**Code**

|  |  |  |
| --- | --- | --- |
| **Time Limit:** 1000MS |  | **Memory Limit:** 30000K |
|  |  |  |

**Description**

Transmitting and memorizing information is a task that requires different coding systems for the best use of the available space. A well known system is that one where a number is associated to a character sequence. It is considered that the words are made only of small characters of the English alphabet a,b,c, ..., z (26 characters). From all these words we consider only those whose letters are in lexigraphical order (each character is smaller than the next character).   
  
The coding system works like this:   
• The words are arranged in the increasing order of their length.   
• The words with the same length are arranged in lexicographical order (the order from the dictionary).   
• We codify these words by their numbering, starting with a, as follows:   
a - 1   
b - 2   
...   
z - 26   
ab - 27   
...   
az - 51   
bc - 52   
...   
vwxyz - 83681   
...   
  
Specify for a given word if it can be codified according to this coding system. For the affirmative case specify its code.

**Input**

The only line contains a word. There are some constraints:   
• The word is maximum 10 letters length   
• The English alphabet has 26 characters.

**Output**

The output will contain the code of the given word, or 0 if the word can not be codified.

**Sample Input**

bf

**Sample Output**

55

**Source**

[Romania OI 2002](http://poj.org/searchproblem?field=source&key=Romania+OI+2002)