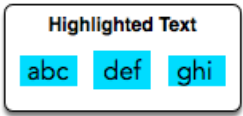# Designer PDF Viewer

When a contiguous block of text is selected in a PDF viewer, the selection is highlighted with a blue rectangle. In this PDF viewer, each word is highlighted independently. For example:

Highlighted Text

abc def ghi

There is a list of 26 character heights aligned by index to their letters. For example, 'a' is at index 0 and 'z' is at index 25. There will also be a string. Using the letter heights given, determine the area of the rectangle highlight in mm^2 assuming all letters are $1mm$ wide.

Example
$$h = [1, 3, 1, 3, 1, 4, 1, 3, 2, 5, 5, 5, 5, 1, 1, 5, 5, 1, 5, 2, 5, 5, 5, 5, 5, 5] \; word =' torn'$$

The heights are $t = 2, o = 1, r = 1$ and $n = 1$. The tallest letter is 2 high and there are 4 letters. The hightlighted area will be $2 * 4 = 8mm^2$ so the answer is 8.

Function Description

Complete the *designerPdfViewer* function in the editor below.

designerPdfViewer has the following parameter(s):

- *int h[26]*: the heights of each letter
- *string word*: a string

Returns

- *int:* the size of the highlighted area

Input Format

The first line contains 26 space-separated integers describing the respective heights of each consecutive lowercase English letter, ascii[a-z].
The second line contains a single word consisting of lowercase English alphabetic letters.

Constraints

- $1 \leq h[?] \leq 7$, where $?$ is an English lowercase letter.
- $word$ contains no more than 10 letters.

Sample Input 0

```
1 3 1 3 1 4 1 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
abc
```

Sample Output 0

```
9
```

Explanation 0

We are highlighting the word `abc` :

Letter heights are $a = 1$, $b = 3$ and $c = 1$. The tallest letter, `b`, is $3mm$ high. The selection area for this word is $3 \cdot 1mm \cdot 3mm = 9mm^2$.

Note: Recall that the width of each character is $1mm$.

Sample Input 1

```
1 3 1 3 1 4 1 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 7
zaba
```

Sample Output 1

```
28
```

Explanation 1

The tallest letter in $zaba$ is z at $7mm$. The selection area for this word is $4 \times 1mm \times 7mm = 28mm^2$.