

Bubble Sort

n	n ²	Exec Time(Sec)	c = Time/n ²
1,000	1,000,000	0.0	0
2,000	4,000,000	0.0	0
3,000	9,000,000	.004	4.4444444e-10
4,000	16,000,000	.004	2.5e-10
5,000	25,000,000	.004	1.6e-10
6,000	36,000,000	.004	1.1111111e-10
7,000	49,000,000	.004	8.1632653e-11
8,000	64,000,000	.004	6.25e-11
9,000	81,000,000	.008	9.8765432e-11
10,000	100,000,000	0.0	0

Insertion Sort

n	n ²	Exec Time(Sec)	c = Time/n ²
1,000	1,000,000	0.0	0
2,000	4,000,000	0.0	0
3,000	9,000,000	.0.0	0
4,000	16,000,000	.0.0	0
5,000	25,000,000	.0	0
6,000	36,000,000	.0	0
7,000	49,000,000	.004	8.1632653e-11
8,000	64,000,000	.0	0

9,000	81,000,000	.004	4.9382716e-11
10,000	100,000,000	.008	8e-11

Selection Sort

n	n^2	Exec Time(Sec)	c = Time/n^2
1,000	1,000,000	0.0	0
2,000	4,000,000	0.0	0
3,000	9,000,000	.004	4.4444444e-10
4,000	16,000,000	.004	2.5e-10
5,000	25,000,000	.000	0
6,000	36,000,000	.004	1.1111111e-10
7,000	49,000,000	.004	8.1632653e-11
8,000	64,000,000	.004	6.25e-11
9,000	81,000,000	.000	0
10,000	100,000,000	.008	8e-11