CODEFORCES
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HOME   TOP   CATALOG   CONTESTS   GYM   PROBLEMSET   GROUPS   RATING   EDU   API   CALENDAR   HELP

PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

F. New keyboard

time limit per test: 1 second❓
memory limit per test: 256 megabytes

My father has bought a **new keyboard** and like any child, I started playing with this keyboard.

the new keyboard consists of Keys uppercase letters, lowercase letters, underscores, and two special characters '[' and ']' where (**'[' means the Home key,']' means the "End" key**).

you should know that if I press the **"Home key"** the indicator moves to the beginning of the line, and if I press the **"End key"** the indicator moves to the end of the line, and if I press any other key the letter of this key will be printed in the position of the indicator on the monitor.

I started to make a string by pressing some keys on the keyboard, If I gave you these keys that I pressed, could you show me the real string that will appear on the monitor!!

Input
There are several test cases the number of them is between 1 and 5.

Each test case containing a string S represents the keys that I pressed in the same order that I pressed them, $(1 \leq |S| \leq 10^5)$, and consists of uppercase letters, lowercase letters, underscores and two special characters '[' and ']'.

Output
For each test case, print the real string that will appear on the monitor.

Example

input	Copy
Name[My_]_Is_Mohemd [[]][][]I_Am_FrOm_AssiUt	

output	Copy
My_Name_Is_Mohemd I_Am_FrOm_AssiUt	