1825 - Creating Passwords I

Description

Some modern systems needs the automatic generation of passwords for its users.
The users administration system of the UMCC, use a curious algorithm for that.
This algorithm is based only on the passport ID and the name of its users.
The passport ID of any user is a number of exactly six digits.
The name of any user is typically a set of words.
All words are separated by a single space.
All words have no more than 20 letters.
All words have only capital letters.

For some user, the password is a word which is generated in the following way:
The first three digits of the passport ID, the concatenation of the words in the name separated by the character '*', and the last three digits of the passport ID.

Input specification

The first line of the input is 1 <= **N** <= 1000, the number of users in the input.
In each of the **N** following lines, there is one user description (passport ID followed by the name).

Output specification

For each user, you must print one line with the password generated by the UMCC algorithm.

Sample input

```
3
346653 RITA GARCIA HERNANDEZ
463756 MANUEL GONZALEZ BRITO
633735 OLGALIDIA BROK SABALA
```

Sample output

```
346RITA*GARCIA*HERNANDEZ653
463MANUEL*GONZALEZ*BRITO756
633OLGALIDIA*BROK*SABALA735
```