

**Problem 6:** Given two Binary Tree. Write a program to check if two trees are identical or not.

```
class Node:
```

```
    def __init__(self, value):
```

```
        self.value = value
```

```
        self.left = None
```

```
        self.right = None
```

```
def are_identical(root1, root2):
```

```
    if root1 is None and root2 is None:
```

```
        return True
```

```
    if root1 is None or root2 is None:
```

```
        return False
```

```
    if root1.value != root2.value:
```

```
        return False
```

```
    return are_identical(root1.left, root2.left) and are_identical(root1.right,  
root2.right)
```

```
tree1 = Node(1)
```

```
tree1.left = Node(2)
```

```
tree1.right = Node(3)
```

```
tree1.left.left = Node(4)
tree1.left.right = Node(5)
```

```
tree2 = Node(1)
tree2.left = Node(2)
tree2.right = Node(3)
tree2.left.left = Node(4)
tree2.left.right = Node(5)
```

```
if are_identical(tree1, tree2):
    print("The trees are identical.")
else:
    print("The trees are not identical.")
```

