Your report goes in this file. Remove this description and replace it with your report. The report consists of two parts:

1. Two tables showing speed comparison between polymorphic tree and Javas’ TreeMap. Use TreeSpeed.java for information on how to obtain time information. Each table should have two columns: data size (number of values used) and the time (in milliseconds). Each table should have at least five entries. The first table will show results for trees created with numbers in a sequence and the second table with trees created with random numbers.
2. Two or three lines explaining the table results.

TreeMap is always O(log(n)),for sorted data BST is O(n),for random data ,BST is O(log(n))

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| --- | --- | --- | --- |
| Data Type | Data Size | BST Time (msec) | Tree Map Time (msec) |
| Sorted Data | 1000 | 10 | 5 |
| Sorted Data | 2000 | 22 | 14 |
| Sorted Data | 4000 | 99 | 27 |
| Sorted Data | 8000 | 447 | 32 |
| Sorted Data | 16000 | 1797 | 37 |

|  |  |  |  |
| --- | --- | --- | --- |
| Data Type | Data Size | BST Time (msec) | Tree Map Time (msec) |
| Random Data | 1000 | 7 | 4 |
| Random Data | 2000 | 11 | 7 |
| Random Data | 4000 | 16 | 14 |
| Random Data | 8000 | 27 | 16 |
| Random Data | 16000 | 26 | 23 |