Longest Common Subsequence
Input File: longestcs.txt

You are given two strings, both of which are a random jumble of letters. The two strings share a few common letters here and there. Your tasks is to find the longest common subsequence in both strings. This subsequence does not need to be continuous, but must be in order relative to the other common characters.

Input:

An integer N, followed by N lines. Each of the following N lines contains two strings, separated by a space.

Output:

The longest common substring of the two strings. If there are multiple substrings of the same longest length, print the first occurring one.

Example Input:

```
3
sadkspoqe kdkjjsceoe
abcdef fedcba
apldfpaple gijapebpjkele
```

Example Output:

```
dksoe
a (could also be b, c, d, e, or f)
apple
```