Tic Tac Toe - DCS Online Judge

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

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 are given the state of a 3×3 tic-tac-toe grid during a game, or after a game ends. Did the player using `O` win the game?

Task Details

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

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```
def o_wins(grid):
    return ...
```

Here, `grid` is a `tuple` of three strings, where each string has exactly three characters ("cells"). Each character is either `X`, `O` or `.`, where a `.` means the cell wasn't played in.

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 10001000 bytes.

Examples

Example 1 Function Call

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```
o_wins(("OXO", "XOX", "OXO"))
```

Example 1 Return Value

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```
True
```

Example 2 Function Call

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```
o_wins(("OXX", "OXO", "XXO"))
```

Example 2 Return Value

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```
False
```

Constraints

- The function `o_wins` will be called at most 10410^4 times.
- All cells of the grid are either `X`, `O` or `.`.
- The grid is guaranteed to have come from a valid tic-tac-toe game, with either `X` or `O` being played first.
- At most one player will have won at the end.

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 200200 ❤️ points if you solve all test cases.

Report an issue

Clarifications

No clarifications have been made at this time.