

Selection Sort - CPU Time - Best Case				Selection Sort - Comparisons - Best Case				Selection Sort - Swaps - Best Case			
	1000	10000	100000		1000	10000	100000		1000	10000	100000
1	0.00619213	0.530476	28.0126	1	500498	9491498	99506317	1	999	9999	99999
2	0.00516875	0.452476	27.5186	2	500498	9491498	99506317	2	999	9999	99999
3	0.00578273	0.388114	27.5964	3	500498	9491498	99506317	3	999	9999	99999
4	0.00612434	0.346445	27.598	4	500498	9491498	99506317	4	999	9999	99999
5	0.00620148	0.321633	27.5317	5	500498	9491498	99506317	5	999	9999	99999
6	0.00615957	0.311249	27.5284	6	500498	9491498	99506317	6	999	9999	99999
7	0.00613529	0.31529	27.4869	7	500498	9491498	99506317	7	999	9999	99999
8	0.00619372	0.30831	27.44	8	500498	9491498	99506317	8	999	9999	99999
9	0.00610859	0.308185	27.6093	9	500498	9491498	99506317	9	999	9999	99999
10	0.00594226	0.306804	27.5772	10	500498	9491498	99506317	10	999	9999	99999
	0.006000886	0.3588982	27.58991		500498	9491498	99506317		999	9999	99999
Selection Sort - CPU Time - Worst Case				Selection Sort - Comparisons - Worst Case				Selection Sort - Swaps - Worst Case			
	1000	10000	100000		1000	10000	100000		1000	10000	100000
1	0.00271097	0.36074	26.4217	1	5471	80128	1246540	1	999	9999	99999
2	0.00308232	0.327075	27.5849	2	5471	80128	1246540	2	999	9999	99999
3	0.0111543	0.299947	27.9193	3	5471	80128	1246540	3	999	9999	99999
4	0.00657409	0.290396	27.4546	4	5471	80128	1246540	4	999	9999	99999
5	0.00557172	0.285295	27.4042	5	5471	80128	1246540	5	999	9999	99999
6	0.00409332	0.284417	27.4013	6	5471	80128	1246540	6	999	9999	99999
7	0.00436131	0.288981	27.3663	7	5471	80128	1246540	7	999	9999	99999
8	0.00404208	0.284865	27.1122	8	5471	80128	1246540	8	999	9999	99999
9	0.0044665	0.315286	27.4417	9	5471	80128	1246540	9	999	9999	99999
10	0.00389677	0.295224	27.1997	10	5471	80128	1246540	10	999	9999	99999
	0.004995338	0.3032226	27.33059		5471	80128	1246540		999	9999	99999
Insertion Sort - CPU Time - Best Case				Insertion Sort - Comparisons - Best Case				Insertion Sort - Swaps - Best Case			
	1000	10000	100000		1000	10000	100000		1000	10000	100000
1	6.27E-06	3.93E-06	0.471619	1	0	0	114481391	1	0	0	114481391
2	6.73E-06	3.93E-06	0.497013	2	0	0	114481391	2	0	0	114481391
3	4.59E-06	7.00E-06	0.478222	3	0	0	114481391	3	0	0	114481391
4	3.92E-06	6.43E-06	0.48361	4	0	0	114481391	4	0	0	114481391
5	6.14E-06	7.00E-06	0.443788	5	0	0	114481391	5	0	0	114481391
6	5.09E-06	5.67E-06	0.444638	6	0	0	114481391	6	0	0	114481391
7	4.08E-06	4.21E-06	0.431971	7	0	0	114481391	7	0	0	114481391
8	3.90E-06	4.20E-06	0.429092	8	0	0	114481391	8	0	0	114481391
9	3.94E-06	4.22E-06	0.428018	9	0	0	114481391	9	0	0	114481391
10	3.91E-06	4.19E-06	0.428914	10	0	0	114481391	10	0	0	114481391
	4.85E-06	5.08E-06	0.4536885		0	0	114481391		0	0	114481391
Insertion Sort - CPU Time - Worst Case				Insertion Sort - Comparisons - Worst Case				Insertion Sort - Swaps - Worst Case			
	1000	10000	100000		1000	10000	100000		1000	10000	100000
1	0.0016711	0.00162844	8.57053	1	254184	250389	2500376192	1	254184	250389	2500376192
2	0.00179569	0.00174896	8.12656	2	254184	250389	2500376192	2	254184	250389	2500376192
3	0.00155139	0.00162042	8.17666	3	254184	250389	2500376192	3	254184	250389	2500376192
4	0.00180748	0.00142594	8.26316	4	254184	250389	2500376192	4	254184	250389	2500376192
5	0.0015397	0.00142032	8.3937	5	254184	250389	2500376192	5	254184	250389	2500376192
6	0.00171131	0.00120532	8.80107	6	254184	250389	2500376192	6	254184	250389	2500376192
