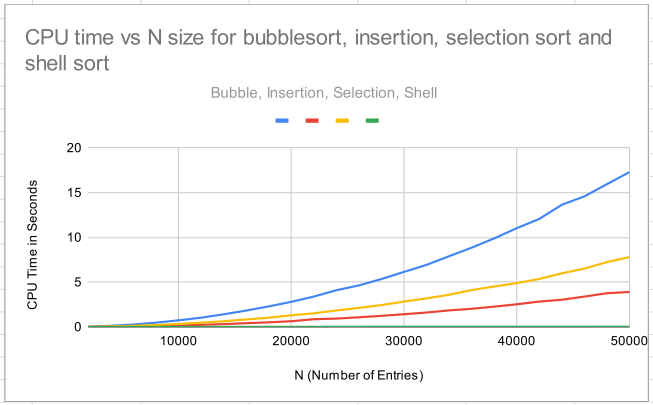
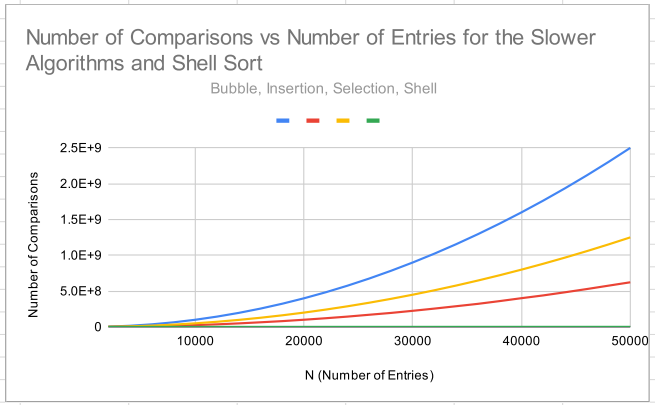
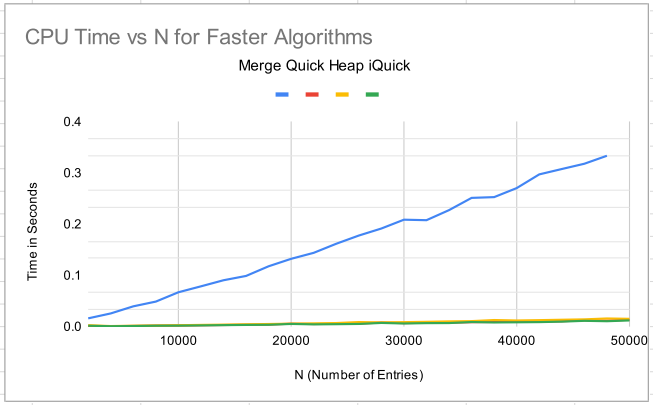
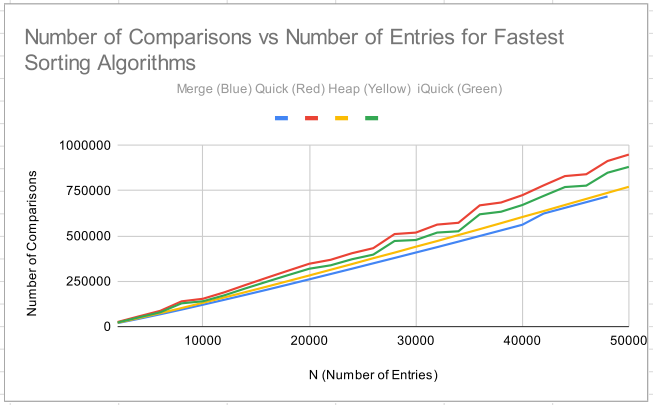
Name	*N*	*Comparisons*	*CPU Seconds*
Bubble sort	2000	3998000	0.028288
Bubble sort	4000	15996000	0.118164
Bubble sort	6000	35994000	0.269914
Bubble sort	8000	63992000	0.474128
Bubble sort	10000	99990000	0.732847
Bubble sort	12000	143988000	1.028851
Bubble sort	14000	195986000	1.407378
Bubble sort	16000	255984000	1.82181
Bubble sort	18000	323982000	2.286696
Bubble sort	20000	399980000	2.798939
Bubble sort	22000	483978000	3.383671
Bubble sort	24000	575976000	4.094284
Bubble sort	26000	675974000	4.633444
Bubble sort	28000	783972000	5.345995
Bubble sort	30000	899970000	6.142077
Bubble sort	32000	1023968000	6.928696
Bubble sort	34000	1155966000	7.894635
Bubble sort	36000	1295964000	8.847067
Bubble sort	38000	1443962000	9.883109
Bubble sort	40000	1599960000	11.026689
Bubble sort	42000	1763958000	12.061701
Bubble sort	44000	1935956000	13.644483
Bubble sort	46000	2115954000	14.579798
Bubble sort	48000	2303952000	15.945847
Bubble sort	50000	2499950000	17.293997
Insertion sort	2000	1008019	0.006221
Insertion sort	4000	4014860	0.027214
Insertion sort	6000	8980235	0.059015
Insertion sort	8000	15978155	0.104997
Insertion sort	10000	25115950	0.166224
Insertion sort	12000	35943969	0.231755
Insertion sort	14000	49066057	0.313948
Insertion sort	16000	64575258	0.418076
Insertion sort	18000	80784439	0.511376
Insertion sort	20000	100245461	0.635067
Insertion sort	22000	121232602	0.858725
Insertion sort	24000	143985438	0.927888
Insertion sort	26000	169840980	1.075111
Insertion sort	28000	195318844	1.236842
Insertion sort	30000	224872774	1.416261
Insertion sort	32000	255985233	1.607158
Insertion sort	34000	289074663	1.844779
Insertion sort	36000	322219586	2.022185
Insertion sort	38000	360676942	2.268556
Insertion sort	40000	401241120	2.522296
Insertion sort	42000	439962884	2.831721
Insertion sort	44000	483598895	3.033516
Insertion sort	46000	528576821	3.385014
Insertion sort	48000	575992307	3.764493
Insertion sort	50000	623089100	3.899866
Selection sort	2000	1999000	0.013105
Selection sort	4000	7998000	0.053309
Selection sort	6000	17997000	0.122996
Selection sort	8000	31996000	0.214129
Selection sort	10000	49995000	0.330944









