# [CS 11] Prac 5j – Longest Streak

## Problem Statement

Given a sequence of strings, find the length of the longest streak of consecutive equal elements.

## Task Details

Implement a function called `longest_streak`:

```
def longest_streak(names):
```

- `names` — `tuple` of `str`s

Return an `int`.

## Restrictions

For this problem:

- Loops and lists are allowed.
- Additional functions are **disallowed**.
- Recursion is **disallowed**. (The recursion limit has been greatly reduced.)
- Comprehensions are **disallowed**.
- The following names are now allowed: `range`, `list`, `print`, `append`, `pop`, `extend`, `remove`, `sort`, `insert`, `clear`, `reverse`.
- The source code limit is $350$.

## Example Calls

### Example 1 Function Call

```
longest_streak((
        'charlie',
        'charlie',
        'xqc',
        'xqc',
        'charlie',
        'charlie',
        'charlie',
    ))
```

### Example 1 Return Value

```
4
```

### Example 2 Function Call

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

### Example 2 Return Value

```
3
```

## Constraints

- The function `longest_streak` will be called at most $50{,}000$ times.
- The total length of `names` across all inputs will be will be at most $200{,}000$.
- `names` will have at most $100{,}000$ elements.
- Each name is a nonempty string of between $1$ and $7$ lowercase letters.

## Scoring

- You get $80$ ❤️ points if you solve all test cases where:
  - `names` will have at most $4{,}000$ elements.
  - the total length of `names` across all inputs will be will be at most $8{,}000$.
- You get $40$ ❤️ points if you solve all test cases.

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## Clarifications

Report an issue

No clarifications have been made at this time.

Submit solution [CS 11] Practice 5 ❤️

My submissions ❤️

**Points:** 120 (partial)
**Time limit:** 6.0s
**Memory limit:** 1G

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**Problem type**

**Allowed languages**
~~NONE~~, py3