

Pigeonhole - DCS Online Judge

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

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Points: 200 (partial)

Time limit: 4.0s

Memory limit: 1G

Author:

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Problem type

Allowed languages

NONE, py3

Problem Statement

You are putting Pokémon in your PC boxes. If you have pp Pokémon and bb boxes, is it always the case that some box will contain **at least** ll Pokémon, no matter how you distribute them among the boxes?

Assume that a PC box can hold an infinite number of Pokémon.

Task Details

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

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```
def pigeonhole(p, b, l):  
    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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```
pigeonhole(2, 2, 1)
```

Example 1 Return Value

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```
True
```

Example 2 Function Call

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```
pigeonhole(1, 10, 2)
```

Example 2 Return Value

Copy

```
False
```

Constraints

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

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:
 - $b=7, l=3$
- You get 5050 ❤️ points if you solve all test cases where:
 - $b=7$

- $l \leq 100, l \leq 100$
- You get 5050 ❤️ points if you solve all test cases where:
 - $b, l \leq 100, b, l \leq 100$
- You get 5050 ❤️ points if you solve all test cases.

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Clarifications

No clarifications have been made at this time.