

## Binary Code

Input File: binary.txt

You are passed a string of 0s and 1s. However, this binary string passed to you is incomplete. Given the correct string, your job is to determine whether it is possible to modify the incomplete binary string to make it equal to the correct version using only two modification techniques: adding the characters "10" to the end of the string or moving the last digit of the string to the beginning. For example, you could change "011" to "01110" by adding "10" or change "011" to "101" by moving the last digit to the beginning.

Input:

An integer N, followed by N lines. Each following line contains two strings: the first is the incomplete string and the second is the complete string.

Output:

Print "Possible" if you can use a combination of adding "10" to the end of the incomplete string and moving the last digit of the incomplete string to the beginning in order to make it match the complete string. Print "Impossible" otherwise.

Example Input:

```
3
1011 1001110
111 011011101
1100 01100110
```

Example Output:

```
Impossible
Possible
Possible
```