**Insertion Sort Time Complexity Analysis**

**Table:**

|  |  |
| --- | --- |
| **Input size** | **time(sec)** |
| 10000 | 0.177 |
| 20000 | 0.713 |
| 30000 | 1.555 |
| 40000 | 2.78 |
| 50000 | 4.296 |
| 60000 | 6.182 |
| 70000 | 8.341 |
| 80000 | 10.707 |
| 90000 | 13.765 |
| 100000 | 16.927 |

**Graph:**