113. Path Sum II

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• Depth-first Search + Tree

Description

Given a binary tree and a sum, find all root-to-leaf paths where each path's sum equals the given sum.

For example:

Given the below binary tree and sum = 22,

```
5
/\
4 8
//\
11 13 4
/\\
7 2 5 1
```

return

```
[
    [5,4,11,2],
    [5,8,4,5]
]
```

1. Thought line

2. Depth-first Search + Tree

```
dfsSum(res, temp, node->right, sum, tempSum);
}
public:
    vector<vector<int>> pathSum(TreeNode* root, int sum) {
        vector<vector<int>> res(0);
        dfsSum(res, {}, root, sum, 0);
        return res;
    }
};
```