Arithmetic Operators

Check Tutorial tab to know how to 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 0

```
3
2
```

Sample Output 0

```
5
1
6
```

Explanation 0

$3 + 2 \implies 5$
$3 - 2 \implies 1$
$3 * 2 \implies 6$