We need your help! We have this list of words and we have to find the one with the smallest weight, but we haven't a clue how to approach the problem.

The weight 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 book has a weight of 2 + 15 + 15 + 11 = 43.

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 word with the smallest weight 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 smallest weight and the word, separated by a space.

### **Constraints**

* 5 <= N <= 500
* 3 <= word length<= 20

### **Sample tests**

#### **Input**

Copy

5

acceptable

funny

slippery

scribble

nasty

#### **Output**

Copy

68 acceptable

#### **Input**

Copy

5

rot

expert

book

government

spiridon

#### **Output**

Copy

43 book