Computer

Input file:	`standard input`
Output file:	`standard output`
Time limit:	2 seconds
Memory limit:	64 megabytes

A computer computes extremely fast.

You're given n binary operations; namely, addition, subtraction, multiplication, and division. Compute addition, subtraction, multiplication, and division.

Input

The first line contains one integer n. $(1 \leq n \leq 1,000,000)$

Then, n lines follow, each containing a binary operation. Each binary operation consists of an integer a, a character x, and another integer b. If the operation is a division, then $b \neq 0$.

Output

For each binary operation, print the result in decimal in one line. An answer with the absolute and relative error of 10^{-6} is considered correct.

Example

standard input	standard output
4 42 + 24 42 - 24 42 * 24 42 / 24	66 18 1008 1.75000000