

Julian Noeske

I pledge my honor that I have abided by the Stevens Honor System.

Names	Wall clock time	Number of swaps	Complexity class
Bubble sort	1.8492189E-4 seconds	22	$\theta(n^2)$
Insertion sort	1.6070757E-4 seconds	21	$\theta(n^2)$
Merge sort	2.7994674E- 4 seconds	34	$\theta(n \log(n))$
Quick sort	1.9840507E- 4seconds	18	$\theta(n \log(n))$
Selection sort	1.75548859E-4 seconds	45	$\theta(n^2)$
Shuffling	1.9502195E-4 seconds	10	$\theta((n+1)!)$

Dates	Wall clock time	Number of swaps	Complexity class
Bubble sort	0.00109340994 seconds	22	$\theta(n^2)$
Insertion sort	0.00121949105 seconds	22	$\theta(n^2)$
Merge sort	0.00126928044 seconds	34	$\theta(n \log(n))$
Quick sort	9.187951E-4 seconds	17	$\theta(n \log(n))$
Selection sort	0.00101496173999 seconds	45	$\theta(n^2)$
Shuffling	0.00102718804 seconds	10	$\theta((n+1)!)$