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 10^4 and each number will be between 1 and 10^3, 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
3	9.000000
1 2 + 3 *	5.000000
1 2 * 3 +	0.666667
1 2 * 3 /	