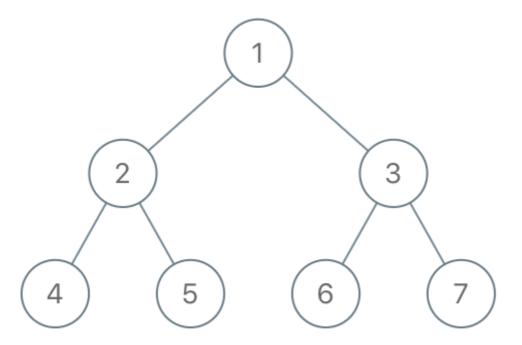
## 1110. Delete Nodes And Return Forest

Given the root of a binary tree, each node in the tree has a distinct value.

After deleting all nodes with a value in to delete, we are left with a forest (a disjoint union of trees).

Return the roots of the trees in the remaining forest. You may return the result in any order.

## Example 1:



```
Input: root = [1,2,3,4,5,6,7], to_delete = [3,5]
Output: [[1,2,null,4],[6],[7]]
```

## Example 2:

```
Input: root = [1,2,4,null,3], to_delete = [3]
Output: [[1,2,4]]
```

## Constraints:

- The number of nodes in the given tree is at most 1000.
- Each node has a distinct value between 1 and 1000.
- to\_delete.length <= 1000
- to\_delete contains distinct values between 1 and 1000.

```
# Definition for a binary tree node.
# class TreeNode:
     def init (self, val=0, left=None, right=None):
          self.val = val
          self.left = left
          self.right = right
class Solution:
    def delNodes(self, root: TreeNode, to_delete: List[int]) ->
List[TreeNode]:
        to delete = set(to delete)
        res = []
        if root.val not in to delete:
            root = self.dfs(root, to delete, res)
            res = res + [root]
            return res
        else:
            root1 = self.dfs(root.left, to delete, res)
            root2 = self.dfs(root.right, to delete, res)
            root.left = None
            root.right= None
            if root1:
                res = res+[root1]
            if root2:
                res = res+[root2]
            return res
    def dfs(self,root,to delete,res):
        if root is None:
            return None
        root.left = self.dfs(root.left, to delete, res)
        root.right = self.dfs(root.right, to delete, res)
        if root.val in to delete:
            if root.left!=None:
                res.append(root.left)
            if root.right!=None:
                res.append(root.right)
            root.left,root.right = None,None
            return None
        return root
```

```
# Definition for a binary tree node.
# class TreeNode:
```

```
def init (self, val=0, left=None, right=None):
#
         self.val = val
          self.left = left
          self.right = right
class Solution:
   def delNodes(self, root: TreeNode, to delete: List[int]) ->
List[TreeNode]:
        ans = []
       self.helper(root, to delete, ans)
        if root.val not in to_delete:
           ans.append(root)
        return ans
    def helper(self,root,to delete,ans):
        if root is None:
           return
        root.left = self.helper(root.left, to delete, ans)
        root.right = self.helper(root.right, to delete, ans)
        if root.val in to_delete:
           lf = root.left
           rf = root.right
           root.left = None
           root.right = None
           if lf!=None:
                ans.append(lf)
           if rf!=None:
               ans.append(rf)
            return None
        return root
```