

A. Theatre Square

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

Theatre Square in the capital city of Berland has a rectangular shape with the size $n \times m$ meters. On the occasion of the city's anniversary, a decision was taken to pave the Square with square granite flagstones. Each flagstone is of the size $a \times a$.

What is the least number of flagstones needed to pave the Square? It's allowed to cover the surface larger than the Theatre Square, but the Square has to be covered. It's not allowed to break the flagstones. The sides of flagstones should be parallel to the sides of the Square.

Input

The input contains three positive integer numbers in the first line: n , m and a ($1 \leq n, m, a \leq 10^9$).

Output

Write the needed number of flagstones.

Examples

| input |
|--------|
| 6 6 4 |
| output |
| 4 |

Codeforces Beta Round #1

Finished

Practice



→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Clone Contest to Mashup

You can clone this contest to a mashup.

Clone Contest

→ Submit?

Language: GNU GCC C11 5.1.0

Choose file: Choose File No file chosen

Submit

→ Last submissions

| Submission | Time | Verdict |
|--------------------------|-------------------|----------|
| 51722822 | Mar/22/2019 20:47 | Accepted |

→ Problem tags

math *1300

No tag edit access

→ Contest materials

- Announcement #1 (en) ✕
- Announcement #2 (ru) ✕
- Tutorial #1 (en) ✕
- Tutorial #2 (ru) ✕
- Tutorial #3 (en) ✕
- Tutorial #4 (ru) ✕

