AVL Sort

- Insert n items $\rightarrow \Theta(n \lg n)$
- in order traversal $- \Theta(n)$

Abstract Data Type:

balanced BST
$\left\{\begin{array}{l} \text{- insert and delete} \\ \text{- find min} \\ \text{- successor and predecessor} \end{array}\right\}$ priority queue

Data Structure (priority queue)

heap   AVL   sorted Array