2047. Number of Valid Words in a Sentence

Description

A sentence consists of lowercase letters (`'a'` to `'z'`), digits (`'0'` to `'9'`), hyphens (`'-'`), punctuation marks (`'!'` , `'.'` , and `','`), and spaces (`' '`) only. Each sentence can be broken down into **one or more tokens** separated by one or more spaces `' '` .

A token is a valid word if **all three** of the following are true:

- It only contains lowercase letters, hyphens, and/or punctuation (**no** digits).
- There is **at most one** hyphen `'-'` . If present, it **must** be surrounded by lowercase characters (`"a-b"` is valid, but `"-ab"` and `"ab-"` are not valid).
- There is **at most one** punctuation mark. If present, it **must** be at the **end** of the token (`"ab,"` , `"cd!"` , and `"."` are valid, but `"a!b"` and `"c.,"` are not valid).

Examples of valid words include `"a-b."` , `"afad"` , `"ba-c"` , `"a!"` , and `"!"` .

Given a string `sentence` , return *the* ***number*** *of valid words in* `sentence` .

Example 1:

```
Input: sentence = " cat  and   dog "
Output: 3
Explanation: The valid words in the sentence are "cat", "and", and "dog".
```

Example 2:

```
Input: sentence = "!this  1-s b8d!"
Output: 0
Explanation: There are no valid words in the sentence.
"!this" is invalid because it starts with a punctuation mark.
"1-s" and "b8d" are invalid because they contain digits.
```

Example 3:

```
Input: sentence = " alice  and   bob  are  playing stone-game10"
Output: 5
Explanation: The valid words in the sentence are "alice", "and", "bob", "are", and "playing".
"stone-game10" is invalid because it contains digits.
```

Constraints:

- `1 <= sentence.length <= 1000`
- `sentence` only contains lowercase English letters, digits, `' '` , `'-'` , `'!'` , `'.'` , and `','` .
- There will be at least `1` token.