Equal Modulo

oj.dcs.upd.edu.ph/problem/equalmodulo

Submit solution
Points: 200 (partial)

Time limit: 4.0s

Memory limit: 1G

Author:
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Problem type

Allowed languages

~~NONE~~, py3

Problem Statement

One CS 11 class has aa students, while the other CS 11 class has bb students.

Sir Jem decides to divide the students in each class into groups of cc students. He then found out that in both classes, the same number of students were left over!

Could this scenario have happened?

Task Details

Your task is to implement a function named `equal_modulo`, which should look like this:

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```
def equal_modulo(a, b, c):
    return ...
```

Here, you only need to replace the `...` part with a **Python expression**.

The function must return a `bool` denoting the answer.

Your source code must have at most 7575 bytes.

Examples

Example 1 Function Call

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```
equal_modulo(23, 26, 3)
```

Example 1 Return Value

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```
True
```

Example 2 Function Call

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```
equal_modulo(1, 2, 3)
```

Example 2 Return Value

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```
False
```

Constraints

- The function `equal_modulo` will be called at most 10410^4 times.
- $1 \leq a,b,c \leq 10501 \leq a , b , c \leq 10^{50}$

Scoring

Note: New tests may be added and all submissions may be rejudged at a later time. (All future tests will satisfy the constraints.)

- You get 5050 ❤️ points if you solve all test cases where:
  - $1 \leq a,b,c \leq 21 \leq a , b , c \leq 2$
- You get 5050 ❤️ points if you solve all test cases where:
  - $c=2c = 2$
- You get 100100 ❤️ points if you solve all test cases.

Report an issue

Clarifications

No clarifications have been made at this time.