The value of the letters

Concurso On-line 2 (OIE08) (2008)

Your task is to write a program that computes the value of a given message. To compute it, we will consider that only the letters have value, and that each letter has greater value the more infrequent it is, as can be seen in this table:

<table>
<thead>
<tr>
<th>Valor</th>
<th>Letras</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>a e</td>
</tr>
<tr>
<td>2</td>
<td>o s</td>
</tr>
<tr>
<td>3</td>
<td>d i n r</td>
</tr>
<tr>
<td>4</td>
<td>c l t u</td>
</tr>
<tr>
<td>5</td>
<td>m p</td>
</tr>
<tr>
<td>6</td>
<td>b f g h j q v x y z</td>
</tr>
<tr>
<td>7</td>
<td>k w</td>
</tr>
</tbody>
</table>

Input

The input consists of a sequence of characters, which include exclusively lowercase letters, spaces and newlines.

Output

Your program must print the total value of the message, computed as the sum of the value of all its letters.

Sample input 1

is a chinese wok

Sample output 1

42

Sample input 2

i have seen things you people would not believe
attack ships on fire off the shoulder of orion
i watched c beams glitter in the dark
near the tannhauser gate
all those moments will be lost in time
like tears in rain
time to die

Sample output 2

590

Sample input 3

hi how

are

you

Sample output 3

41
Problem information

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