

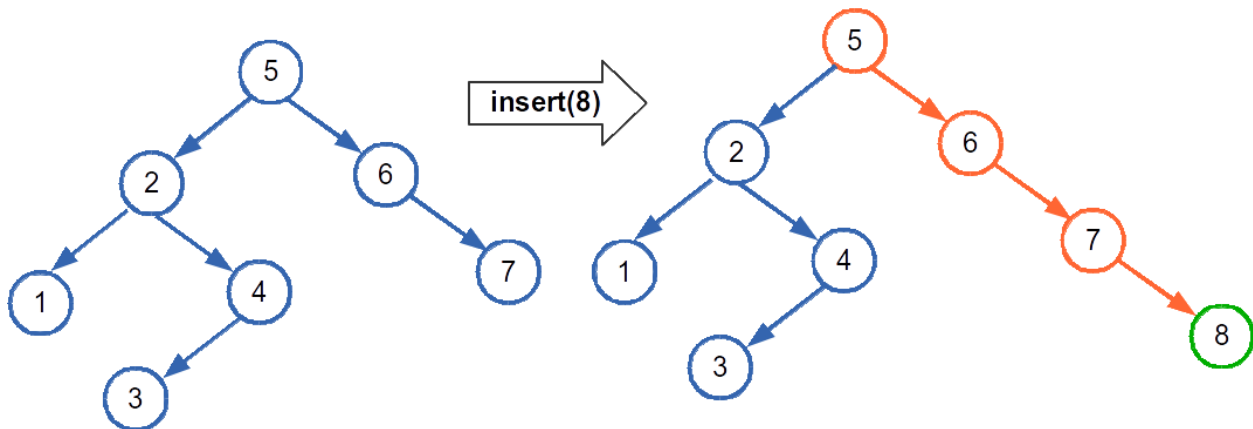
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**GC211(Data Structures)**  
**Tutorial 9**

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**BST Deletion Examples**

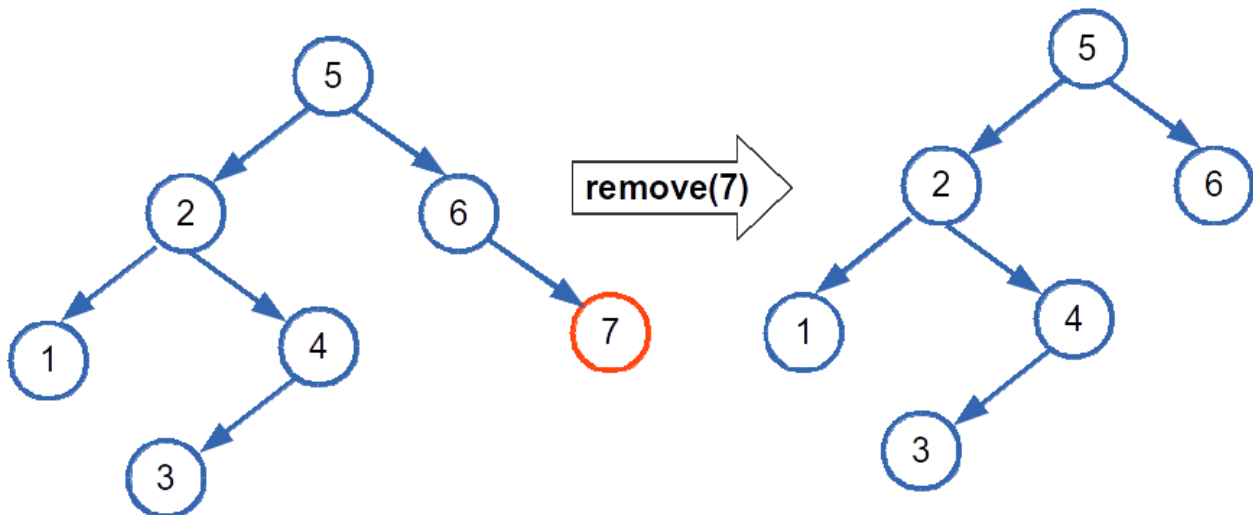
Example 1:

**Add** the number 8 to a BST. The original tree is on the left, and the tree after the insertion is on the right. The orange nodes are nodes that were examined, and the green node is the one that was created:



Example 2:

Removing the **leaf node** with the value 7 from a BST:

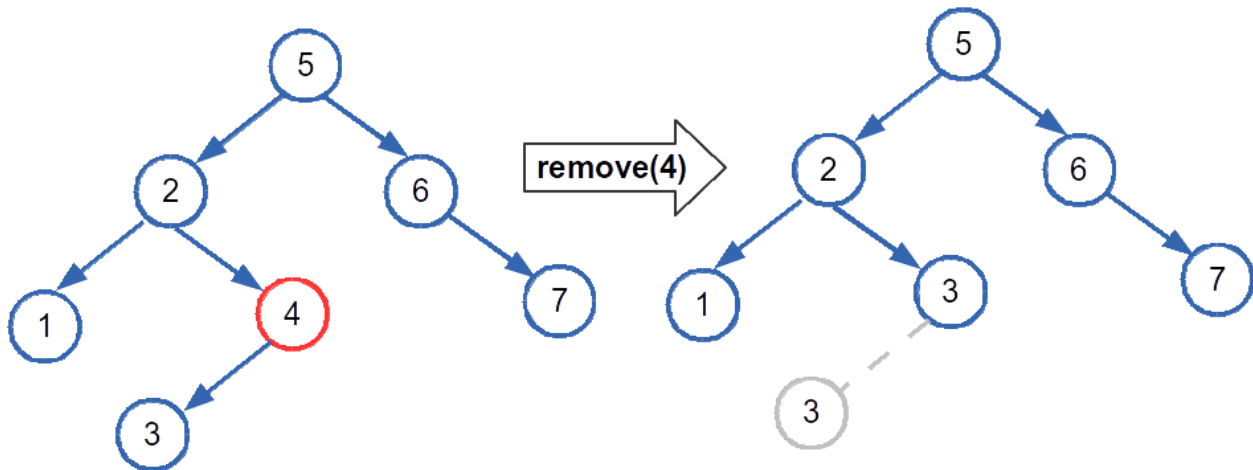


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Example 3:

Removing a node with the value 4 and a single child.



Example 4:

Remove a node, 2, with two children from a BST. The min node from its right subtree, 3

