

Exam Preparation – Task 1

1. Unused

Every letter wants to be used, otherwise – in today's day and age – it can sue the user for lack of diversity in their text. That means that everyone that creates text these days needs to include every letter from the English alphabet (*What, you say that the English alphabet isn't the only one out there? Well, fighting for diversity is hard, we need to start with an easy alphabet initially...*).

To help them, you are tasked with writing a program, which shows lowercase English letters which are NOT used in a certain string (sequence of letters) of lowercase English letters, ordered alphabetically.

Input

The only line of the standard input will contain a single string, i.e. a sequence of lowercase English letters in the range (**a-z**).

Output

A single line, containing a sequence of lowercase English letters (**a-z**) which are not used in the input string, ordered alphabetically.

Restrictions

The input string will contain no more than **100** symbols.

The input string will contain at least **1** symbol. The input string may have repeated symbols.

There will be at least **1** unused English letter in the input.

The total running time of your program should be no more than **0.1s**

The total memory allowed for use by your program is **16MB**

Example I/O

Input	Output
acefghijklmnopqrstuvwz	bdxy