[CS 11] Prac 0g – The 50th Battle of Kaguya and Yuzuru

oj.dcs.upd.edu.ph/problem/cs11prac0g

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Points: 100 (partial)

Time limit: 4.0s

Memory limit: 1G

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Problem type

Allowed languages

~~NONE~~, py3

Problem Statement

The 50th battle of Kaguya and Yuzuru is underway.

In this battle, Kaguya and Yuzuru each picks a number. If Kaguya's number is divisible by Yuzuru's number, Kaguya gets one point. If Yuzuru's number is divisible by Kaguya's number, Yuzuru gets one point. The winner is the player with more points.

Who wins? If the battle ends in a tie, say so.

Task Details

Your task is to implement a function called `winner`. This function has two parameters, both `int`s, the first of which is Kaguya's chosen number, the second Yuzuru's chosen number.

The function must return a `str`. It must return `"Kaguya wins!"` if Kaguya wins, `"Yuzuru wins!"` if Yuzuru wins, and `"It's a tie."` if it's a tie.

Example Calls

Example 1 Function Call

Copy

```
winner(10, 5)
```

Example 1 Return Value

Copy

```
"Kaguya wins!"
```

Example 2 Function Call

Copy

```
winner(10, 50)
```

Example 2 Return Value

Copy

```
"Yuzuru wins!"
```

Example 3 Function Call

Copy

```
winner(69, 420)
```

Example 3 Return Value

Copy

```
"It's a tie."
```

Constraints

When the program is run:

- The function `winner` will be called at most 1,0001,000 times.
- In each function call, each argument will be a positive integer at most 1020 10^{20}.

Scoring

- You get 5050 ❤️ points if you solve all test cases where each argument is at most 500500.
- You get 5050 ❤️ points if you solve all test cases.

Thus, you can earn up to 100100 points from this problem.
Report an issue

Clarifications

No clarifications have been made at this time.