**AVL tree** is a self-balancing binary search **tree 🡪 node ordering is important**

A binary **heap** is a complete binary **tree** which satisfies the **heap** ordering property. The ordering can be one of two types: the min-**heap** property: the value of each node is greater than or equal to the value of its parent, with the minimum-value element at the root. 🡪 **when root is most important, can use array to represent**

**Huffman tree** generated from the exact frequencies of the text 🡪 lossless data compression

traverse tree for search, ex: AI depth-first search, breadth-first search