Problem 3527: Find the Most Common Response

Problem Information

Difficulty: Medium
Acceptance Rate: 75.01%
Paid Only: No
Tags: Array, Hash Table, String, Counting

Problem Description

You are given a 2D string array `responses` where each `responses[i]` is an array of strings representing survey responses from the `ith` day.

Return the **most common** response across all days after removing **duplicate** responses within each `responses[i]`. If there is a tie, return the _lexicographically smallest_ response.

Example 1:

Input: responses = [["good","ok","good","ok"],["ok","bad","good","ok","ok"],["good"],["bad"]]

Output: "good"

Explanation:

* After removing duplicates within each list, `responses = [["good", "ok"], ["ok", "bad", "good"], ["good"], ["bad"]]`. * `"good"` appears 3 times, `"ok"` appears 2 times, and `"bad"` appears 2 times. * Return `"good"` because it has the highest frequency.

Example 2:

Input: responses = [["good","ok","good"],["ok","bad"],["bad","notsure"],["great","good"]]

Output: "bad"

Explanation:

* After removing duplicates within each list we have `responses = [["good", "ok"], ["ok", "bad"], ["bad", "notsure"], ["great", "good"]]`. * `"bad"`, `"good"`, and `"ok"` each occur 2 times. * The output is `"bad"` because it is the lexicographically smallest amongst the words with the highest frequency.

Constraints:

* `1 <= responses.length <= 1000` * `1 <= responses[i].length <= 1000` * `1 <= responses[i][j].length <= 10` * `responses[i][j]` consists of only lowercase English letters

Code Snippets

C++:

```
class Solution {
public:
string findCommonResponse(vector<vector<string>>& responses) {

}
};
```

Java:

```
class Solution {
public String findCommonResponse(List<List<String>> responses) {

}
}
```

Python3:

```
class Solution:
def findCommonResponse(self, responses: List[List[str]]) -> str:
```