

Description

Solution

Discuss (999+)

Submissions

C#

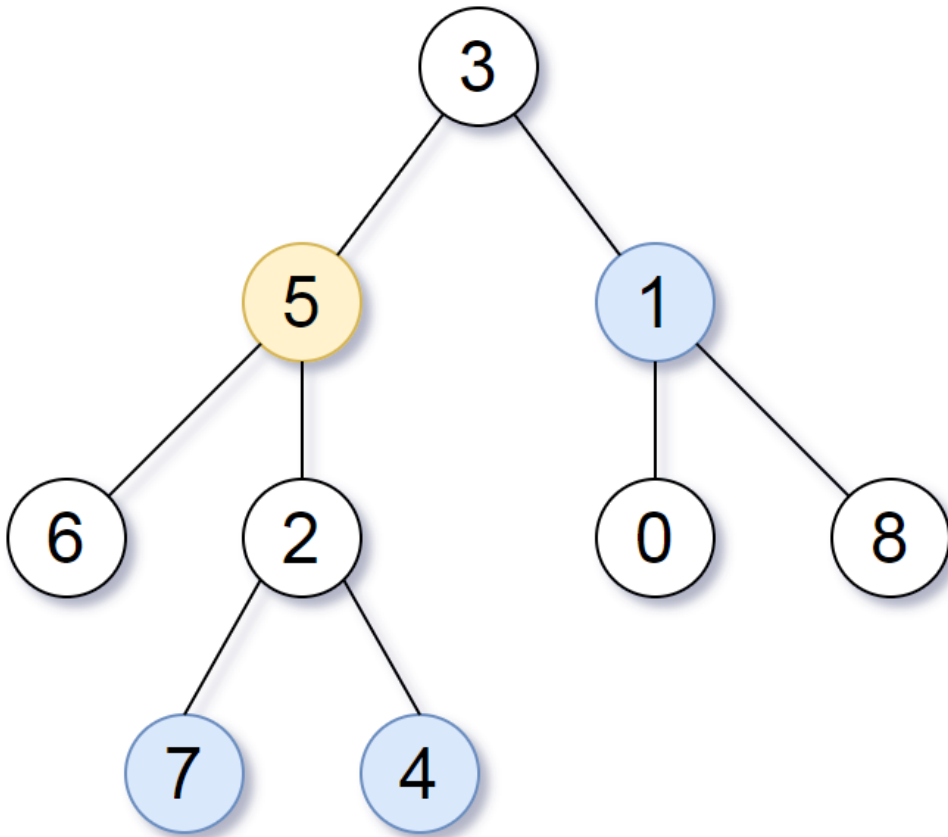
863. All Nodes Distance K in Binary Tree

Medium 5399 114 Add to List Share

Given the `root` of a binary tree, the value of a target node `target`, and an integer `k`, return an array of the values of all nodes that have a distance `k` from the target node.

You can return the answer in **any order**.

Example 1:



Input: `root = [3,5,1,6,2,0,8,null,null,7,4]`, `target = 5`, `k = 2`

Output: `[7,4,1]`

Explanation: The nodes that are a distance 2 from the target node (with value 5) have values 7, 4, and 1.

Example 2:

Input: `root = [1]`, `target = 1`, `k = 2`

```

1  /**
2   * Definition for a bin
3   * public class TreeNode
4   *     public int val;
5   *     public TreeNode
6   *     public TreeNode
7   *     public TreeNode(
8   *         val = x; }
9   */
10 public class Solution {
11     Dictionary<TreeNode
12     Dictionary<TreeNode, Tr
13     ();
14     public IList<int>
15     DistanceK(TreeNode root
16     TreeNode target, int k)
17     dfs(root, null);
18     HashSet<TreeNode
19     new HashSet<TreeNode>()
20     seen.Add(target)
21     seen.Add(null);
22     Queue<TreeNode>
23     Queue<TreeNode>();
24     int level = 0;
25     q.Enqueue(null);
26     q.Enqueue(target
    while(q.Count >
    {
        var node =

```

Testcase

Run Code Result

Runtime Error

▼ Unhandled exception.
System.NullReferenceException: Object reference not set to instance of an object.
Line 40:
Solution.DistanceK(TreeNode
TreeNode target, Int32 k) in
Solution.cs
Line 21:
__DriverSolution__.__Helper_
param_1, Int32 param_2, Int
param_3, Int32 num_repeat) i
Driver .cs

Problems

Pick One

< Prev

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Next >

Example cases

Run Code ^