**Question 5 : Death Note**

**Problem Statement  :**

Ryuk, the Shinigami (God of death) had allowed Light Yagami, a school student, to kill as many people as he can by using a death note. But writing the names barely will allow other people to watch them. So he encrypts the names using digits, where a means 1, b means 2 and so on upto z is 26. Now if he gives numbers, there is a communication error because a number string can be decrypted by the death note in various ways and eventually killing them all. If everyone in the world has a unique name, for a given number, how many people can die?  
NOTE THAT: There is every possible name in the world with the 26 letters, and capital or small letters is not a problem.

**Input format:**  
A number stream denoting the first name’s encrypted version

**Output Format:**  
Number of people dying by this.

**Constraints:**  
1<=stream length<=10^8

**Sample Input:** 1267  
**Sample Output:** 3  
Output Specification:Two people of the name azg and lfg die