

(package) oop.ex4.data_structures

<<Interface>>

Iterable <Integer>

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+ iterator(): Iterator <Integer>

implements

+ abstract class

Tree

root : Node

size : int

height : int

+ abstract add(): boolean

+ abstract delete(): boolean

+ abstract contains(): int

+ size(): int

+ static findMinNodes(h:int):int

+ Tree()

+ Tree(int[] data)

+ Tree(Tree tree)

+ static findMaxNodes(h:int):int

extends

+ class

AVTree

- RR(): void, - LR(): void

- RL(): void, - LL(): void

- singleRotation(): boolean

- heapify(): void, - findMin: Node, - findSuccessor: Node

- innerClass AVTreeIter

- counter: int, - curNode: Node

+ Overrides Iterable's Iterator methods

+ class

Node

- Key: int

- left: Node

- right: Node

- parent: Node

- height: int

+ Node (Key: int, left: Node, right: Node, parent: Node, height: int)

+ getters & setters
Node (Node: Node)