Problem C

LOL (Easy)

Your friend Andreas has a very good sense of humour. In fact, it is so good that he even enjoys to change words so that they will contain the substring `lol`. For example, during the 2010 FIFA World Cup in soccer he had much fun changing the word `fotball` to `fotbalol`. In order to be more efficient in his word plays, he has asked you to make a computer program that finds the minimum number of changes needed in order to transform a string into a new string containing `lol` as a substring. There are three legal ways to change a string: delete a character, insert a new character and replace an existing character with a new one.

Input specifications

The first line of the input consists of a single number T, the number of test cases. Then follows T lines, containing a string S consisting of lower case letters between `a` and `z` only.

Output specifications

For each string, output on its own line the minimum number of changes needed in order to obtain a string containing `lol` as a substring.

Notes and Constraints

- $0 < T \leq 100$
- $0 < |S| \leq 50$ (That is, the maximal string length is 50.)

Sample input	Output for sample input
4	
fotball	1
sopp	2
ingenting	3
spillolje	0