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Sending Message

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Problem Statement

Ahnaf and Sadia love each other. Ahnaf sends sms to Sadia. But her father checks her cell phone. So Ahnaf sends sms to Sadia by adding some extra letter for avoiding unwanted situation. Sadia reads the message after dropping those letters.

For example, If Ahnaf sends “lomvned”, from that word by dropping some letters 'm', 'n' and 'd' Sadia get “love” which was original.

In this problem you are given two words **Word1** and **Word2**. Word1 is the encoded and word2 is the exact word which Ahnaf wants to send. You have to find either it's possible to make word2 from word1 or not by dropping some letters (maybe 0).

Input Format

- There are several lines of input in the input file. Each line contains two strings Word1 and Word2, separated by a blank space. Input is terminated by EOF. The strings doesn't contain any space.

Constraints

1. $1 \leq |\text{Word1}|, |\text{Word2}| \leq 10^6$; Here $||$ means length of string.

Output Format

- For each line of input you have to print either “Possible” or “Impossible” in a line. If it is possible to make Word2 from Word1 then print “Possible” otherwise print “Impossible”.

Sample Input 0

```
cealllmee callme
howareyou iloveyou
lomvned love
```

Sample Output 0

```
Possible
Impossible
Possible
```

Submissions: 202

Max Score: 20

Difficulty: Easy

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☆☆☆☆☆

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C++20



```
1 #include <cmath>
2 #include <cstdio>
3 #include <vector>
4 #include <iostream>
5 #include <algorithm>
6 using namespace std;
7
8
9 int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

Upload Code as File

☐ Test against custom input

Run Code

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