2012 - Challenging Words

Description

In an effort to quiet down your little brother, you have given him the following game: take a piece of text and try to find out which is the most valuable word according the following rules:

• Since the text will come from real life, it will contain letters, punctuation symbols, and whitespaces (including line breaks).
• A word is any non-empty sequence of characters separated by one or more whitespaces. For example: "apple", "you're", "mother-in-lay", "$99.95", and "@$#!&%" are words.
• Ignoring any other characters within, the value of a word will be determined by its English lowercase letters (i.e. characters from **'a' to 'z'**).
• The value of letter **'a'** will be 0, **'b'** will have value 1, and so on ending with **'z'** having value 25.
• The value of a word will be the sum of the values of its English lowercase characters.

Your little brother starts working, and to be sure his answers are correct, you have to write a program to compute the correct answer.

Input specification

The input consist of a real life text having no more than **2000** words separated by one or more whitespaces (or line breaks). All letters are in lowercase, but they are not necessarily taken from the English alphabet. No word in the input will have more than **1000** characters.

Output specification

In the first line, output the maximum word value you have found in the text. On each of the next **K** lines, output an integer indicating the position (starting from 1) of the most valuable words, according to the order they appear in the text. The most valuable words are not necessarily unique and each may appear multiple times throughout the text. In such cases, you are required to print out every position they occur in the text.

Sample input

```
please note that all contributions to caribbean judges committee - wiki
may be edited, altered,
or removed by other contributors. if you do not want your writing to be
edited mercilessly,
then do not submit it here. you are also promising us that you wrote this
yourself, or copied
```

Sample output

```
166
5
```

Hint(s)

Source	Ray Williams Robinson Valiente
Added by	**ycalvino**
Addition date	2012-09-25
Time limit (ms)	5000
Test limit (ms)	1250
Memory limit (kb)	130000
Output limit (mb)	64
Size limit (bytes)	30000
Enabled languages	Bash C C# C++ Java Pascal Perl PHP Python Ruby Text