Given a string array words, return *the maximum value of* length(word[i]) \* length(word[j]) *where the two words do not share common letters*. If no such two words exist, return 0.

**Example 1:**

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

**Output:** 16

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

**Example 2:**

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

**Output:** 4

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

**Example 3:**

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

**Output:** 0

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

**Constraints:**

* 2 <= words.length <= 1000
* 1 <= words[i].length <= 1000
* words[i] consists only of lowercase English letters.