node with only one child

```
import sys


class TreeNode:
    def __init__(self, val):
        self.data = val
        self.left = None
        self.right = None


class Pair:
    def __init__(self, level, node):
        self.level = level
        self.node = node


import collections


def nodeWithSingleChild(root, res):
    if root is None:
        return
    if root.left is None and root.right is None:
        return
    if root.left is None or root.right is None:
        res.append(root.data)
    nodeWithSingleChild(root.left, res)
    nodeWithSingleChild(root.right, res)


root = TreeNode(1)
root.left = TreeNode(2)
root.right = TreeNode(3)
root.left.left = TreeNode(4)
# root.left.right = TreeNode(5)
# root.right.left = TreeNode(6)
root.right.right = TreeNode(7)

res = []
```

```
nodeWithSingleChild(root,res)
print(res)
```