

动态规划：337. 打家劫舍 III

```
1 class Solution {
2 public:
3     unordered_map <TreeNode*, int> f, g;
4
5     void dfs(TreeNode* node) {
6         if (!node) {
7             return;
8         }
9         dfs(node->left);
10        dfs(node->right);
11        f[node] = node->val + g[node->left] + g[node->right];
12        g[node] = max(f[node->left], g[node->left]) + max(f[node->right], g[node->right]);
13    }
14
15    int rob(TreeNode* root) {
16        dfs(root);
17        return max(f[root], g[root]);
18    }
19 };
```