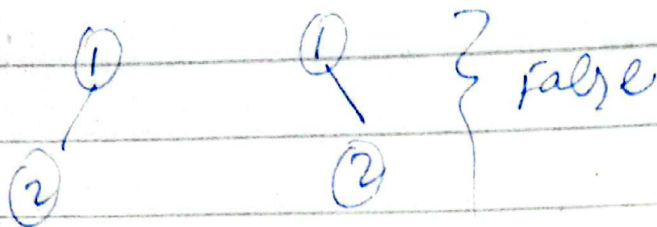
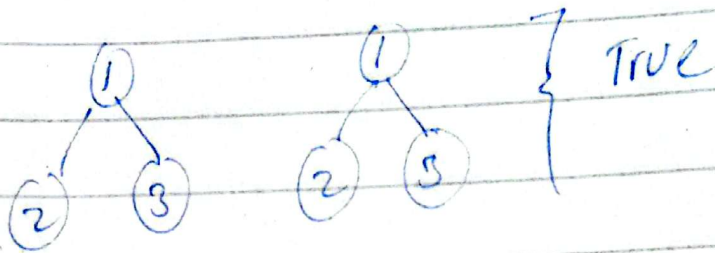


→ Identical tree (Same Tree)



Structure is not same

Pseudocode

```

bool IsIdentical(p, q) {
  if (p == NULL || q == NULL)
    return p == q

```

```

  IsLeftSame = IsIdentical(p->left, q->left)

```

```

  IsRightSame = IsIdentical(p->right, q->right)

```

```

  return IsLeftSame && IsRightSame &&

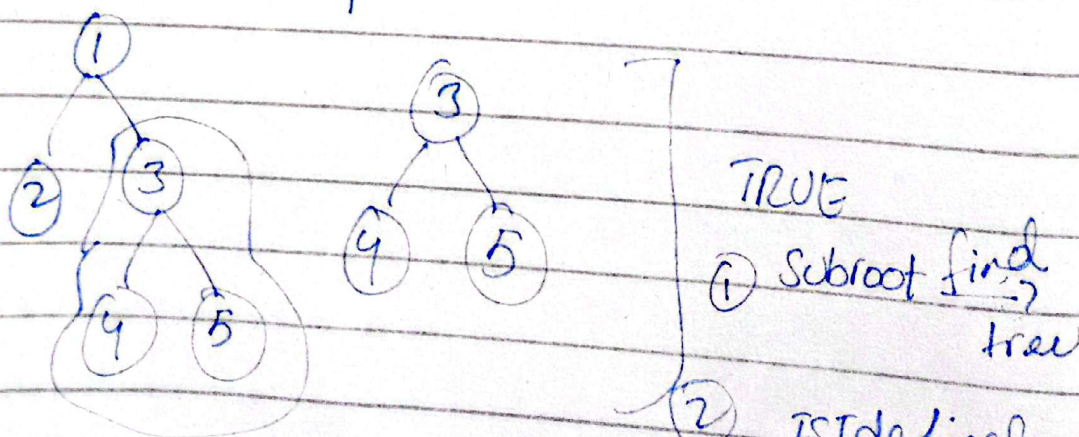
```

```

    p->val == q->val

```

→ Subtree of Another Tree



① Subroot find tree

② IsIdentical

Subroot main tree

## Pseudocode

```
bool ISSubtree(root, Subroot) {  
    if (root == NULL || Subroot == NULL)  
        return root == Subroot
```

```
    if (root->val == Subroot->val &&  
        ISIdentical(root, Subroot))  
        return true;
```

```
    return
```

```
        ISSubtree(root->left, Subroot) ||  
        ISSubtree(root->right, Subroot)
```