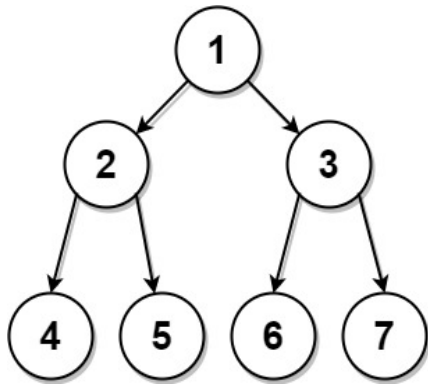


Construct Binary Tree from Preorder and Postorder Traversal

Given two integer arrays, preorder and postorder where preorder is the preorder traversal of a binary tree of **distinct** values and postorder is the postorder traversal of the same tree, reconstruct and return *the binary tree*.

If there exist multiple answers, you can **return any** of them.

Example 1:



Input: preorder = [1,2,4,5,3,6,7], postorder = [4,5,2,6,7,3,1]

Output: [1,2,3,4,5,6,7]

Example 2:

Input: preorder = [1], postorder = [1]

Output: [1]

Constraints:

- $1 \leq \text{preorder.length} \leq 30$
- $1 \leq \text{preorder}[i] \leq \text{preorder.length}$
- All the values of preorder are **unique**.
- $\text{postorder.length} == \text{preorder.length}$
- $1 \leq \text{postorder}[i] \leq \text{postorder.length}$
- All the values of postorder are **unique**.
- It is guaranteed that preorder and postorder are the preorder traversal and postorder traversal of the same binary tree.