📄 Description 📖 Editorial ⚗ Solutions 🕘 Submissions 🐞 Debugger ✕

2306. Naming a Company

Hard   🏷 Topics   💡 Hint

You are given an array of strings `ideas` that represents a list of names to be used in the process of naming a company. The process of nam

1. Choose 2 **distinct** names from `ideas`, call them $idea_A$ and $idea_B$.

2. Swap the first letters of $idea_A$ and $idea_B$ with each other.

3. If **both** of the new names are not found in the original `ideas`, then the name $idea_A$ $idea_B$ (the **concatenation** of $idea_A$ and $idea_B$, se

4. Otherwise, it is not a valid name.

Return *the number of **distinct** valid names for the company*.

Example 1:

```
Input: ideas = ["coffee","donuts","time","toffee"]
Output: 6
Explanation: The following selections are valid:
- ("coffee", "donuts"): The company name created is "doffee conuts".
- ("donuts", "coffee"): The company name created is "conuts doffee".
- ("donuts", "time"): The company name created is "tonuts dime".
- ("donuts", "toffee"): The company name created is "tonuts doffee".
- ("time", "donuts"): The company name created is "dime tonuts".
- ("toffee", "donuts"): The company name created is "doffee tonuts".
Therefore, there are a total of 6 distinct company names.

The following are some examples of invalid selections:
- ("coffee", "time"): The name "toffee" formed after swapping already exists in the original array.
- ("time", "toffee"): Both names are still the same after swapping and exist in the original array.
- ("coffee", "toffee"): Both names formed after swapping already exist in the original array.
```

Example 2:

```
Input: ideas = ["lack","back"]
Output: 0
Explanation: There are no valid selections. Therefore, 0 is returned.
```

Constraints:

- `2 <= ideas.length <= 5 * 10`^{4}
- `1 <= ideas[i].length <= 10`
- `ideas[i]` consists of lowercase English letters.
- All the strings in `ideas` are **unique**.

Seen this question in a real interview before?   1/4

Yes   No

Accepted **59.1K**   Submissions **126.9K**   Acceptance Rate **46.6%**

🏷 Topics

💡 Hint 1

💡 Hint 2

💡 Hint 3