STUDENT REPORT

DETAILS

Name

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Roll Number

23D21A05H4

EXPERIMENT

Title

PAIR REARRANGEMENT

Description

You are given two arrays arr1 & arr2 of length N, one containing integers and the other containing paired indices respectively. Your task is to rearrange the elements in the arr1 based on the paired indices specified in the array arr2. The result array should contain elements in the order specified by the indices.

Note:

- arr1 and arr2 contain distinct integers.
- use 0-based indexing

Input Format:

The input consists of three lines.

The first line contains integer N represents length of each array.

The second line consists N space separated integers denoting elements of array arr1.

The third line consists N space separated integers denoting elements of array arr2.

The input will be read from the STDIN by the candidate

Output Format:

Print an array containing the elements from arr1 rearranged based on the indices specified in arr2. The output will be matched to the candidate's output printed on the STDOUT

Constraints:

$1 <= N <= 10^5$.

$-10^9 <= arr1[i] <= 10^9$.

Sample Input:

5

10 20 30 40 50

4 2 0 3 1

Sample Output:

50 30 10 40 20

Source Code:

```
N = int(input())
arr1 = list(map(int,input().split()))
arr2 = list(map(int,input().split()))
def rearrange_pair(arr1,arr2):
    res = [0]*len(arr1)
    for i in range(len(arr2)):
        res[i] = arr1[arr2[i]]
    print(*res)
rearrange_pair(arr1,arr2)
```

RESULT

5 / 5 Test Cases Passed | 100 %