

In this problem, you have to add and multiply huge numbers! These numbers are so big that you can't contain them in any ordinary data types like a long integer.

Use the power of Java's BigInteger class and solve this problem.

### Input Format

There will be two lines containing two numbers,  $a$  and  $b$ .

### Constraints

$a$  and  $b$  are non-negative integers and can have maximum 200 digits.

### Output Format

Output two lines. The first line should contain  $a + b$ , and the second line should contain  $a \times b$ . Don't print any leading zeros.

### Sample Input

```
1234
20
```

### Sample Output

```
1254
24680
```

### Explanation

$1234 + 20 = 1254$   
 $1234 \times 20 = 24680$