

@LeetCode

Given a string array `words`, find the maximum value of `length(word[i]) * length(word[j])` where the two words do not share common letters. You may assume that each word will contain only lower case letters. If no such two words exist, return 0.

**Example 1:**

**Input:** ["abcw", "baz", "foo", "bar", "xtfn", "abcdef"]

**Output:** 16

**Explanation:** The two words can be "abcw", "xtfn".

**Example 2:**

**Input:** ["a", "ab", "abc", "d", "cd", "bcd", "abcd"]

**Output:** 4

**Explanation:** The two words can be "ab", "cd".

**Example 3:**

**Input:** ["a", "aa", "aaa", "aaaa"]

**Output:** 0

**Explanation:** No such pair of words.