Input: root = [1], k = 1
Output: 1
Explanation: The nearest leaf node is the root node itself.

Example 3:

Input: root = [1,2,3,4,null,null,null,5,null,6], k = 2
Output: 3
Explanation: The leaf node with value 3 (and not the leaf node with value 6) is nearest to the node with value 2.

The number of nodes in the tree is in the range [1, 1000].

There exist some node in the tree where Node.val == k.

Constraints:

• 1 <= Node.val <= 1000

All the values of the tree are unique.

Convert the tree to a general graph, and do a breadth-first search. Alternatively, find the closest leaf for every node on the path from root to target.