

Problems 1: Calculate A and B

Given two integer A and B.

You must calculate:

A+B

A-B

A*B

Input

Two integer A and B.

Output

First line, write value of (A + B).

Second line, write value of (A - B).

Third line, write value of (A*B).

- |A|,|B| $\leq 10^9$

Example

Input:

10 8

Output:

18

2

80