

B. Little Girl and Game

time limit per test: 2 seconds
 memory limit per test: 256 megabytes
 input: standard input
 output: standard output

The Little Girl loves problems on games very much. Here's one of them.

Two players have got a string S , consisting of lowercase English letters. They play a game that is described by the following rules:

- The players move in turns; In one move the player can remove an arbitrary letter from string S .
- If the player before his turn can reorder the letters in string S so as to get a palindrome, this player wins. A palindrome is a string that reads the same both ways (from left to right, and vice versa). For example, string "abba" is a palindrome and string "abc" isn't.

Determine which player will win, provided that both sides play optimally well — the one who moves first or the one who moves second.

Input

The input contains a single line, containing string S ($1 \leq |S| \leq 10^3$). String S consists of lowercase English letters.

Output

In a single line print word "First" if the first player wins (provided that both players play optimally well). Otherwise, print word "Second". Print the words without the quotes.

Examples

input
aba
output
First

input
abca
output
Second

→ Attention

Package for this problem was not updated by the problem writer or Codeforces administration after we've upgraded the judging servers. To adjust the time limit constraint, solution execution time will be multiplied by 2. For example, if your solution works for 400 ms on judging servers, then value 800 ms will be displayed and used to determine the verdict.

Codeforces Round #169 (Div. 2)

Finished

→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.



Start virtual contest

→ Problem tags

games greedy

No tag edit access

→ Contest materials

- Announcement 
- Tutorial #1 
- Tutorial #2 