Savion Peebles

CS-300

Professor Susalla

8/18/2023   Runtime Analysis

Runtime Analysis

	Binary Tree	Hash Table	Vector
Search	O(log N) - O(N) (Can be affected by tree balance)	O(1) - O(N) (can be affected by collisions)	O(n)
Load Data	O (log N)	O(1)- O(N) (can be affected by collisions)	O(1)
Print and Sort	O(N)	O(N) (If created in order)	O(N log N) (quick sort)