

## Stupid Little Monkey

### Problem description

Stupid little monkey's vocabulary is very small, every time doing English multiple choice questions made him very headache. But he found a way, and it proved to be a very efficient to get it right!

The method is described as follows: Assume that  $maxn$  is the number of occurrences of the most frequent letter in a word, and  $minn$  is the number of occurrences of the least frequent letter in a word. If  $maxn - minn$  is a prime number, the stupid little monkey thinks it is a "Lucky Word", and this word is likely to be the correct answer.

### Input

The input file contains one word in which only lowercase letters may appear and is less than 100 in length.

### Output

The output file consists of two lines. The first line is a string. If the input word is a Lucky Word, output "Lucky Word", otherwise output "No Answer".

The second line is an integer that prints the value of  $maxn - minn$  if the input word is a Lucky Word, and 0 otherwise.

### Sample Input 1

error

### Sample Output 1

Lucky Word

2

### Sample Input 2

olympic

### Sample Output 2

No Answer

0

### Hint

#### [Explanation of Sample 1]

The most frequent letter "r" in the word "error" appears three times, and the least frequent letter appears once.  $3 - 1 = 2$ , and 2 is a prime number.

#### [Explanation of Sample 2]

The most frequent letter "i" in the word olympic appears once, and the least frequent letter

appears once.  $1-1=0$ , 0 is not a prime number.