

class: Binary Search Tree

- ⊕ add(int) boolean
- ⊕ contains(int) int
- ⊕ delete(int) boolean
- ⊕ size() int
- ⊕ iterator() Iterator < Integer >

↑
inherits

class: AVLTree:

- root: ~~TreeNode~~ TreeNode
- ⊕ findMinNodes(int) int
- ⊕ findMaxNodes(int) int
- ⊕ balanceTree(~~TreeNode~~ TreeNode) void
- ⊕ rotateLeft(TreeNode) void
- ⊕ rotateRight(TreeNode) void

delegates

* class: TreeNode

- height int
- value int
- leftNode, rightNode, parentNode TreeNode
- * ⊕ getParent() TreeNode
- * ⊕ setParent(TreeNode) void
- ⊕ getLeft() TreeNode
- * ⊕ setLeft(TreeNode) void
- ⊕ getRight() TreeNode
- ⊕ setRight(TreeNode) void