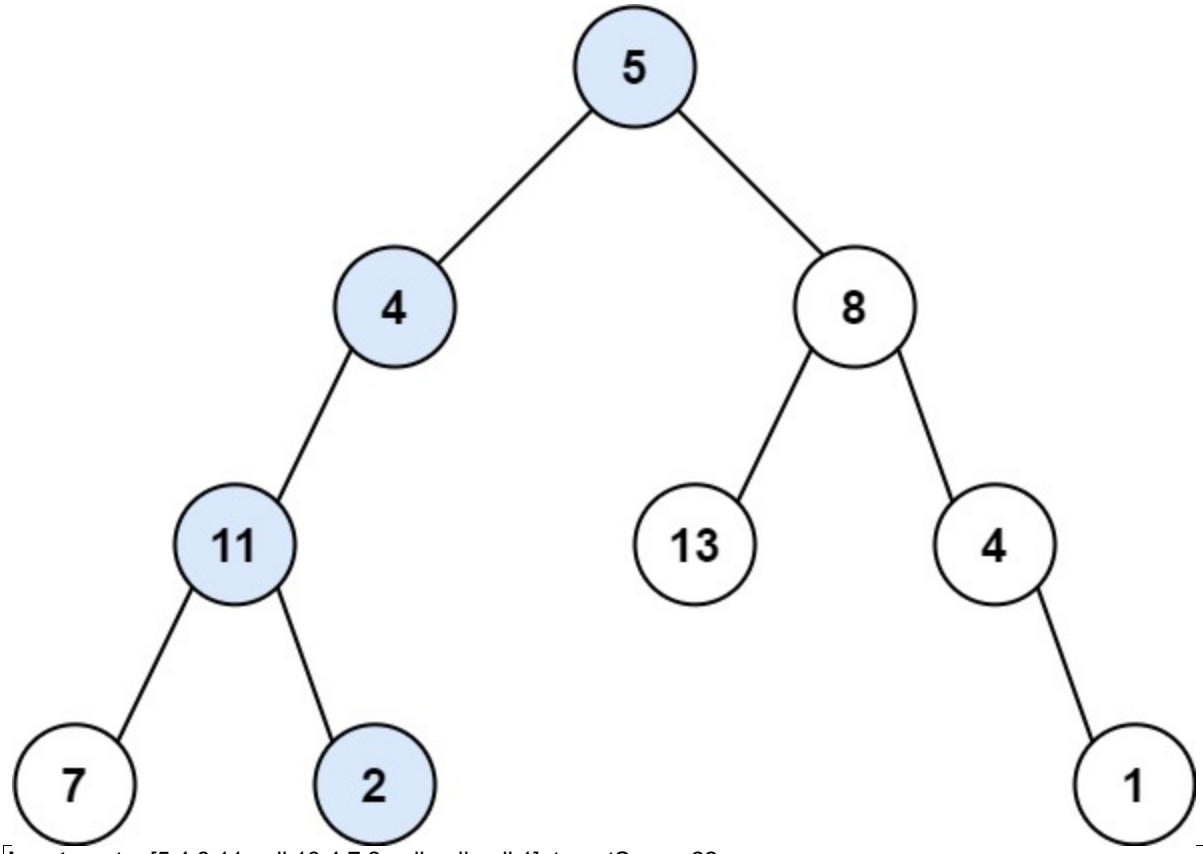
Leetcode Problem 1. (Easy)

Path Sum

Given the root of a binary tree and an integer targetSum, return true if the tree has a **root-to-leaf** path such that adding up all the values along the path equals targetSum.

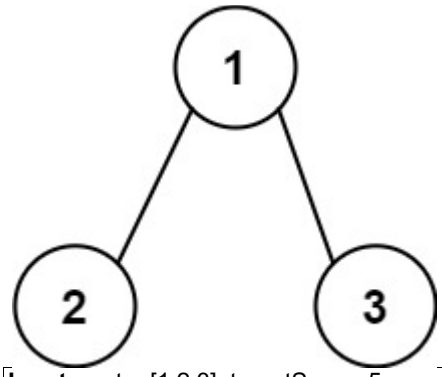
A **leaf** is a node with no children.

Example 1:



Input: root = [5,4,8,11,null,13,4,7,2,null,null,null,1], targetSum = 22
Output: true
Explanation: The root-to-leaf path with the target sum is shown.

