Quite often there is substantial noise in the classroom during class. Instead of paying attention to what the teacher is saying, the students rather discuss the economic crisis or Croatia's joining the European Union.

The biggest noise often occurs when the students are idle, so teachers will give them tasks with a lot of work to calm them down. In one type of such task, the student must calculate the result of an arithmetic operation on two large numbers.

The arithmetic operations we will consider are adding and multiplication. The operands will be **powers of 10** with no more than 100 digits.

Write a program that calculates the result of the operation.

INPUT

The first line contains a positive integer A, the first operand.

The second line either the character '+' or '*', representing addition or multiplication.

The third line contains a positive integer B, the second operant.

The integers A and B will be powers of 10 and consist of at most 100 digits.

OUTPUT

Output the result of the operation.

EXAMPLES

input	input	input	input
1000	10000	10	1
*	+	+	*
100	10	1000	1000
output	**output**	**output**	**output**
100000	10010	1010	1000