Table

23k-3000

| **Operation/Tree** | **1,000 Records (ms)** | **10,000 Records (ms)** | **50,000 Records (ms)** |
| --- | --- | --- | --- |
| **Binary Search Tree (BST)** |  |  |  |
| Insert | 8.4 | 104.2 | 612.5 |
| Search | 3.7 | 43.1 | 221.7 |
| Update | 4.5 | 47.8 | 234.2 |
| Delete | 8.1 | 102.5 | 598.3 |
| **AVL Tree** |  |  |  |
| Insert | 5.6 | 65.3 | 340.8 |
| Search | 1.5 | 17.3 | 85.9 |
| Update | 1.8 | 18.2 | 89.7 |
| Delete | 4.0 | 54.1 | 260.4 |
| **B Tree** |  |  |  |
| Insert | 6.2 | 72.4 | 369.1 |
| Search | 2.0 | 20.4 | 98.6 |
| Update | 2.5 | 23.7 | 112.8 |
| Delete | 4.8 | 57.9 | 280.3 |

Avl tree is fastest