

1464 - Vasha Plug&Plug

Description

Vasha thinks about the meaning of life. He does this constantly, even when typing in the editor. Every time he starts brooding he can no longer fully concentrate and repeatedly presses the keys that need to be pressed only once. For example, instead of the phrase "come with me" he can type "coomme wwwith mmmeeeeee". Then, Vasha decided to automate the process of correcting such errors. He decided to write a plug-in to the text editor that will remove pairs of identical consecutive letters. Help Vasha and write the main plug-in module. Your program should remove from a string all pairs of identical letters, which are consecutive. If after the removal there appear new pairs, the program should remove them as well. Technically, its work should be equivalent to the following: while the string contains a pair of consecutive identical letters, the pair should be deleted. Note that deleting in any order leads to the same result.

Input specification

A number $T \leq 25$, the number of test cases. Each test case consists of a single line to be processed. The length of the line is from 1 to 10^4 characters inclusive. The string contains only lowercase Latin letters.

Output specification

For each test case print the given string after it is processed, one per line. It is guaranteed that the result will contain at least one character.

Sample input

```
2
coommewwwitmmmeeeee
hhoowaaaareyyoouu
```

Sample output

cewitme

wre

Hint(s)

Source	Yonny Mondelo Hernández (UCI)
Added by	ejaltuna
Addition date	2011-10-11 19:41:59.0
Time limit (ms)	3000
Test limit (ms)	1000
Memory limit (kb)	65536
Output limit (mb)	64
Size limit (bytes)	100000
Enabled languages	C C# C++ Java Pascal Perl PHP Python Ruby Text