

Bubble Sort Results (In Seconds)				
	10	100	1000	10000
Test 1	0.00017467	0.0002135	0.00223925	0.06944708
Test 2	0.00000167	0.00004942	0.00079213	0.06939175
Test 3	0.000002	0.00000608	0.00032588	0.02994917
Test 4	0.000001	0.00000621	0.00031971	0.02944458
Test 5	0.000001	0.00000596	0.00032517	0.02895421
Test 6	0.00000121	0.00000617	0.00032792	0.02886067
Test 7	0.00000096	0.00000617	0.00032463	0.02947233
Test 8	0.00000083	0.00000567	0.00032475	0.02962054
Test 9	0.0000005	0.00000571	0.00033217	0.02900571
Test 10	0.00000058	0.00000579	0.00032825	0.03027225
Averages	0.00001844	0.00003107	0.00056398	0.03744183
Selection Sort Results (In Seconds)				
	10	100	1000	10000
Test 1	0.00000396	0.00006629	0.00175571	0.12828183
Test 2	0.00000088	0.00000625	0.00024533	0.01863433
Test 3	0.00000075	0.00000592	0.00024408	0.01966963
Test 4	0.00000075	0.00000563	0.00024029	0.0189805
Test 5	0.00000067	0.00000571	0.00024629	0.01867446
Test 6	0.00000079	0.00000579	0.00024546	0.01849154
Test 7	0.00000063	0.00000546	0.00024554	0.01875204
Test 8	0.00000063	0.0000055	0.00025421	0.01883258
Test 9	0.00000046	0.00000558	0.00023854	0.01982892
Test 10	0.00000013	0.00000579	0.00024567	0.02003733
Averages	0.00000096	0.00001179	0.00039611	0.03001832
Insertion Sort Results (In Seconds)				
	10	100	1000	10000
Test 1	0.00000267	0.00005042	0.00160188	0.01686833
Test 2	0.00000067	0.00000225	0.00006304	0.00509971
Test 3	0.00000071	0.00000188	0.00006983	0.00527317
Test 4	0.0000005	0.00000204	0.00006113	0.00517429
Test 5	0.00000058	0.00000217	0.0000655	0.00534883
Test 6	0.00000058	0.000002	0.00006525	0.00513013
Test 7	0.00000038	0.00000196	0.00006104	0.00524133
Test 8	0.0000005	0.00000158	0.00005875	0.00533433
Test 9	0.00000017	0.00000158	0.00006179	0.00514767
Test 10	0.00000029	0.00000188	0.00006217	0.00558629
Averages	0.0000007	0.00000678	0.00021704	0.00642041
Shell Sort Results (In Seconds)				

	10	100	1000	10000
Test 1	0.00000304	0.00002617	0.00039633	0.00222354
Test 2	0.00000058	0.00000421	0.00006217	0.0008325
Test 3	0.00000083	0.00000404	0.00006033	0.00083321
Test 4	0.00000042	0.00000392	0.00006033	0.00082621
Test 5	0.00000054	0.00000396	0.0000615	0.00085663
Test 6	0.00000054	0.00000425	0.00006254	0.00083821
Test 7	0.00000046	0.00000388	0.00006292	0.00084521
Test 8	0.00000042	0.00000367	0.00005913	0.00083583
Test 9	0.00000025	0.00000358	0.00006188	0.00084763
Test 10	0.00000025	0.00000363	0.00005967	0.00086788
Averages	0.00000073	0.00000613	0.00009468	0.00098068
Merge Sort Results (In Seconds)				
	10	100	1000	10000
Test 1	0.00000633	0.00003879	0.00029525	0.00067646
Test 2	0.00000279	0.00000613	0.00005813	0.00066800
Test 3	0.00000317	0.00000638	0.00006121	0.00068667
Test 4	0.00000108	0.00000588	0.00005846	0.00065792
Test 5	0.00000129	0.00000708	0.00005846	0.00066192
Test 6	0.00000125	0.00000613	0.00005817	0.00066096
Test 7	0.00000117	0.00000608	0.00005846	0.00066067
Test 8	0.00000092	0.00000638	0.00005692	0.00065388
Test 9	0.00000104	0.00000558	0.00005583	0.00066829
Test 10	0.00000100	0.00000575	0.00005942	0.00069063
Averages	0.00000200	0.00000942	0.00008203	0.00066854
Quick Sort Results (In Seconds)				
	10	100	1000	10000
Test 1	0.00000542	0.00002308	0.00021246	0.00086042
Test 2	0.00000088	0.00000371	0.00003917	0.00045921
Test 3	0.00000167	0.00000358	0.00003938	0.00047233
Test 4	0.00000063	0.00000321	0.00003929	0.00045413
Test 5	0.00000075	0.00000392	0.00003875	0.00045467
Test 6	0.00000067	0.00000346	0.00003971	0.0004785
Test 7	0.00000063	0.00000354	0.00004013	0.00046704
Test 8	0.00000046	0.00000367	0.00003838	0.00044929
Test 9	0.00000042	0.00000313	0.00003688	0.00046396
Test 10	0.00000033	0.00000296	0.00011675	0.00045613
Averages	0.00000118	0.00000543	0.00006409	0.00050157
Java Arrays Sort Results (In Seconds)				
	10	100	1000	10000

