

1772. Sort Features by Popularity Premium

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You are given a string array `features` where `features[i]` is a single word that represents the name of a feature of the latest product you are working on. You have made a survey where users have reported which features they like. You are given a string array `responses`, where each `responses[i]` is a string containing space-separated words.

The **popularity** of a feature is the number of `responses[i]` that contain the feature. You want to sort the features in non-increasing order by their popularity. If two features have the same popularity, order them by their original index in `features`. Notice that one response could contain the same feature multiple times; this feature is only counted once in its popularity.

Return *the features in sorted order*.

Example 1:

Input: `features = ["cooler","lock","touch"], responses = ["i like cooler cooler","lock touch cool","locker like touch"]`
Output: `["touch","cooler","lock"]`
Explanation: `appearances("cooler") = 1`, `appearances("lock") = 1`, `appearances("touch") = 2`. Since "cooler" and "lock" both had 1 appearance, "cooler" comes first because "cooler" came first in the features array.

Example 2:

Input: `features = ["a","aa","b","c"], responses = ["a","a aa","a a a a a","b a"]`
Output: `["a","aa","b","c"]`

Constraints:

- `1 <= features.length <= 104`
- `1 <= features[i].length <= 10`
- `features` contains no duplicates.
- `features[i]` consists of lowercase letters.
- `1 <= responses.length <= 102`
- `1 <= responses[i].length <= 103`
- `responses[i]` consists of lowercase letters and spaces.
- `responses[i]` contains no two consecutive spaces.
- `responses[i]` has no leading or trailing spaces.

Seen this question in a real interview before? 1/5

Yes No

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Hint 1

Use a hash map to count the frequency of each word of each string.

Hint 2

Use the map for sorting the features.

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