



→ Submit?

Language:

Choose

GNU G++17 7.3.0

Submit

Choose File No file chosen

HOME TOP CATALOG CONTESTS GYM PROBLEMSET GROUPS RATING EDU API CALENDAR HELP

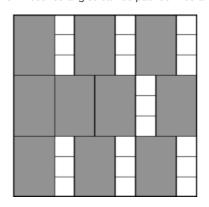
STEP 1 STEP 2 STEP 3 STEP 4 STEP 5 | THEORY PRACTICE | SUBMIT SUBMISSIONS HACKS STANDINGS CUSTOM INVOCATION

ITMO Academy: pilot course » Binary Search » Step 2 » Practice

A. Packing Rectangles

time limit per test: 2 seconds¹ memory limit per test: 512 megabytes

There are n rectangles of the same size: w in width and h in length. It is required to find a square of the smallest size into which these rectangles can be packed. Rectangles cannot be rotated.



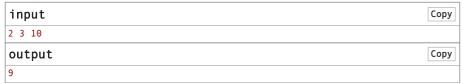
Input

The input contains three integers w, h, n ($1 \le w$, h, $n \le 10^9$).

Output

Output the minimum length of a side of a square, into which the given rectangles can be packed.

Example



Codeforces (c) Copyright 2010-2025 Mike Mirzayanov The only programming contests Web 2.0 platform Server time: Jul/07/2025 14:43:38^{UTC+5.5} (j1). Desktop version, switch to mobile version. Privacy Policy | Terms and Conditions

Supported by



