

Homework

Program Name: homework.java

Input File: homework.in

Write a program to solve your little brother's math homework.

Input

The first line of input will contain a single integer n indicating the number of math problems to solve. The remainder of the input consists of those n math problems.

Each math problem is of the form:

A operator B

A and B will both be nonnegative integers in the range $0 \leq A, B \leq 1000$. Operators will be one of +, -, *.

Output

For each math problem in the input, print the solved problem to the output, where C is the solution:

A operator B = C

Example Input File

```
3
3 + 37
2 * 121
0 - 81
```

Example Output To Screen

```
3 + 37 = 40
2 * 121 = 242
0 - 81 = -81
```