318. Maximum Product of Word Lengths

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.