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**Task B2. CALCULATOR GAME**

Using a pocket calculator, enter a positive integer  $K$  and press "+". The calculator still shows the number  $K$ . Then again enter the number  $K$ . After pressing the "+" key for the second time, the result is:  $K + K$ . The game goal is to obtain a number, consisting of equal digits only, by repeating this operation many times,. Write a program **calcgame** that determines whether it is possible to reach the goal.

If possible, what is the number, which consists of equal digits only and is obtained by multiple summing?

**Input**

On the standard input, a positive integer  $K$  is given.

**Output**

If reaching the goal is impossible, print "Impossible". If possible, a line of the standard output should contain two integers separated by a space: the first is the digit itself and the second is the amount of digits of the obtained number.

**Constraints**

$$1 \leq K \leq 999$$

**Examples**

**Input**

37

**Output**

1 3

**Explanation:**

$$37 + 37 + 37 = 111$$

**Input**

25

**Output**

Impossible