

! Your_Typical *Programmer* **Coding Challenge**

CHALLENGE

Read a string and replace each occurrence of the letter S with the digit 1 and each occurrence of the letter pair AB with a double asterisk (**).

INPUT:

The first line of the data set is an integer that represents the number of Strings in the list. Each string is on a separate line.

OUTPUT:

Output the altered string. All letters are upper case. The output is to be formatted exactly like that for the sample output given below.

ASSUMPTIONS:

The maximum string length is 40. A string may contain non-letter characters. All letters are upper case.

SAMPLE INPUT:

```
3
STABLE
WHAT IS THIS ABOUT?
WAS THAT A SABLE OR A MINK?
```

SAMPLE OUTPUT:

```
1T**LE
WHAT I1 THI1 **OUT?
WA1 THAT A 1**LE OR A MINK?
```