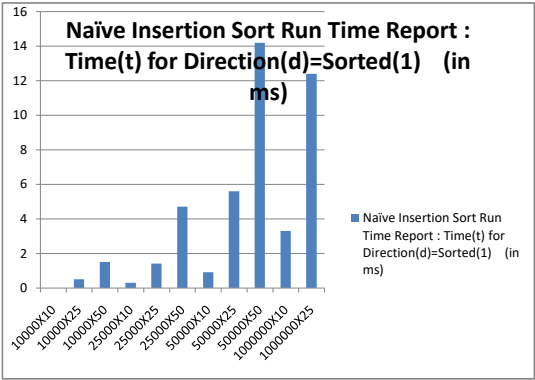


Naïve Insertion Sort Run Time Report :

Input Size(m) X dimension(n)	Time(t) for Direction(d)=random(0) (in ms)	Time(t) for Direction(d)=Sorted(1) (in ms)	Time(t) for Direction(d)=Reversed(-1) (in ms)
10000X10	671	0	1385
10000X25	1442.5	0.5	3742.4
10000X50	-	1.5	7521
25000X10	4280	0.3	8346.9
25000X25	8993.6	1.4	21972
25000X50	19347.4	4.7	58942.1
50000X10	21531	0.9	42196.6
50000X25	37180.7	5.6	79015.1
50000X50	82756.4	14.2	184749
1000000X10	97088.3	3.3	90847.2
1000000X25	289616.7	12.4	30717.2



Analysis of Naive Insertion Sort Algorithm with the inputs provided:

1) Insertion Sort Algorithm's execution time is directly proportional to the input size. Run time increases as the size of the input grows.