|  |  |
| --- | --- |
|  | O analysis (\*see appended code) |
| Vector | O(n) |
| Hash Table | O(n) |
| BST | O(n \* log n) |

Vector

Advantages: Simple to implement

Disadvantages: Slower runtime complexity

Hash table

Advantages: faster runtime complexity with insertion

Disadvantages: can degrade down to linear complexity

BST

Advantages: presorted insertion

Disadvantages: can degrade down to linear complexity, slower than Hash Table