

# Evaluate the Postfix Expression

## Assignment 1

Computer Programming

Due date: 15 January, 2020

**Problem Statement:** Given a postfix expression with numbers and 4 operators +, -, \*, and /, output the final answer.

### Input

The first line of input has T, the number of test cases. Next T lines have space separated numbers and operators. The length of each test case won't exceed  $10^5$  and each number will be between 1 and  $10^9$ , inclusive. You don't have to follow BODMAS rule, just inorder evaluation.

### Output

Print T lines, each line the answer of each test case, with 6 digit precision.

**Time Limit:** 1 sec

**Memory Limit:** 256 MB

### Sample Test Case

Input	Output
1 + 2 * 3	9.000000
1 * 2 + 3	5.000000
1 * 2 / 3	0.666667