[CS 11] Prac 3i – I know some of these words

oj.dcs.upd.edu.ph/problem/cs11prac3i

Submit solution
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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

Deepak is on stage right now explaining the amazing power of quantum healing. Deepak uses lots of deep words to woo the audience—surely, anyone who hears these words will think that this guy really knows what he is talking about.

However, you are unimpressed. You know your math, and you immediately recognized that he's simply using lots of buzz words, and he constantly misuses them.

You have a list of buzz words, as well as Deepak's speech. Which buzz words appeared in the speech?

We say that a buzz word appears in the speech if it is a *substring* of the speech.

Task Details

Your task is to implement a function called `used_buzz_words`. This function has two parameters `buzz_words` and `speech`:

- `buzz_words` is a `tuple` of `str`s representing the buzz words.

- `speech` is a `str` denoting the speech.

The function must return a `tuple` of `str`s denoting the buzz words that appear in the speech, in the same order they appear in `buzz_words`.

Restrictions

For this problem:

- Recursion is **disallowed**.
- Additional functions are **disallowed**.
- Comprehensions are allowed.
- The `range`, `min`, `max`, and `sum` symbols are allowed.
- The source code limit is 250250.

Example Calls

Example 1 Function Call

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```
used_buzz_words((
        'quantum',
        'scheme',
        'stack',
        'cohomology',
        'qubits',
        'grassmannian',
        'nullstellensatz',
    ),
    'quantum cellular homology not a mistacke qubitscheme
quantumhealing quantum quantum woohoo',
)
```

Example 1 Return Value

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```
('quantum', 'scheme', 'stack', 'qubits')
```

Constraints

- The function `used_buzz_words` will be called at most 200200 times.
- There will be at most 2020 buzz words.

- The buzz words are distinct.
- Each buzz word is between 11 and 2020 characters long and consists of lowercase letters.
- The expression is at most 200200 characters long and consists of lowercase letters or spaces.

Scoring

- You get 100100 ❤️ points if you solve all test cases.

Report an issue

Clarifications

No clarifications have been made at this time.