

Question: [The traversal for BST]

Content:

We will give you a prefix and infix as input for a BST.
Please design a program that could output the corresponding postfix.

Input:

First line is the set of inputs N (≤ 100).

Each set of input is in only **one line**.

The first N alphabet is **prefix** and the second N alphabet is **infix**, we guarantee that there is no duplicate number.

The prefix and the infix are separated by a space.

Output:

Your program need to output the corresponding **postfix**.

Each answer is in a different line.

Sample Input:

```
3
DBACEFG ABCDEFG
BCAD CBAD
CADB DABC
```

Sample Output:

```
ACBG FED
CDAB
DBAC
```

