[CS 11 25.1] Lab 3e – Aquarium

Cheatsheet is available here: https://oj.dcs.upd.edu.ph/cs11cheatsheet/

Problem Statement

You are feeling lonely, so you decide to get some pet fish. This is a fish:

```
<^^)))><
```

Note that this is a fish facing left. Fish may also face right.

Given your aquarium, how many fish are in it?

Task Details

Your task is to implement a function named `num_fish_row`, which should have the following *signature*:

```
def num_fish_row(aquarium):
```

The above says that it has one argument `aquarium`. This is a string (`str`) that starts and ends with `|`.

The function must return an integer (`int`) denoting the number of fish in your aquarium.

Restrictions

- The following symbols can now be used: `list`, `set`, `dict`, `enumerate`, `append`, `pop`, `extend`, `remove`, `sort`, `sorted`, `insert`, `clear`, `reverse`, `reversed`.
- Loops are allowed.
- Recursion is *disallowed*.
- Comprehensions are *disallowed*.
- Your source code must have at most $1{,}200$ bytes.

Examples

Example 1 Function Call

```
num_fish_row("|   <^^)))><        |")
```

Example 1 Return Value

```
1
```

Example 2 Function Call

```
num_fish_row("| ><(((^^>  <^^)))><  _()_ |")
```

Example 2 Return Value

```
2
```

Constraints

- The function `num_fish_row` will be called at most 100 times.
- `aquarium` is a string of printable ASCII characters with length at most 100.
- `aquarium` starts and ends with `|`.

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 30 ❤️ points if you solve all test cases where:
  - All fish are facing left.
  - The aquarium only contains fish.
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  - All fish are facing left.
- You get 30 ❤️ points if you solve all test cases where:
  - The aquarium only contains fish.
- You get 100 🔴 points if you solve all test cases.

Clarifications

Report an issue

No clarifications have been made at this time.

Submit solution [CS 11 25.1] Lab Exercise 3

My submissions

Points: 190 (partial)
Time limit: 4.0s
Memory limit: 2G

Problem type

Allowed languages
py3