Test 1	0.000207	0.00002563	0.000244	0.00241263
Test 2	0.00000242	0.00000596	0.00006192	0.00058825
Test 3	0.00000313	0.00000442	0.00002971	0.00037429
Test 4	0.00000213	0.00000296	0.00003008	0.00037858
Test 5	0.00000163	0.00000571	0.00003908	0.00036013
Test 6	0.00000183	0.00000304	0.00003229	0.00035471
Test 7	0.00000167	0.000004	0.00003333	0.00036379
Test 8	0.00000175	0.00000979	0.00003388	0.00036458
Test 9	0.00000129	0.00000225	0.00002971	0.00036088
Test 10	0.00000125	0.00000592	0.00002796	0.00039004
Averages	0.00002241	0.00000697	0.0000562	0.00059479

25000	50000	100000
0.17945846	1.73257158	6.95389058
0.44596129	0.73323067	2.88402846
0.18554796	0.73365083	2.91830821
0.18221213	0.7294325	2.9078535
0.18013846	0.72415675	2.90723892
0.1801365	0.72880613	2.91679654
0.17901592	0.73197846	2.92557946
0.18105158	0.73191246	2.93255471
0.18180733	0.73160046	2.90478217
0.18464867	0.73191371	2.93388046
0.20799783	0.83092535	3.3184913
25000	50000	100000
0.11401708	0.4595785	1.83934942
0.11783304	0.46204188	1.85054242
0.1170875	0.45742554	1.84481633
0.11629808	0.46257071	1.83635654
0.11644196	0.46213563	1.84929067
0.11645675	0.46405063	1.84942217
0.11508746	0.46498571	1.85509646
0.11712767	0.4702215	1.85642054
0.11575488	0.46338917	1.85005979
0.11532729	0.46407125	1.85887421
0.11614317	0.46304705	1.84902285
25000	50000	100000
0.03155113	0.13189271	0.54567317
0.03152596	0.13170733	0.55467675
0.03119504	0.13339929	0.55357508
0.03183754	0.13334154	0.551896
0.03243246	0.1380105	0.56230871
0.03217383	0.13436529	0.55211542
0.03194546	0.13588467	0.55195679
0.03208096	0.13777054	0.56165604
0.03204325	0.13561121	0.55131796
0.031723	0.13433258	0.55567921
0.03185086	0.13463157	0.55408551

25000	50000	100000
0.00248696	0.00500367	0.01095738
0.00231667	0.00506379	0.01165758
0.00231971	0.00511696	0.01106233
0.00234767	0.00518567	0.01113471
0.00238379	0.00516454	0.01095808
0.00230471	0.00502529	0.01092854
0.00234692	0.00509654	0.011098
0.00238113	0.00513338	0.01111758
0.00230908	0.00512538	0.01123733
0.00233617	0.00509813	0.01143546
0.00235328	0.00510133	0.0111587
25000	50000	100000
0.00175979	0.00364479	0.00780738
0.00174733	0.00364983	0.00790042
0.00174996	0.00368467	0.00785188
0.00174188	0.00370117	0.00779038
0.00179029	0.00363121	0.00765567
0.00173425	0.00377867	0.00767688
0.00176000	0.00369138	0.00777204
0.00183129	0.00380246	0.00784104
0.00177150	0.00374125	0.00798958
0.00180417	0.00380950	0.00781621
0.00176905	0.00371349	0.00781015
25000	50000	100000
0.0012095	0.00254183	0.00521463
0.00118088	0.0024815	0.00561417
0.00118379	0.00250325	0.00538942
0.00122979	0.00254063	0.00531763
0.00123496	0.00252671	0.00535483
0.00121471	0.00252292	0.00523446
0.00120396	0.00252308	0.00527304
0.00120304	0.00251708	0.00529346
0.00120671	0.00255121	0.00528104
0.00117888	0.00248021	0.00547083
0.00120462	0.00251884	0.00534435
25000	50000	100000

0.00185033	0.00404267	0.00689329
0.00155979	0.00195883	0.00467438
0.00093504	0.00201633	0.00438979
0.00098854	0.00205721	0.00437675
0.00096929	0.00205738	0.00416133
0.00093775	0.00198904	0.00422696
0.00095704	0.00202829	0.00435146
0.000939	0.00215263	0.00419575
0.00097267	0.00199308	0.00439175
0.00099071	0.0019815	0.00438025
0.00111002	0.0022277	0.00460417