



BBST Summary

Learning Objectives

Identify when BBSTs offer improvements over other data structures



Motivation

BST -

BBST -

AVL -

Rotations

Implementations

Analysis



Summary

AVL Trees

Max height: $1.44 * \log(n)$

Rotations:

Red-Black Trees

Max height: $2 * \log(n)$

Constant number of rotations on insert, remove, and find



	Unsorted Array	Sorted Array	Unsorted List	Sorted List	Binary Tree	BST	AVL
Find							
Insert							
Remove							
Traverse							

