

Algorithm Mean Time for Input Size	1.00E+03	1.00E+04	1.00E+05	1.00E+06	1.00E+07
bubble sort	0.176	22.329	1200	1200	1200
insertion sort	0.0096	1.2722	217.1586	1200	1200
merge sort	0.0069	0.0879	1.001	12.022	144.29
quick sort	2.5E-07	2.25E-07	2.50E-07	2.75E-07	7E-07
radix sort	0.0041	0.0528	0.7215	7.3127	99.691

Algorithm	Input Size				
bubble sort	1.00E+03	1.00E+04	1.00E+05	1.00E+06	1.00E+07
run 1	0.204472	24.15557	> 20 m	> 20 m	> 20 m
run 2	0.168532	22.05662	> 20 m	> 20 m	> 20 m
run 3	0.161561	21.60848	> 20 m	> 20 m	> 20 m
run 4	0.203944	21.49822	> 20 m	> 20 m	> 20 m
run 5	0.170344	25.62699	> 20 m	> 20 m	> 20 m
average	0.176095	22.32972	> 20 m	> 20 m	> 20 m

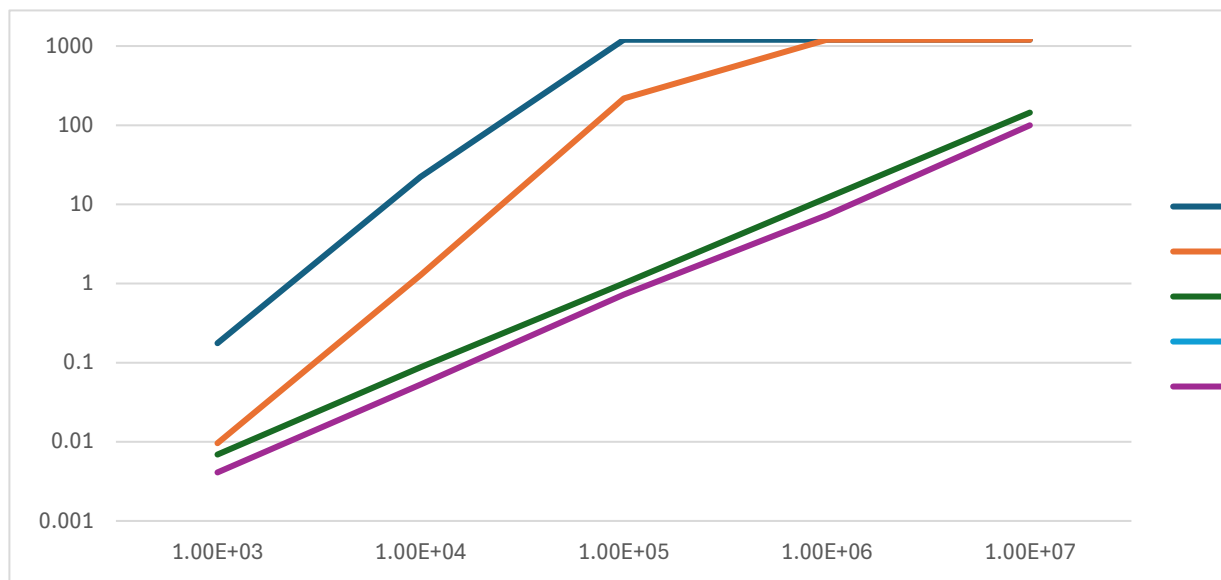
Algorithm	Input Size				
insertion sort	1.00E+03	1.00E+04	1.00E+05	1.00E+06	1.00E+07
run 1	0.038064	5.919919	967.1601	> 20 m	> 20 m
run 2	0.000138	0.001362	0.046935	> 20 m	> 20 m
run 3	0.000126	0.001387	0.058307	> 20 m	> 20 m
run 4	0.000145	0.002307	0.066172	> 20 m	> 20 m
run 5	0.045763	5.083894	868.4629	> 20 m	> 20 m
average	0.009618	1.272237	217.1586	> 20 m	> 20 m

Algorithm	Input Size				
merge sort	1.00E+03	1.00E+04	1.00E+05	1.00E+06	1.00E+07
run 1	0.005827	0.064301	1.123604	11.03147	146.9354
run 2	0.006495	0.082677	0.92262	11.95422	149.4497
run 3	0.007411	0.083592	1.158795	11.75726	147.376
run 4	0.007898	0.123569	1.113089	13.34672	155.3209
run 5	0.008501	0.121189	0.845023	13.61087	133.4091
average	0.006908	0.08794	1.001084	12.02242	144.2925

Algorithm	Input Size				
radix sort	1.00E+03	1.00E+04	1.00E+05	1.00E+06	1.00E+07
run 1	0.00484	0.07448	0.723926	7.354769	98.31977
run 2	0.004097	0.044348	0.774562	7.222086	104.6395
run 3	0.00384	0.044573	0.69412	8.654494	111.9264
run 4	0.003653	0.048077	0.780168	7.379659	94.82041
run 5	0.007022	0.080407	0.693545	7.294415	100.9882
average	0.004107	0.052869	0.721538	7.312732	99.69198

Algorithm Input Size

quick sort	1.00E+03	1.00E+04	1.00E+05	1.00E+06	1.00E+07
run 1	1.90E-06	1.10E-06	5.00E-07	3.00E-07	1.30E-06
run 2	3.00E-07	2.00E-07	2.00E-07	3.00E-07	9.00E-07
run 3	2.00E-07	3.00E-07	2.00E-07	3.00E-07	4.00E-07
run 4	3.00E-07	2.00E-07	3.00E-07	3.00E-07	2.00E-07
run 5	2.00E-07	2.00E-07	3.00E-07	2.00E-07	1.30E-06
average	2.50E-07	2.25E-07	2.50E-07	2.75E-07	7.00E-07



bubble sort
insertion sort
merge sort
quick sort
radix sort