

Arithmetic Operators

Check [Tutorial](#) tab to know how to solve.

Task

Read two integers from STDIN and print three lines where:

1. The first line contains the sum of the two numbers.
2. The second line contains the difference of the two numbers (first - second).
3. The third line contains the product of the two numbers.

Input Format

The first line contains the first integer, a . The second line contains the second integer, b .

Constraints

$$1 \leq a \leq 10^{10}$$

$$1 \leq b \leq 10^{10}$$

Output Format

Print the three lines as explained above.

Sample Input

```
3
2
```

Sample Output

```
5
1
6
```

Explanation

$$3 + 2 \implies 5$$

$$3 - 2 \implies 1$$

$$3 * 2 \implies 6$$