

Complexity	Best	Average	Worst	Complexity	Inc	Ran	Dec
Selection Sort	N^2	N^2	N^2	Selection Sort			
Insertion Sort	N	N^2	N^2	Insertion Sort			
Bubble Sort				Bubble Sort			
Shell Sort				Shell Sort			
Radix Sort				Radix Sort			

RT	Selection Sort			Insertion Sort			Bubble Sort		
N	Inc	Ran	Dec	Inc	Ran	Dec	Inc	Ran	Dec
100	.005	.023	.003	.004	.022	.003	.003	.061	.003
10^3	.108	1.72	.003	.137	1.7	.003	.062	6.19	.003
10^4	.108	168	.003	.137	166	.004	.062	596	.003
10^5	1.05	16830	.003	1.15	16801	.003	.589	60276	.003

RT	Shell Sort			Radix Sort		
n	Inc	Ran	Dec	Inc	Ran	Dec
100	.008	.015	.003	.014	.014	.003
10^3	1.11	.217	.003	1.91	.143	.003
10^4	.217	3.23	.003	1.91	1.95	.003
10^5	15.2	1298073	.003	24.7	24.6	.003

#comp	Selection Sort			Insertion Sort		
n	Inc	Ran	Dec	Inc	Ran	Dec
100	99	2927	0	99	2927	0
10^3	999	258706	0	999	258706	0
10^4	9999	25200236	0	9999	25200236	0
10^5	99999	2502510900	0	99999	2506679184	0

#comp	Bubble Sort			Shell Sort		
n	Inc	Ran	Dec	Inc	Ran	Dec
100	99	4972	0	99	1186	0
10^3	999	499742	0	999	20136	0
10^4	9999	49992757	0	9999	294454	0
10^5	99999	4999871596	0	99999	3885858	0