

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 0

```
3
2
```

Sample Output 0

```
5
1
6
```

Explanation 0

$$\begin{aligned} 3 + 2 &\implies 5 \\ 3 - 2 &\implies 1 \\ 3 * 2 &\implies 6 \end{aligned}$$