

257. Binary Tree Paths

题目描述： <https://leetcode.com/problems/binary-tree-paths/>

给定一棵二叉树，返回该二叉树的paths

例如：二叉树为



给出的paths为：

```
[ "1->2->5", "1->3" ]
```

解题思路：

按照DFS遍历！！用String记录当前path

代码：

```

/**
 * Definition for a binary tree node.
 * struct TreeNode {
 *     int val;
 *     TreeNode *left;
 *     TreeNode *right;
 *     TreeNode(int x) : val(x), left(NULL), right(NULL) {}
 * };
 */
class Solution {
public:
    void FindPath(TreeNode* root, string t, vector<string> &res){
        if(root->left == NULL && root->right == NULL){
            cout<<t<<endl;
            res.push_back(t);
        }
        if(root->left != NULL)
            FindPath(root->left, t+"->" + to_string(root->left->val), res);
        if(root->right != NULL)
            FindPath(root->right, t+"->" + to_string(root->right->val), res);
    }
    vector<string> binaryTreePaths(TreeNode* root) {
        vector<string> res;
        if(root == NULL)
            return res;
        FindPath(root, to_string(root->val), res);
        return res;
    }
};

```