Example 2:



Input: root = [1,2,3], targetSum = 5
Output: false
Explanation: There two root-to-leaf paths in the tree:
(1 --> 2): The sum is 3.
(1 --> 3): The sum is 4.
There is no root-to-leaf path with sum = 5.

Example 3:

Input: root = [], targetSum = 0
Output: false
Explanation: Since the tree is empty, there are no root-to-leaf paths.

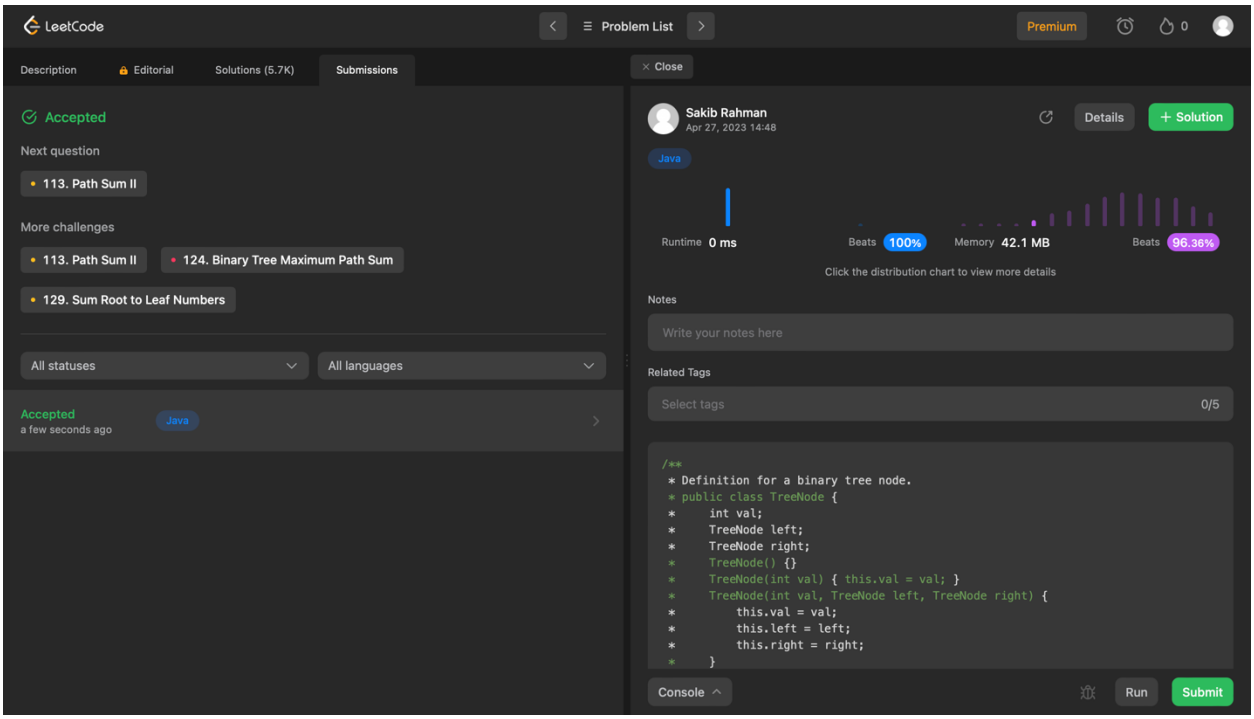
Constraints:

- The number of nodes in the tree is in the range [0, 5000].
- -1000 <= Node.val <= 1000
- -1000 <= targetSum <= 1000

Link: https://leetcode.com/problems/path-sum/

```
class Solution {
    public boolean hasPathSum(TreeNode root, int targetSum) {

    if (root == null) {
            return false;
        }
        if (root.left == null && root.right == null && root.val == targetSum)
{
            return true;
        }
        return hasPathSum(root.left, targetSum - root.val) ||
hasPathSum(root.right, targetSum - root.val);
    }
}
```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113. Path Sum II
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Apr 27, 2023 14:48
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+ Solution
Java
Runtime 0 ms
Beats 100%
Memory 42.1 MB
Beats 96.36%
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/**
* Definition for a binary tree node.
* public class TreeNode {
*   int val;
*   TreeNode left;
*   TreeNode right;
*   TreeNode() {}
*   TreeNode(int val) { this.val = val; }
*   TreeNode(int val, TreeNode left, TreeNode right) {
*   this.val = val;
*   this.left = left;
*   this.right = right;
*   }
Console
Run
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