

Scrambled Words

Idea

① For every word in dictionary, we calculate a hash value.

How to calculate the hash value?

Use the first character,

last character

and how much times a character appears in the word

except for the first character and last character.

② Create an unordered_map and map the hash value to how many times a hash value appears in dictionary.

③ Create an unordered_set and put the length of word in the set.
set final result ans=0

④ For every length in the set, calculate the hash value of every possible continuous subarray of that length.

If the hash value can be found in the map,

ans += map[hash value]

The answer is ans.

Code: ipad-2.cpp