

# 1684. Count the Number of Consistent Strings

## Description

You are given a string `allowed` consisting of **distinct** characters and an array of strings `words`. A string is **consistent** if all characters in the string appear in the string `allowed`.

Return *the number of **consistent** strings in the array* `words`.

### Example 1:

**Input:** `allowed = "ab", words = ["ad","bd","aaab","baa","badab"]`

**Output:** 2

**Explanation:** Strings "aaab" and "baa" are consistent since they only contain characters 'a' and 'b'.

### Example 2:

**Input:** `allowed = "abc", words = ["a","b","c","ab","ac","bc","abc"]`

**Output:** 7

**Explanation:** All strings are consistent.

### Example 3:

**Input:** `allowed = "cad", words = ["cc","acd","b","ba","bac","bad","ac","d"]`

**Output:** 4

**Explanation:** Strings "cc", "acd", "ac", and "d" are consistent.

### Constraints:

- `1 <= words.length <= 104`
- `1 <= allowed.length <= 26`
- `1 <= words[i].length <= 10`
- The characters in `allowed` are **distinct**.
- `words[i]` and `allowed` contain only lowercase English letters.

