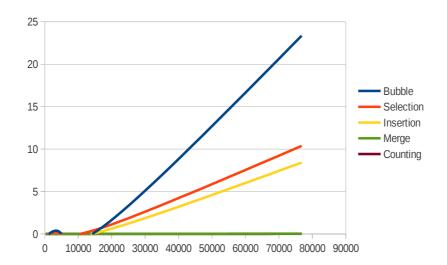
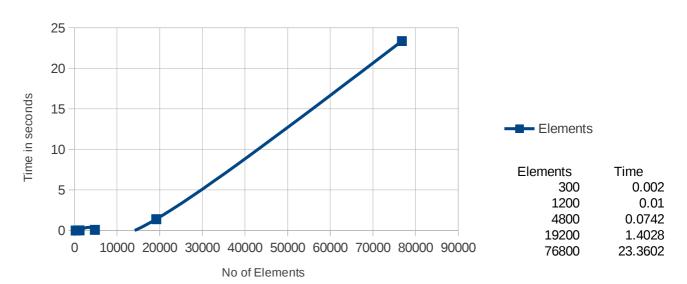
COMPARISION OF ALL SORTS



Elements	Bubble	Selection	Insertion	Merge	Counting
300	0.002	0.002	0.002	0.001	0.001
1200	0.01	0.0112	0.0062	0.002	0.002
4800	0.0742	0.091	0.0418	0.004	0.003
19200	1.4028	1.0128	0.5386	0.0146	0.0065

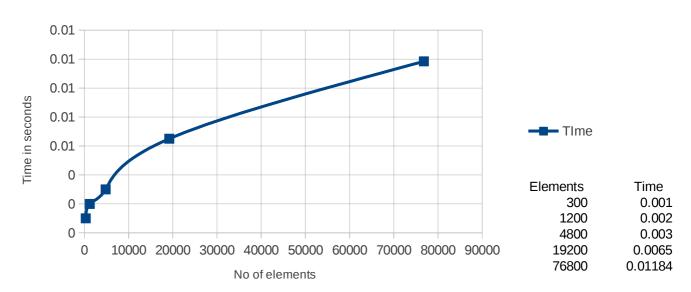
Bubble Sorting



Time Constraints:

Case	Order
Best Average Worst	O(n) O(n^2) O(n^2)

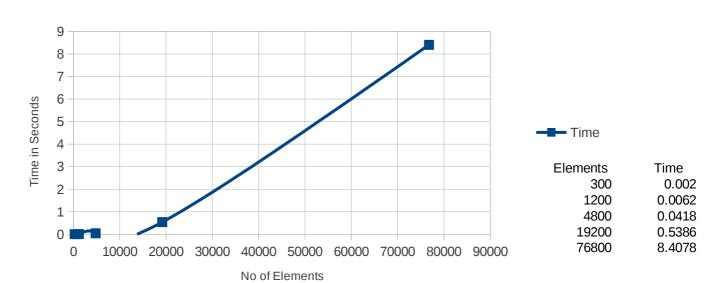
Counting Sort



Time Constraints:

Case	Order
Best Average	O(n*k) O(n*k)
Worst	O(n*k)

Insertion Sorting



Time Constraints:

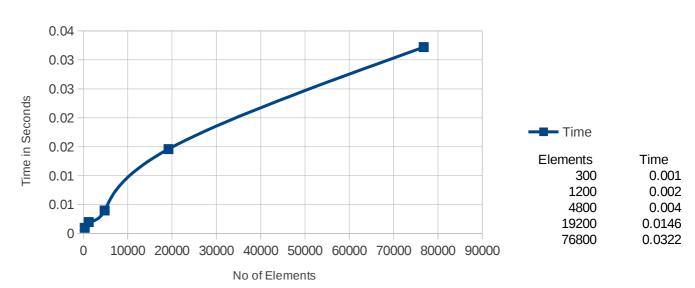
Case Order

Best O(n)

Average O(n^2)

Worst O(n^2)

Merge Sorting



Time Constraints:

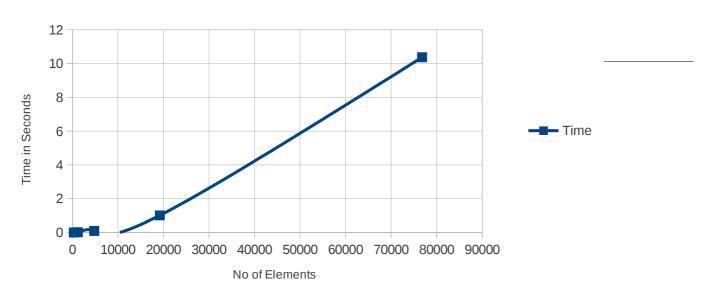
Case Order

Best O(nlog(n))

Average O(nlog(n))

Worst O(nlog(n))

Selection Sorting

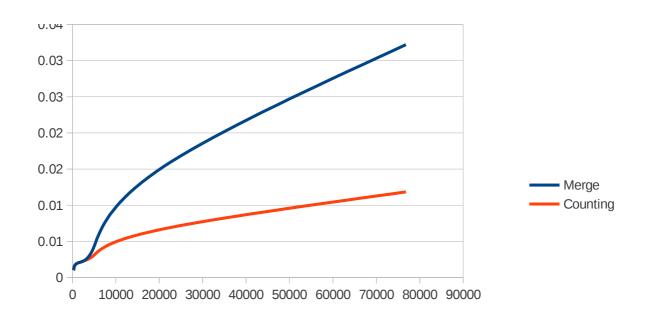


Elements	Time
300	0.002
1200	0.0112
4800	0.091
19200	1.0128
76800	10 373

Time Constraints:

Case	Order
Best Average	O(n^2) O(n^2)
Worst	O(n^2)

COMPARISION BETWEEN MERGE AND COUNTING SORT



Elements	Merge	Counting	
300	0.001	0.001	
1200	0.002	0.002	
4800	0.004	0.003	
19200	0.0146	0.0065	
76800	0.0322	0.01184	