

Problem A. Determinant

Time limit 2000 ms

Mem limit 1048576 kB

Problem Statement

Given is a 2×2 matrix $A = \begin{bmatrix} a & b \\ c & d \end{bmatrix}$.

The determinant of A can be found as $ad - bc$.

Find it.

Constraints

- All values in input are integers.
- $-100 \leq a, b, c, d \leq 100$

Input

Input is given from Standard Input in the following format:

```
a b  
c d
```

Output

Print the answer as an integer.

Sample 1

Input	Output
1 2 3 4	-2

The determinant of $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$ is $1 \times 4 - 2 \times 3 = -2$.

Sample 2

Input	Output
0 -1 1 0	1

Sample 3

Input	Output
100 100 100 100	0