	129999	2044486	524026
140K	9799930000	9799930000	139999	2217606	565997
150K	11249925000	11249925000	149999	2392319	600335
160K	12799920000	12799920000	159999	2567233	648777
170K	14449915000	14449915000	169999	2742998	694274
180K	16199910000	16199910000	179999	2918842	740824
190K	18049905000	18049905000	189999	3095327	844055

Bubble Sort



Selection Sort



Insertion Sort



Merge Sort



Quick Sort

