

|      | Merge Time (S) | Merge Comparisons | Insertion Time(S) | Insertion Comparisons |
|------|----------------|-------------------|-------------------|-----------------------|
| 1 K  | 0.01536512374  | 8713              | 0.159429788589    | 246,373               |
| 10 K | 0.19570088386  | 120642            | 15.71806693077    | 24,982,755            |
| 100k | 2.27627968788  | 1536307           | 1563.39582682     | 2,507,389,476         |
| 250k | 6.032831192016 | 4168028           | 11149.248559      | 15,683,795,704        |
| 500k | 12.0945725440  | 8836552           | 47598.0239975     | 62,434,746,006        |
| 1M   | 25.0390777587  | 18673054          | 224769.101827     | 249,837,038,112       |

Time Efficiency

