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Submissions



i Python3





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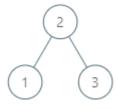




Given the root of a binary search tree and a node p in it, return the in-order successor of that node in the BST. If the given node has no in-order successor in the tree, return  $\ \mathtt{null}\ .$ 

The successor of a node p is the node with the smallest key greater than p.val.

## Example 1:

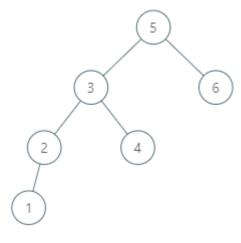


**Input:** root = [2,1,3], p = 1

Explanation: 1's in-order successor node is 2. Note that both p and the return value is of TreeNode

type.

## Example 2:



Input: root = [5,3,6,2,4,null,null,1], p = 6

Output: null

Explanation: There is no in-order successor of the current node, so the answer is null.

## **Constraints:**

≡ Problems

- The number of nodes in the tree is in the range [1, 10<sup>4</sup>].
- $-10^5 \le \text{Node.val} \le 10^5$
- All Nodes will have unique values.

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1 # Definition for a binary tree node. 2 # class TreeNode:

def \_\_init\_\_(se lf, x):

self.val = X

5 self.left = None

6 self.right = None

class Solution:

def inorderSucc essor(self, root: 'TreeNode', р: 'TreeNode')

'TreeNode':

10

https://leetcode.com/problems/inorder-successor-in-bst/

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