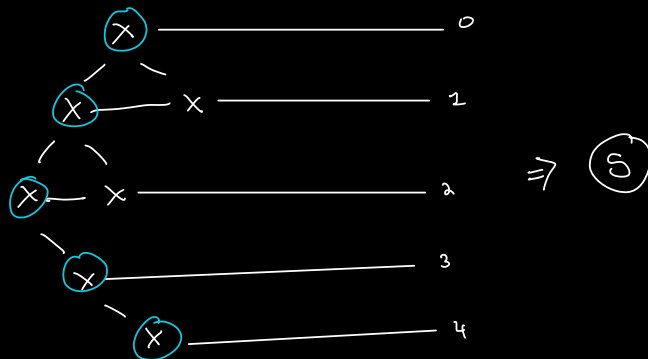
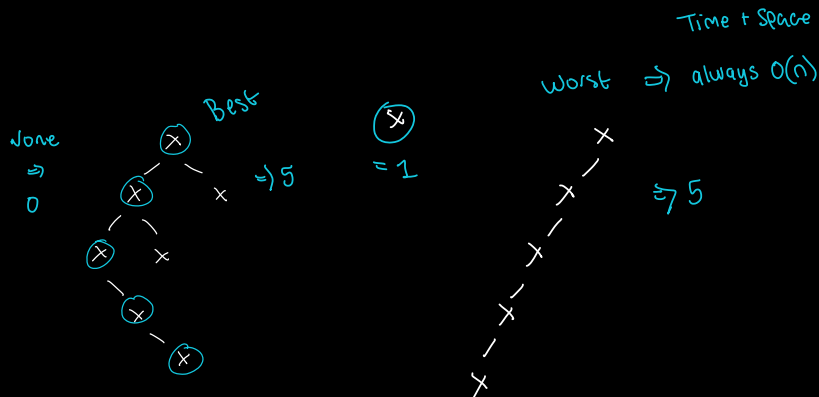


Problem: Given binary tree, find its max depth



Intro:

- Verify Constraints
- Create Testcases



Optimal:

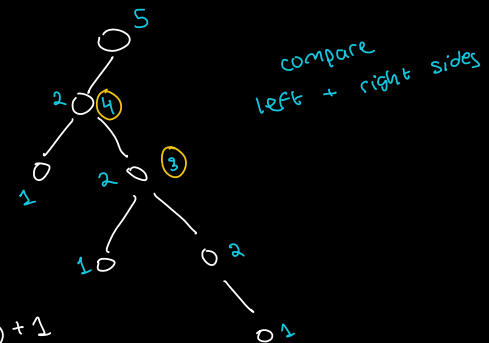
- Brainstorming & Pattern Observations

\Rightarrow use DFS - inOrder
Keep returning an int
(node, maxDepth)

if node == None:
return 0

left = dfs(node.left) + 1
right = dfs(node.right) + 1

if left < right:
return right
return left



- Pseudocode
- Write code
- Run through testcases
- Analyze time and space complexity
Time: $O(n)$
Space: $O(n)$

