[CS 11] Prac 4e – Ako Ang Nagwagi

Problem Statement

Every year, someone wins PogChamps, the most prestigious tournament in the history of the world.

Given the sequence of everyone who has won so far, determine the length of the **longest winning streak**, that is, the maximum number of times a person has won the tournament consecutively.

Task Details

Your task is to implement a function called `longest_winning_streak`. This function has a single parameter:

- `winners` — a `tuple` of `str`s denoting the sequence of winners of the tournament in chronological orrder.

The function must return an `int` denoting the length of the longest winning streak.

Restrictions

- Recursion is allowed.
- Up to 8 function definitions are allowed.
- Comprehensions are allowed.
- `range` is allowed.
- The symbols `min`, `max`, `sum` and `sorted` are allowed.
- The source code limit is 550.

Example Calls

Example 1 Function Call

```
longest_winning_streak((
        'charlie',
        'charlie',
        'xqc',
        'xqc',
        'charlie',
        'charlie',
        'charlie',
        'charlie',
        'xqc',
        'xqc',
        'charlie',
        'charlie',
    ))
```

Example 1 Return Value

```
4
```

Example 2 Function Call

```
longest_winning_streak((
        'magnus',
        'xqc',
        'magnus',
        'magnus',
        'charlie',
        'charlie',
        'charlie',
        'magnus',
        'xqc',
        'magnus',
        'magnus',
        'charlie',
        'magnus',
    ))
```

Example 2 Return Value

```
3
```

Constraints

- The function `longest_winning_streak` will be called at most 200 times.
- `winners` is nonempty.
- The total length of input is at most $150{,}000$.
- Each name is nonempty and consists of at most 7 lowercase English letters.

Scoring

- You get 100 ❤️ points if you solve all test cases where:
  - `winners` has at most 40 elements.
  - there are at most two distinct winners.
- You get 50 ❤️ points if you solve all test cases where:
  - `winners` has at most 40 elements.
  - there is a unique longest streak.
- You get 50 ❤️ points if you solve all test cases where:
  - `winners` has at most 40 elements.
- You get 50 ❤️ points if you solve all test cases.

Submit solution

My submissions

Points: 250 (partial)
Time limit: 4.0s
Memory limit: 1G

Author:
kvatienza (Kevin Atienza)

Problem type

Allowed languages
~~NONE~~, py3

Clarifications

Report an issue

No clarifications have been made at this time.