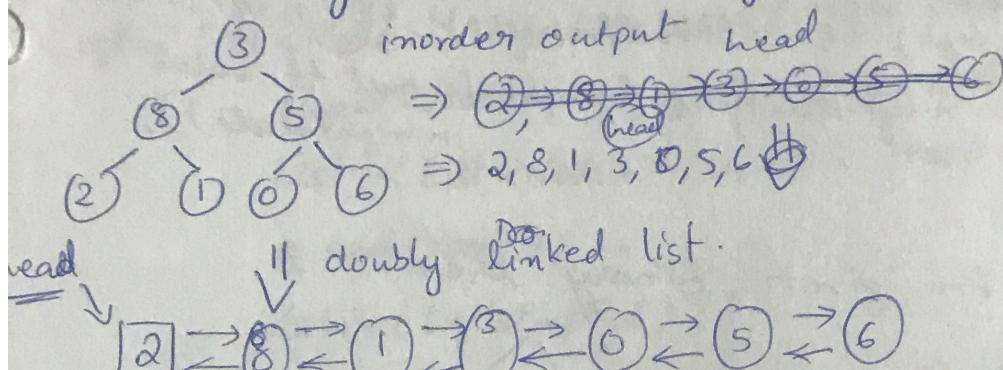


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## Binary Trees:

BT-①

- 1) Convert binary tree into doubly linked list (inorder Traversal).



Node  $n = \text{root}$ ; Node head = null;

Node prev = null;

```
void convertTODLL(Node n){
```

```
    if(n == null)
```

```
        return;
```

```
    convert to DLL(n.left);
```

new head

```
    if(head == null) // last node on left side is the head.
```

```
    if(prev == null) {prev.right = n;}
```

```
    n.left = prev; // n becomes right of last node.
```

last node becomes left of n

```
    prev = n;
```

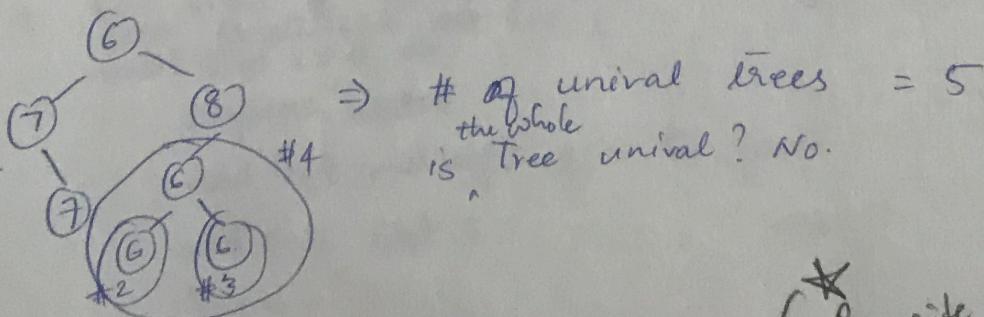
```
    convertToDLL(n.right);
```

{

- 2) check if binary tree is unival.

\* all leaf nodes are unival.

\* all child nodes of a tree have same value as root.



(★ Rewrite this and it back)