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## Longest palindrom

P34755\_en

Cinquè Concurs de Programació de la UPC - SemiFinal (2007-09-19)

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Two friends play a simple game: Each of them writes a string by pressing *at random* the lowercase letters of his keyboard. Afterwards, the one that has the longest palindromic substring in the string just written, wins. Implement a program to help them to decide who is the winner.

### Input

Input is a sequence of cases separated by a blank line. Every case has two lines, each with a non-empty string consisting only of lowercase letters. No line has more than 1000 characters.

### Output

For every case, print the case number and who wins the game following the sample output.

### Observation

Although the sample input is not random, the rest of input is random.

### Sample input

```
abcabcabc
banana

wasitaratisaw
aaaaaaaaazzzzzzaaxxxxxaaaaa

abcdeedcba
aaaaaaaaa
```

### Sample output

```
Case #1: The second player wins.
Case #2: The first player wins.
Case #3: Tie.
```

### Problem information

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