Question :

Rearrange the Student ID based on the Rank of the student.

Constraints :

1 <= N <= 10000
0 <= rank [i] <= N-1
1 <= ID [i] <= N-1

Input Description :

Number of Students in a class
Rank of the students
Student ID of the students

Output Description :

Rearrange the Student ID based on the Rank of the student.

Solution :

```
n = int(input())
r = [int(x) for x in input().split()]
h = [int(x) for x in input().split()]

arr = [0] * n
for i in range(n):
    arr[r[i]] = h[i]

print(*arr)
```

Test Cases:

Test Case 1:

Input:
4
3 1 2 0
8 3 1 2
Output:
2 3 1 8

Test Case 2:

Input:
7

0 4 5 6 1 2 3
8 3 1 2 4 5 6
Output:
8 4 5 6 3 1 2

Test Case 3:
Input:
5
0 4 2 3 1
1 2 4 5 6
Output:
1 6 4 5 2

Test Case 4:
Input:
10
0 7 8 9 5 6 4 2 3 1
1 2 4 5 6 4 5 6 3 1
Output:
1 1 6 3 5 6 4 2 4 5

Test Case 5:
Input:
9
0 7 8 5 6 4 2 3 1
1 4 5 6 4 5 6 3 1
Output:
1 1 6 3 5 6 4 4 5