Problem 6 – X-Removal

You are given a sequence of **text lines**, holding only visible symbols, small and capital Latin letters. Your task is to **remove all X shapes** in the text. They may consist of small and capital letters at the same time, or any visible symbol. All of the **X shapes** below are **valid**:

a a	B B	T T	p p	& &	* *	etc.
a	B	t	P	&	*	
a a	B B	T t	p P	& &	* *	

An **X Shape** is 3 by 3 symbols crossing each other on 3 lines. A single **X shape** can be part of **multiple** X shapes. If new X Shapes are formed after the first removal **you don't have** to remove them.

Input

The input data comes as **comes from the console on a variable number of lines, ending with the keyword "END".**

Output

Print at the console the input data after removing all **X shapes**.

Constraints

- Each input line will hold between 1 and 100 Latin letters.
- The number of input lines will be in the range [1 ... 100].
- Allowed working time: 0.1 seconds. Allowed memory: 16 MB.

Examples

Input	Output
abnbjs	anjs
xoBab	xoa
Abmbh	Amh
aabab	aaa
ababvvvv	aavvvv
END	

Input	Output
8888888	888
08*8*80	00
808*888	08
0**8*8?	0*?
END	

Input	Output
^u^	u
j^l^a	jl^a
^w^WoWl	ol
adw1w6	ad16
(WdWoWgPoop)	(dogPoop)
END	

Input	Output
puoUdai	podai
miU	mi
ausupirina	aspirina
8n8i8	ni
m8o8a	moa
8l8o860	lo60
M8i8	Mi
8e8!8?!	e!?!
END	