OUTPUT

Sl NO. Val of n T.C. rand. T.C. sort in asc T.C. sort in des

1 5000 0.096 ms 0 ms 0.137 ms

2 10000 0.229 ms 0 ms 0.41 ms

3 15000 0.474 ms 0.008 ms 0.891 ms

4 20000 0.863 ms 0 ms 1.679 ms

5 25000 1.279 ms 0.008 ms 2.513 ms

6 30000 1.807 ms 0 ms 3.677 ms

7 35000 2.493 ms 0 ms 4.873 ms

8 40000 3.306 ms 0 ms 6.302 ms

9 45000 4.066 ms 0 ms 8.063 ms

10 50000 5.052 ms 0 ms 9.872 ms

OUTPUT

Sl NO. Val of n T.C. rand. T.C. sort in asc T.C. sort in des

1 5000 6.33637e+06 ms 4999 ms 1.25011e+07 ms

2 10000 2.5088e+07 ms 9999 ms 4.99999e+07 ms

3 15000 5.65863e+07 ms 14999 ms 1.12496e+08 ms

4 20000 1.00011e+08 ms 19999 ms 1.9999e+08 ms

5 25000 1.56584e+08 ms 24999 ms 3.1248e+08 ms

6 30000 2.25053e+08 ms 29999 ms 4.49969e+08 ms

7 35000 3.05118e+08 ms 34999 ms 6.12455e+08 ms

8 40000 4.00463e+08 ms 39999 ms 7.99939e+08 ms

9 45000 5.07259e+08 ms 44999 ms 1.01242e+09 ms

10 50000 6.24771e+08 ms 49999 ms 1.2499e+09 ms