[CS 11] Prac 5i – Uniquify

Problem Statement

Given a sequence of strings, output it as a list, but with matching consecutive elements combined into just a single element.

Task Details

Implement a function called `uniquify`:

```
def uniquify(seq):
```

- `seq` — `tuple` of `str`s

Return a `list` of `str`s.

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

```
uniquify((
    'hi',
    'hello',
    'hello',
    'hi',
    'hi',
    'hi',
    'hey',
    'hoy',
    'hoy',
    'hi',
    'hello',
    'hello',
))
```

Example 1 Return Value

```
[
    'hi',
    'hello',
    'hi',
    'hey',
    'hoy',
    'hi',
    'hello',
]
```

Constraints

- The function `uniquify` will be called at most $50{,}000$ times.
- The total length of `seq` across all inputs will be will be at most $200{,}000$.
- `seq` will have at most $100{,}000$ elements.
- Each string is composed of between 1 and 5 lowercase letters.

Scoring

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

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

Clarifications

Report an issue

No clarifications have been made at this time.