

Task: MUL

Multiplix



AACPP SuSe 2024

Round 0

Memory limit: 1MB

2024.03.01 – 2024.04.15

The year is 50 BC. Gaul is entirely occupied by the Romans. Well, not entirely... one small village of indomitable Gauls still holds out against the invaders.

At the village gate stand the two vigilant guards, Spoterix and Multiplix. Their job is to warn against any Romans they spot in the distance. The alert system they devised is unorthodox, but it works for them. Spoterix spots incoming armies and shouts two numbers r and c , describing how many rows and columns of Romans he spotted, respectively. While Spoterix has a keen eye, he's really bad at math, therefore it's Multiplix's job to figure out **how many individual soldiers have been spotted**.

Input

In the first and only line of standard input there are two integers r and c , describing Spoterix's report.

Output

Your program should write a single line to standard output containing Multiplix's answer to how many soldiers have been spotted by Spoterix.

Example

For the input:

```
7 13
```

the correct output is:

```
91
```

Limits

Tests are divided into subtasks with the following limits and points awarded.

Subtask	Limits	Points
1.	$1 \leq r, c \leq 10^4$	3
2.	$1 \leq r, c \leq 10^9$	7