

687. Longest Univalue Path

[link](#)

返回值代表当前节点的最长距离, 但是不一定是最长的距离.

```
int res;
public int longestUnivaluePath(TreeNode root) {
    res = 0;
    helper(root);
    return res;
}
public int helper(TreeNode node){
    if(node == null) return 0;
    int left = helper(node.left);
    int right = helper(node.right);
    if(node.left != null && node.val == node.left.val){
        if(node.right != null && node.right.val == node.val){
            res = Math.max(res, left + right + 2);
            return Math.max(left, right) + 1;
        }
        res = Math.max(res, left + 1);
        return left + 1;
    }
    if(node.right != null && node.right.val == node.val){
        res = Math.max(res, right + 1);
        return right + 1;
    }
    return 0;
}
```