A - Alphabet Replacement

Time limit : 2sec / Stack limit : 256MB / Memory limit : 256MB

Question

There are two strings: S and T. Choose the two letters x and y, which can be the same letter. Then replace all occurrences of x with y in the strings S and T. Output `'Possible'` if the letters x and y exist that make the strings S and T the same after this process is done, or `'Impossible'` if they do not.

Constrains

- $1 \leq |S| = |T| \leq 10$
- S and T consist only of lowercase English letters.

Input

Inputs are provided from standard inputs in the following form.

S
T

Output

Output `'Possible'` or `'Impossible'` in one line.

Sample Input 1

```
ababcd
babacd
```

Sample Output 1

```
Possible
```

Sample Input 2

```
abc
xyz
```

Sample Output 2

```
Impossible
```