**376. Binary Tree Path Sum**

中文

English

Given a binary tree, find all paths that sum of the nodes in the path equals to a given number target.

A valid path is from root node to any of the leaf nodes.

**Example**

**Example 1:**

Input:

{1,2,4,2,3}

5

Output: [[1, 2, 2],[1, 4]]

Explanation:

The tree is look like this:

1

/ \

2 4

/ \

2 3

For sum = 5 , it is obviously 1 + 2 + 2 = 1 + 4 = 5

**Example 2:**

Input:

{1,2,4,2,3}

3

Output: []

Explanation:

The tree is look like this:

1

/ \

2 4

/ \

2 3

Notice we need to find all paths from root node to leaf nodes.

1 + 2 + 2 = 5, 1 + 2 + 3 = 6, 1 + 4 = 5

There is no one satisfying it.