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.