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Question

**Editorial Solution** 

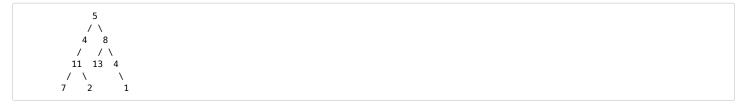
My Submissions (/problems/path-sum/submissions/)

Total Accepted: 142022 Total Submissions: 429973 Difficulty: Easy Contributors: Admin

Given a binary tree and a sum, determine if the tree has a root-to-leaf path such that adding up all the values along the path equals the given sum.

For example:

Given the below binary tree and sum = 22,



return true, as there exist a root-to-leaf path 5->4->11->2 which sum is 22.

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Top Solutions

Pick One (/problems/random-one-question/)

```
C++
                           C
                                </>
  1
      st Definition for a binary tree node.
  2
  3
      * struct TreeNode {
  4
            int val;
            TreeNode *left;
  5
  6
            TreeNode *right;
  7
            TreeNode(int x) : val(x), left(NULL), right(NULL) {}
     * };
  8
      */
 9
    class Solution {
 10
 11
    public:
         bool hasPathSum(TreeNode* root, int sum) {
 12
 13
             if(root==NULL) return false;
 14
             if(!root->left&&!root->right&&root->val==sum) return true;
15
             sum -= root->val;
             return hasPathSum(root->left,sum)||hasPathSum(root->right,sum);
 16
 17
 18 };
```

Custom Testcase

Contribute Testcase 9

Run Code

Submit Solution