Jutge.org

The Virtual Learning Environment for Computer Programming

Pseudo-anagrams

X90971_en

An *anagram* of a word or phrase is another word or phrase that contains exactly the same letters. For instance "evil" is an anagram of "vile", "cheater" is an anagram of "teacher", and "New York times" is an anagram of "Monkeys write".

A *pseudo-anagram* of a word or phrase is another word or phrase that contains the same letters regardless of the number of times each letter appears. For instance, "teacher" is a pseudo-anagram of "reattach", "go" is a pseudo-anagram of "goo", and "drapes" is a pseudo-anagram of "desappeared". Obviously, any anagram is also a pseudo-anagram. Write a program that reads a text and lists all the pairs of pseudo-anagrams it contains. Each pair must list the alphabetically smaller word first. The list of pairs must be sorted

Input

The input is a text consisting only of words in lowercase and whitespaces.

Output

The output is the list of pseudo-anagram pairs, alphabetically sorted. The pairs must be written with the alphabetically smaller word first.

Sample input 1

Sample output 1

an anagram of a word or phrase is another cheater teacher word or phrase that contains exactly the evil vile same letters for instance evil is an anagram of vile and cheater is an anagram of teacher

Sample input 2

Sample output 2

some mooses point to a sphera of phrases in grooming the hethett morning despite those semoses teppidest shoes and hoses

alphabetically by the first word of the pair.

despite teppidest grooming morning hethett the hoses shoes mooses semoses mooses some phrases sphera semoses some

Problem information

Author : Lluís Padró

Generation: 2024-03-05 11:04:50

© *Jutge.org*, 2006–2024. https://jutge.org