**Report**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case | Insertion Sort | | Merge Sort | | Heap Sort | | Quicksort | |
| Time (Sec) | Memory (MB) | Time (Sec) | Memory (MB) | Time (Sec) | Memory (MB) | Time (Sec) | Memory (MB) |
| Case 1 | 0.02556 | 13.0 | 0.01146 | 13.0 | 0.004903 | 13.0 | 0.004091 | 13.0 |
| Case 2 | 1.05673 | 13.7 | 0.58084 | 13.8 | 0.039655 | 13.5 | 0.056423 | 13.5 |
| Case 3 | 89.961 | 21.9 | 57.928 | 21.1 | 0.406802 | 18.0 | 2.04733 | 18.2 |
| Case 4 | 597.497 | 35.2 | 415.678 | 30.7 | 1.02668 | 33.1 | 18.7162 | 24.9 |

A.

B.



