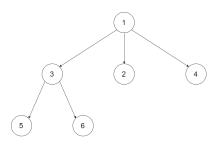
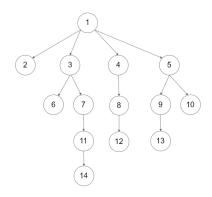


## Example 1:



Input: root = [1,null,3,2,4,null,5,6]
Output: [1,null,3,2,4,null,5,6]

## Example 2:



Input: root =

[1,null,2,3,4,5,null,null,6,7,null,8,null,9,10,null,null,11,nu Outout:

Output:

[1,null,2,3,4,5,null,null,6,7,null,8,null,9,10,null,null,11,nu

## Constraints:

- The depth of the n-ary tree is less than or equal to  $\,$  1000 .
- The total number of nodes is between [0, 10<sup>4</sup>].

Follow up: Can your solution work for the graph problem?

≡ Problems

☆ Pick One

< Prev 1490/2509 Next >

```
i C++
                  Autocomplete
                                                                 \bigcirc
  2
       // Definition for a Node.
  3
       class Node {
  4
       public:
  5
            int val;
  6
            vector<Node*> children;
  8
            Node() {}
  9
 10
            Node(int _val) {
 11
                val = _val;
 12
 13
 14
            Node(int _val, vector<Node*> _children) {
 15
                val = _val;
 16
                children = _children;
 17
 18
 19
 20
       class Solution {
 21 🔻
 22
            unordered_map<Node*, Node*> mp;
 23
 24
            Node* dfs(Node* root)
 25 🔻
 26
                if(!root)
 27
                     return NULL;
 28
                Node* curr = new Node(root->val);
 29
 30
                mp[root] = curr;
 31
                for(int i=0;i<root->children.size();i++)
 32 •
 33
                     curr->children.push_back(dfs(root-
       >children[i]));
 34
 35
                return curr;
 36
            }
 37
 38 •
            Node* cloneTree(Node* root) {
 39
                Node* curr = dfs(root);
 40
                return curr;
 41
 42
       };
                                                                   NEW
Testcase
         Run Code Result Debugger 🛅
 Accepted
              Runtime: 3 ms
               [1,null,3,2,4,null,5,6]
 Your input
               [1,null,3,2,4,null,5,6]
                                                                    Diff
 Output
               [1,null,3,2,4,null,5,6]
 Expected
            Use Example
                                 0
 Console...
                                            ▶ Run Code ^
             Testcases
```