**Heaviest Word**

The Academy needs you! We have this list of words and we have to find the **heaviest** one, but we haven't a clue how to approach the problem.

Word *heaviness* is determined by summing all the letters in it. The letter value corresponds to the position in the English alphabet - where a is 1 and z is 26. For example, the word alpha has a weight of 1 + 12 + 16 + 8 + 1 = 38.  
Treat lower- and uppercase letters the same, so a and A both have the value 1.

Your task is to create a program that finds the heaviest word and prints its weight and the word itself to the standart output.

**Input**

* On the first line, **N** - the number of words to follow.
* On the next **N** lines - a single word.

**Output**

* The heaviest weight and the heaviest word, separated by a space.

**Constraints**

* 5 <= N <= 500
* 3 <= letters in a word <= 20

**Sample tests**

**Input**

5

telerik

alpha

java

Spring

nodeJS

**Output**

83 Spring

**Input**

7

gosho

Pesho

staMAT

apostol

spiridon

PAUN

StrAHiL

**Output**

104 spiridon