Step-by-Step Deletion Process in a Binary Search Tree (BST)

This document presents the step-by-step process of deleting nodes from a Binary Search Tree (BST). Each step includes a visualization of the tree before and after the deletion of a specific node. Nodes are removed according to BST deletion rules, ensuring that the tree's properties are maintained.

Process Overview

For each deletion operation:

- The tree before deletion is shown, with the node to be deleted highlighted in red.

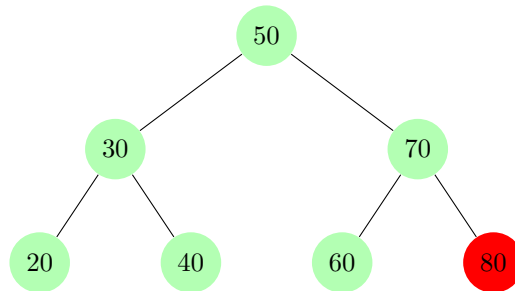- The tree after deletion is displayed, illustrating the new structure of the BST.

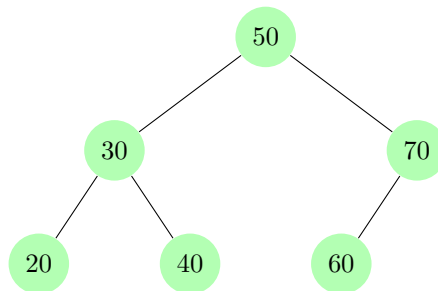Figure 1: Tree before deletion (Node to delete in red)
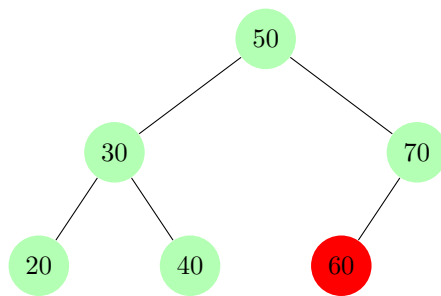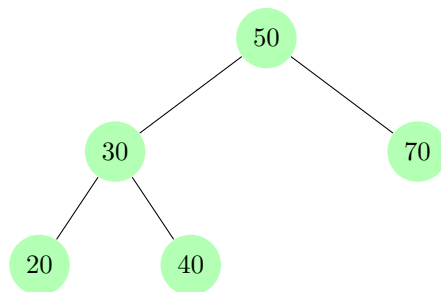
Figure 2: Tree after deletion

Figure 3: Tree before deletion (Node to delete in red)

Figure 4: Tree after deletion