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Description

Solution

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792. Number of Matching Subsequences

Medium

4517

188

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Given a string `s` and an array of strings `words`, return *the number of* `words[i]` *that is a subsequence of* `s`.

A **subsequence** of a string is a new string generated from the original string with some characters (can be none) deleted without changing the relative order of the remaining characters.

- For example, "ace" is a subsequence of "abcde".

**Example 1:**

**Input:** `s = "abcde"`, `words = ["a","bb","acd","ace"]`  
**Output:** 3  
**Explanation:** There are three strings in `words` that are a subsequence of `s`: "a", "acd", "ace".

**Example 2:**

**Input:** `s = "dsahjppjauf"`, `words = ["ahjppjau","ja","ahbwzgnuk","tnmlanowax"]`  
**Output:** 2

**Constraints:**

- `1 <= s.length <= 5 * 104`
- `1 <= words.length <= 5000`
- `1 <= words[i].length <= 50`
- `s` and `words[i]` consist of only lowercase English letters.

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```
class Solution {
    public int numMatchingSubseq(String s, String[] words) {
    }
}
```

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