

Binary Search Tree Traversal Algorithms

In this document, we illustrate the process of traversing a binary search tree using different traversal algorithms. The traversal methods covered are: The main idea of level order traversal is to traverse all the nodes of a lower level before moving to any of the nodes of a higher level.

Detailed Traversal Steps

The following figures illustrate the binary search tree at various stages of traversal. Each figure shows the state of the tree with the current node being processed highlighted.

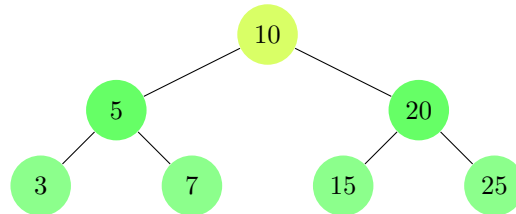


Figure 1: Step 1

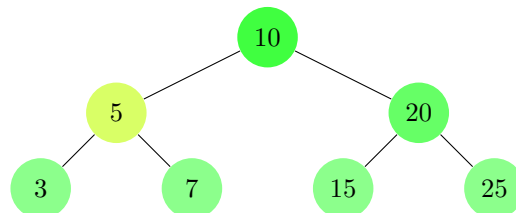


Figure 2: Step 2

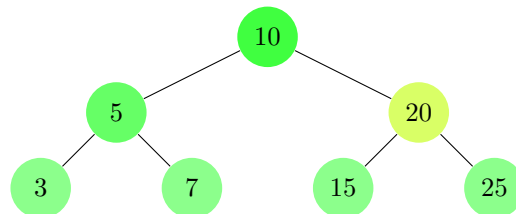


Figure 3: Step 3

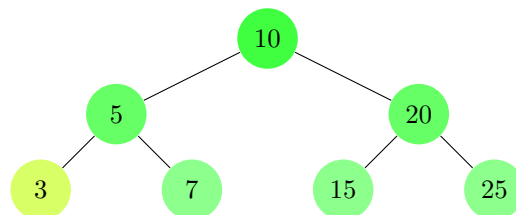


Figure 4: Step 4

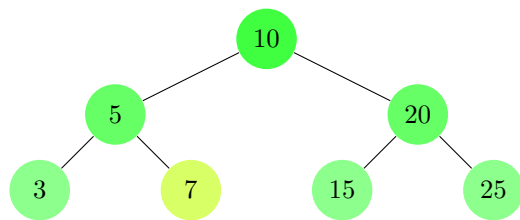


Figure 5: Step 5

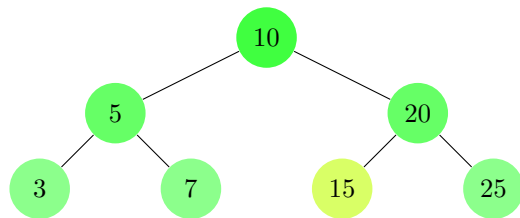


Figure 6: Step 6

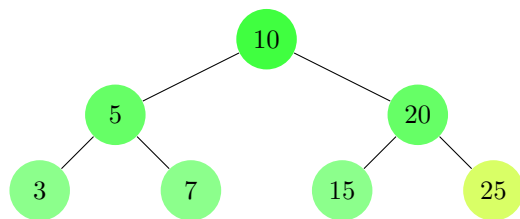


Figure 7: Step 7