

113. Path Sum II

[link](#)

基本的backtracking, 忘记remove的地方了

```
public List<List<Integer>> pathSum(TreeNode root, int sum) {
    List<List<Integer>> res = new ArrayList();
    if(root == null) return res;
    helper(root, sum, new ArrayList(), res);
    return res;
}

public void helper(TreeNode node, int sum, List tmp, List res){
    if(node == null) return;
    if(node.right == null && node.left == null && node.val == sum){
        tmp.add(node.val);
        res.add(new ArrayList(tmp));
//写的时候在这里忘记remove
    }else{
        tmp.add(node.val);
        helper(node.left, sum - node.val, tmp, res);
//在这里remove了
        helper(node.right, sum - node.val, tmp, res);
    }
}

//backtracking 每次一个节点的左节点和右节点都传进去后, 再remove, 两各地方都有remove写在外面
tmp.remove(tmp.size() - 1);
}
```