

Problem 2 – Terrorists Win!

On de_dust2 terrorists have planted a bomb (or possibly several of them)! Write a program that sets those bombs off!

A bomb is a string in the format `|...|`. When set off, the bomb destroys all characters inside. The bomb should also destroy **n** characters to the left and right of the bomb. **n** is determined by the **bomb power** (the **last digit of the ASCII sum** of the characters inside the bomb). Destroyed characters should be replaced by '.' (dot). For example, we are given the following text:

`prepare|yo|dong`

The bomb is `|yo|`. We get the bomb power by calculating the last digit of the sum: **y** (121) + **o** (111) = 23**2**. The bomb explodes and destroys itself and **2** characters to the left and **2** characters to the right. The result is:

`prepa.....ng`

Input

The input data should be read from the console. On the first and only input line you will receive the text. The input data will always be valid and in the format described. There is no need to check it explicitly.

Output

The destroyed text should be printed on the console.

Constraints

- The length of the text will be in the range [1...1000].
- The bombs will hold a number of characters in the range [0...100].
- Bombs will not be nested (i.e. bomb inside another bomb).
- Bomb explosions will never overlap with other bombs.
- Time limit: 0.3 sec. Memory limit: 16 MB.

Examples

Input	Output
<code>prepare yo dong</code>	<code>prepa.....ng</code>

Input	Ouput
<code>de_dust2 A the best BB map!</code>	<code>de_d.....bes.....p!</code>