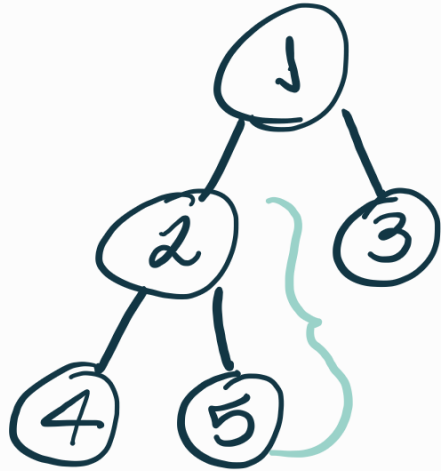


- 2) given two BTs, Root and Subroot
- ↳ Check if subroot is a subtree of root
 - ↳ for this to be considered true, node disposition and values of "Subroot" must be in the exact same format somewhere along "Root" tree structure
-

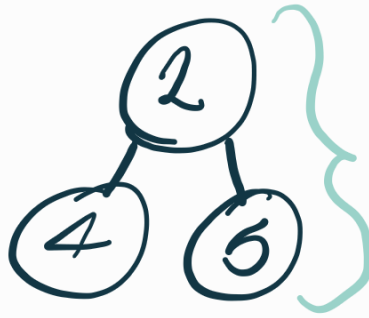
→ first of all, i can only start comparing "Root" and "Subroot" if i have found in "root" a node with same value as the root node in subroot

Scenario 1: True

Root

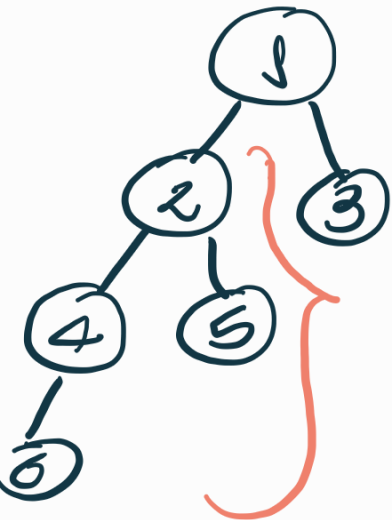


Subroot

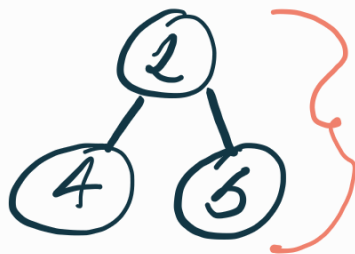


Scenario 2: False

R



S.R



→ Subroot has to be passed as param in recursion.

→ 2 types of recursion:

1. ↳ Traverse the tree

2. ↳ Compare root with subroot branches

→ if comparison of current root is false, go deeper on the tree and compare with remaining nodes

→ Search for a match and compare trees must be in two diff functions (steps)

↓ Recursion cant do both in the same layer.

→ I can search and count on the same layer but not search and compare 2 tree structures.