On Either Axis

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

Problem Statement

Retinazer shoots a laser beam that passes through the entire xx-axis, while Spazmatism breathes columns of fire that engulf the entire yy-axis.

If you are currently on the point (a,b) (a , b) , will you be hit by either of their attacks?

Task Details

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

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```
def on_either_axis(a, b):
    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 100100 bytes.

Examples

Example 1 Function Call

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```
on_either_axis(1, 0)
```

Example 1 Return Value

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```
True
```

Example 2 Function Call

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```
on_either_axis(20, 25)
```

Example 2 Return Value

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```
False
```

Constraints

- The function `on_either_axis` will be called at most 10410^4 times.
- $-1050 \le a,b \le 1050$ $-10^{50} \le a, b \le 10^{50}$

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:
  - $0 \le a,b \le 10$ $0 \le a, b \le 1$
- You get 5050 ❤️ points if you solve all test cases where:
  - You are not on the origin.
- You get 100100 ❤️ points if you solve all test cases.

Report an issue

Clarifications

No clarifications have been made at this time.