

863. All Nodes Distance K in Binary Tree



Medium



10K

192

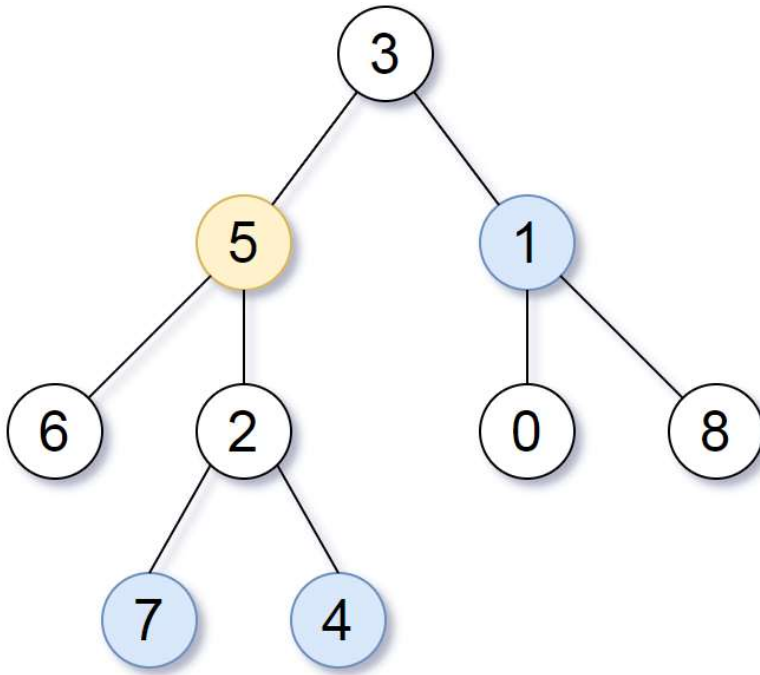


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Given the `root` of a binary tree, the value of a target node `target`, and an integer `k`, return an array of the values of all nodes that have a distance `k` from the target node.

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 = 3`

Output: `[]`

Constraints:

- The number of nodes in the tree is in the range `[1, 500]`.
- `0 <= Node.val <= 500`
- All the values `Node.val` are **unique**.
- `target` is the value of one of the nodes in the tree.
- `0 <= k <= 1000`

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Yes No

Discussion (67) 

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