

CSSE 230, Winter 2023/24, Comparative Evaluation of Key Data-structures

Category	BST
Worst-case insert/remove	N/N
Best-case insert/remove	1/1
Average-case insert/remove	TBA
Lopsidedness ¹⁾	N:1
Height of 2 Mio	419
Potential ³⁾ of 2 Mio	29
Inserting 1 Mio Into 1 Mio	763
Removing 1 Mio in 2 Mio	912
Finding 1 Mio in 2 Mio	733

¹ Largest ratio of longest path length to a null node to shortest path length to a null node.

² Creating an iterator 1 Mio times in 2 Mio tree returning first 5-100 elements, number of elements determined at random.

³ Average number of nodes visited from root to any of the nodes.

NOTICE: All data was generated with all apps closed, except for Eclipse.