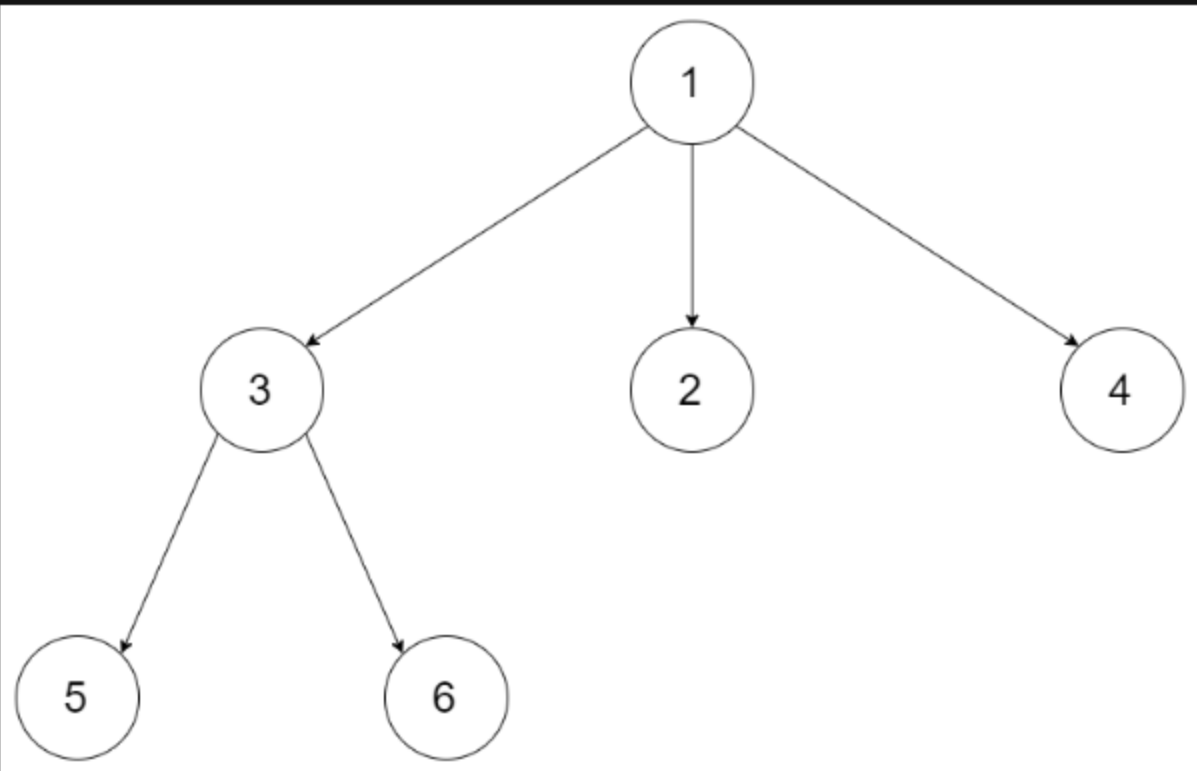# 1490. Clone N-ary Tree

## Description

Given a `root` of an N-ary tree, return a **deep copy** (clone) of the tree.

Each node in the n-ary tree contains a val ( `int` ) and a list ( `List[Node]` ) of its children.

```
class Node {
    public int val;
    public List<Node> children;
}
```
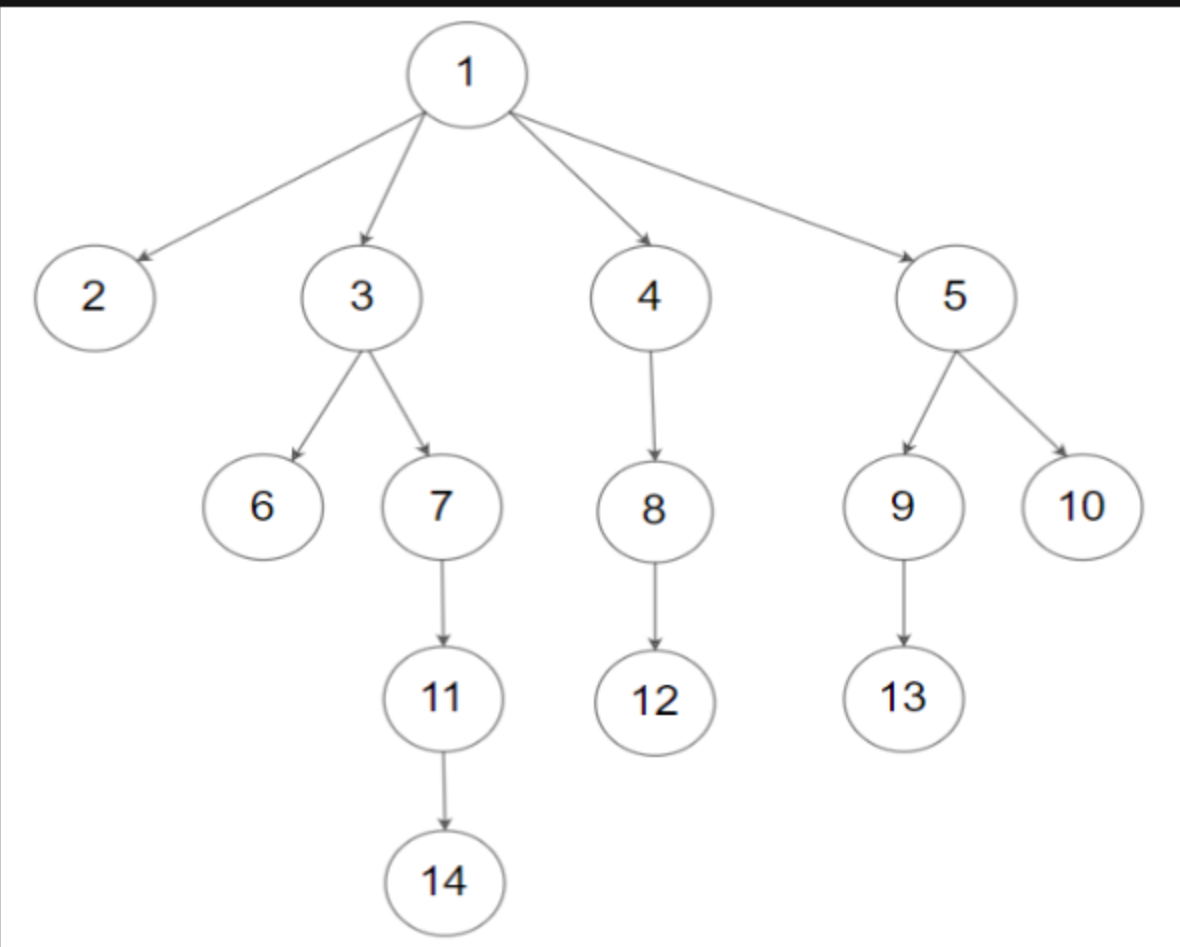
*Nary-Tree input serialization is represented in their level order traversal, each group of children is separated by the null value (See examples).*

### 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,null,12,null,13,null,null,14]
Output: [1,null,2,3,4,5,null,null,6,7,null,8,null,9,10,null,null,11,null,12,null,13,null,null,14]
```

### Constraints:

- The depth of the n-ary tree is less than or equal to `1000` .
- The total number of nodes is between `[0, 10^4]` .

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