## Simple Calculator

Mr. Puede is in a problem, he need your help to write down a calculator program to read the input and output the calculator result.

## Input

The input begins with the number of testcase T ( $1<=\mathrm{T}<=100$ ). Each testcase containing notation expression with maximum length 500 characters. There is only 1 digit number written in the notation expression and there is only 5 operators ( $\wedge$ */+-) in the notation expression.

## Output

Print exactly one number each testcase the result of the notation expression. Use 2 digit decimal number if the output is a fraction number. Only the final result can formed as fraction, negative or $>1$ digit number.

## Example

Input:
2
9/3+8*2
$2^{\wedge} 3 / 4+8$

## Output:

19
10

