**Construct Binary Tree from Inorder and Postorder Traversal**

**Medium**

**50**

**Given the postorder and inorder traversals of a binary tree, construct and return the binary tree.**

**Example**

**A diagram of a tree

Description automatically generated**

**Testing**

**Input Format**

**The first line contains an integer *T* denoting the number of test cases.**

**For each test case, the input has 3 lines:**

* **The first line contains an integer *n* denoting the length of the arrays.**
* **The second line contains *n* space-separated integers denoting the postorder traversal of the binary tree.**
* **The third line contains *n* space-separated integers denoting the inorder traversal of the binary tree.**

**Output Format**

**For each test case, the output has a line containing the level order traversal of the tree.**

**Sample Input**

**5**

**8**

**4 7 5 2 8 6 3 1**

**4 2 7 5 1 8 6 3**

**5**

**5 6 4 2 1**

**5 4 6 2 1**

**5**

**11 12 10 9 8**

**8 9 11 10 12**

**4**

**48 14 11 28**

**14 48 28 11**

**1**

**6**

**6**

**Expected Output**

**1 2 3 4 5 6 7 8**

**1 2 4 5 6**

**8 9 10 11 12**

**28 14 11 48**

**6**