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Selection sort	18000	161991000	1.024319
Selection sort	20000	199990000	1.292069
Selection sort	22000	241989000	1.512083
Selection sort	24000	287988000	1.836481
Selection sort	26000	337987000	2.119561
Selection sort	28000	391986000	2.438799
Selection sort	30000	449985000	2.827829
Selection sort	32000	511984000	3.182461
Selection sort	34000	577983000	3.589374
Selection sort	36000	647982000	4.11261
Selection sort	38000	721981000	4.516036
Selection sort	40000	799980000	4.887607
Selection sort	42000	881979000	5.358315
Selection sort	44000	967978000	5.984718
Selection sort	46000	1057977000	6.514902
Selection sort	48000	1151976000	7.237594
Selection sort	50000	1249975000	7.795627
Shell sort	2000	18006	0.001142
Shell sort	4000	40006	0.000806
Shell sort	6000	66007	0.001384
Shell sort	8000	88006	0.001928
Shell sort	10000	120005	0.00248
Shell sort	12000	144007	0.003031
Shell sort	14000	168007	0.003738
Shell sort	16000	192006	0.005763
Shell sort	18000	234005	0.004794
Shell sort	20000	260005	0.005792
Shell sort	22000	286008	0.006186
Shell sort	24000	312007	0.00811
Shell sort	26000	338006	0.007607
Shell sort	28000	364007	0.009653
Shell sort	30000	390007	0.008982
Shell sort	32000	416006	0.010729
Shell sort	34000	476005	0.010544
Shell sort	36000	504005	0.010873
Shell sort	38000	532006	0.011998
Shell sort	40000	560005	0.013985
Shell sort	42000	588004	0.014741
Shell sort	44000	616008	0.01491
Shell sort	46000	644008	0.014741
Shell sort	48000	672007	0.017917
Shell sort	50000	700006	0.018029
Merge sort	2000	19441	0.016032
Merge sort	4000	42837	0.02564
Merge sort	6000	67820	0.03951
Merge sort	8000	93684	0.048784
Merge sort	10000	120449	0.066985
Merge sort	12000	147617	0.078578
Merge sort	14000	175196	0.090459
Merge sort	16000	203158	0.098868
Merge sort	18000	231861	0.11774
Merge sort	20000	260835	0.132321
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Merge sort	24000	319285	0.161759

Merge sort	26000	349080	0.177763
Merge sort	28000	378699	0.191507
Merge sort	30000	408654	0.208726
Merge sort	32000	438440	0.207762
Merge sort	34000	469019	0.227418
Merge sort	36000	499939	0.251321
Merge sort	38000	530833	0.25281
Merge sort	40000	561965	0.270439
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Merge sort	46000	655373	0.307687
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Quick sort	12000	188641	0.002524
Quick sort	14000	229487	0.003001
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Quick sort	18000	308404	0.003905
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Quick sort	28000	510585	0.007851
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Quick sort	42000	779379	0.009966
Quick sort	44000	830609	0.01033
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Quick sort	50000	949397	0.01326
Priority Queue so	2000	21405	0.002628
Priority Queue so	4000	47084	0.000965
Priority Queue so	6000	74210	0.001639
Priority Queue so	8000	102127	0.002036
Priority Queue so	10000	130948	0.002607
Priority Queue so	12000	160510	0.003221
Priority Queue so	14000	190190	0.003743
Priority Queue so	16000	220385	0.00436
Priority Queue so	18000	251087	0.004971
Priority Queue so	20000	282103	0.005628
Priority Queue so	22000	313542	0.006208
Priority Queue so	24000	344914	0.006847
Priority Queue so	26000	377267	0.008771
Priority Queue so	28000	408179	0.008121
Priority Queue so	30000	440764	0.008625
Priority Queue so	32000	472053	0.009278
Priority Queue so	34000	505133	0.010087
Priority Queue so	36000	537683	0.010627
Priority Queue so	38000	570842	0.01273
Priority Queue so	40000	604684	0.01185

Priority Queue sc	42000	637366	0.012511													
Priority Queue sc	44000	671122	0.013296													
Priority Queue sc	46000	704628	0.01406													
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iquick Sort	2000	22600	0.001635													
iquick Sort	4000	51077	0.00066													
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iquick Sort	18000	283872	0.003515													
iquick Sort	20000	319311	0.005116													
iquick Sort	22000	338097	0.004286													
iquick Sort	24000	371554	0.004621													
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iquick Sort	30000	477782	0.006001													
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iquick Sort	40000	670917	0.008334													
iquick Sort	42000	721240	0.008685													
iquick Sort	44000	770095	0.009619													
iquick Sort	46000	777843	0.011218													
iquick Sort	48000	849177	0.010439													
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