7	0.00161697	0.00132664	8.3791	7	254184	250389	2500376192	7	254184	250389	2500376192
8	0.00173325	0.00128568	8.34884	8	254184	250389	2500376192	8	254184	250389	2500376192
9	0.0017604	0.0017099	8.27047	9	254184	250389	2500376192	9	254184	250389	2500376192
10	0.00162536	0.00173877	8.25807	10	254184	250389	2500376192	10	254184	250389	2500376192
	0.001681265	0.001511039	8.358816		254184	250389	2500376192		254184	250389	2500376192
Merge Sort - CPU Time - Best Case				Merge Sort - Comparisons - Best Case				Merge Sort - Swaps - Best Case			
	1000	10000	100000		1000	10000	100000		1000	10000	100000
1	0.000128465	0.00173028	0.0229125	1	5044	75410	952186	1	5044	75410	952186
2	0.0001381	0.00153303	0.0203616	2	5044	75410	952186	2	5044	75410	952186
3	0.00014705	0.00148622	0.0199591	3	5044	75410	952186	3	5044	75410	952186
4	0.000140518	0.00181811	0.0208887	4	5044	75410	952186	4	5044	75410	952186
5	0.00013544	0.00134752	0.0225601	5	5044	75410	952186	5	5044	75410	952186
6	0.000114025	0.00134413	0.0216398	6	5044	75410	952186	6	5044	75410	952186
7	0.000129521	0.00125464	0.0204682	7	5044	75410	952186	7	5044	75410	952186
8	0.000137512	0.00145071	0.0206439	8	5044	75410	952186	8	5044	75410	952186
9	0.000124291	0.00144643	0.0214788	9	5044	75410	952186	9	5044	75410	952186
10	0.000130839	0.0017568	0.0230177	10	5044	75410	952186	10	5044	75410	952186
	0.0001325761	0.001516787	0.02139304		5044	75410	952186		5044	75410	952186
Merge Sort - CPU Time - Worst Case				Merge Sort - Comparisons - Worst Case				Merge Sort - Swaps - Worst Case			
	1000	10000	100000		1000	10000	100000		1000	10000	100000
1	0.000206295	0.00265711	0.0308977	1	8735	120544	1536173	1	8735	120544	1536173
2	0.000200813	0.00258517	0.0328241	2	8735	120544	1536173	2	8735	120544	1536173
3	0.00019043	0.0025489	0.0313116	3	8735	120544	1536173	3	8735	120544	1536173
4	0.00179462	0.00259567	0.0331285	4	8735	120544	1536173	4	8735	120544	1536173
5	0.000186196	0.00263483	0.0338902	5	8735	120544	1536173	5	8735	120544	1536173
6	0.000181031	0.00275586	0.0326202	6	8735	120544	1536173	6	8735	120544	1536173
7	0.000178658	0.00241938	0.0366756	7	8735	120544	1536173	7	8735	120544	1536173
8	0.000193505	0.00243757	0.0349893	8	8735	120544	1536173	8	8735	120544	1536173
9	0.000157966	0.00244313	0.0356579	9	8735	120544	1536173	9	8735	120544	1536173
10	0.000193409	0.00235554	0.0379039	10	8735	120544	1536173	10	8735	120544	1536173

	0.0003482923	0.002543316	0.0339899			8735	120544	1536173			8735	120544	1536173
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Worst Case - CPU Averages			
	1000	10000	100000
Selection	0.004995338	0.3032226	27.33059
Insertion	0.001681265	0.001511039	8.358816
Merge	0.0003482923	0.002543316	0.0339899

Best Case - CPU Averages			
	1000	10000	100000
Selection	0.006000886	0.3588982	27.58991
Insertion	6.27E-06	3.93E-06	0.471619
Merge	0.0001325761	0.001516787	0.02139304

Worst Case - Comparison Averages			
	1000	10000	100000
Selection	5471	80128	1246540
Insertion	254184	250389	2500376192
Merge	8735	120544	1536173

Best Case - Comparison Averages			
	1000	10000	100000
Selection	500498	9491498	99506317
Insertion	0	0	114481391
Merge	5044	75410	952186

Worst Case - Swap Averages			
	1000	10000	100000
Selection	999	9999	99999
Insertion	254184	250389	2500376192
Merge	8735	120544	1536173

Best Case - Swap Averages			
	1000	10000	100000
Selection	999	9999	99999
Insertion	0	0	114481391
Merge	5044	75410	952186

