

# Sorting is easy

Do you think sorting is easy?

try your luck  
in brainfuck

**For those who don't know that brainfuck is a programming language: Take a look at the [converter to C](#). It will ignore every unknown command, therefore submitting a program in any other language won't necessarily lead to compile error, but certainly not to Accepted.**

## Input

The input consists of a line of up to 1000 uppercase letters, terminated with a '\n' character (ASCII value 10).

## Output

The output should contain a line consisting of the same characters as the input line, but in non-descending order.

## Example

**Input:**  
BRAINFUCK

**Output:**  
ABCFIKNRU