1967. Number of Strings That Appear as Substrings in Word

Description

Given an array of strings `patterns` and a string `word`, return *the* ***number*** *of strings in* `patterns` *that exist as a* ***substring*** *in* `word`.

A **substring** is a contiguous sequence of characters within a string.

Example 1:

```
Input: patterns = ["a","abc","bc","d"], word = "abc"
Output: 3
Explanation:
- "a" appears as a substring in "abc".
- "abc" appears as a substring in "abc".
- "bc" appears as a substring in "abc".
- "d" does not appear as a substring in "abc".
3 of the strings in patterns appear as a substring in word.
```

Example 2:

```
Input: patterns = ["a","b","c"], word = "aaaaabbbbb"
Output: 2
Explanation:
- "a" appears as a substring in "aaaaabbbbb".
- "b" appears as a substring in "aaaaabbbbb".
- "c" does not appear as a substring in "aaaaabbbbb".
2 of the strings in patterns appear as a substring in word.
```

Example 3:

```
Input: patterns = ["a","a","a"], word = "ab"
Output: 3
Explanation: Each of the patterns appears as a substring in word "ab".
```

Constraints:

- `1 <= patterns.length <= 100`
- `1 <= patterns[i].length <= 100`
- `1 <= word.length <= 100`
- `patterns[i]` and `word` consist of lowercase English letters.