H Viceroy Studios Front Engineer Test

🕐 00:26:21
to test end

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John wants to write a love letter to his crush but is too shy to make it obvious. He decides to change all the words in the letter into palindromes. so it can only be deciphered by someone sufficiently intelligent, passionate, and lucky to boot.

To do this, he sets himself two 2 rules:
  a. He can reduce the value of a letter, e.g. he can change 'd' to 'c', but he cannot change 'c' to 'd'.
  b. In order to form a palindrome, if can repeatedly reduce the value of any of the letters of a word, but only down to the letter 'a'.

Each reduction in the value of any letter counts as a single operation. Given a function "mystery" containing a string array "letter", where letter[i] denotes a love letter. For each love letter in letter print the minimum number of operations required to convert a given string into a palindrome.

Input Format:
A function "mystery" containing a string array "letter" is given.

Output Format:
Print a single integer denoting the number of minimum operations corresponding to each love letter in a new line.

Constraints:
- $1 \leq T \leq 10$
- $1 \leq length\ of\ string \leq 10^4$
- All characters are lower case English letters.

Sample Input #00:

```
3
abc
abcba
```

```
abcd
```

Sample Output #00:

```
2
0
4
```

Explanation #00:

For the first string case, 2 operations are: ab<u>c</u> ⇒ ab<u>b</u> ⇒ ab<u>a</u>.

For the second test case, abcba is already a palindrome.

For the third test case, 4 operations are: abc<u>d</u> ⇒ abc<u>c</u> ⇒ abc<u>b</u> ⇒ abc<u>a</u> ⇒ ab<u>c</u>a ⇒ ab<u>b</u>a

YOUR ANSWER

Python 2

```python
1  #!/bin/python
2
3  import sys
4
5
6  # Complete the function below.
7
8
9  def  mystery( letter):
10
11
```

```
12
13   _letter_cnt = 0
14   _letter_cnt = int(raw_input())
15   _letter_i=0
16   _letter = []
17 ▼ while _letter_i < _letter_cnt:
18       _letter_item = raw_input()
19       _letter.append(_letter_item)
20       _letter_i+=1
21
22
23   mystery(_letter);
24
25
```

Line: 8 Col: 1

☐ Test against custom input   Run Code   Submit code & Continue

⬇ Download sample testcases   *The input/output files have Unix line endings. Do not use Notepad to edit them on windows.*

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