Symmetric - DCS Online Judge

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

[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

You decide to draw a character on the whiteboard. Your friend also draws a character on the whiteboard. Are the characters you both drew symmetric to each other?

By the way, for some reason, you decided to draw one of the characters (, [, or {, while your friend decided to draw one of the characters),], or }.

Task Details

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

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```
def symmetric(your_drawing, friend_drawing):
    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 500500 bytes.

Examples

Example 1 Function Call

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```
symmetric("(", ")")
```

Example 1 Return Value

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```
True
```

Example 2 Function Call

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```
symmetric("(", "}")
```

Example 2 Return Value

Copy

```
False
```

Constraints

- The function `symmetric` will be called at most 10410^4 times.
- `your_drawing` is one of `"("`, `"["`, or `"{"`.
- `friend_drawing` is one of `")"`, `"]"`, or `"}"`.

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:
  - You drew a `(`.
- You get 5050 ❤️ points if you solve all test cases where:
  - You did not draw a `{`, and your friend did not draw a `}`.
- You get 100100 ❤️ points if you solve all test cases.

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Clarifications

No clarifications have been made at this time.