Designer PDF Viewer

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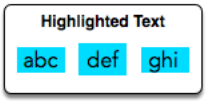
When you select a contiguous block of text in a PDF viewer, the selection is highlighted with a blue rectangle. In this PDF viewer, each word is highlighted independently. For example:



In this challenge, you will be given a list of letter heights in the alphabet and a string. Using the letter heights given, determine the area of the rectangle highlight in mm^2 assuming all letters are $1mm$ wide.

For example, the highlighted $word = \text{torn}$. Assume the heights of the letters 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. It should return an integer representing the size of the highlighted area.

designerPdfViewer has the following parameter(s):

- h: an array of integers representing the heights of each letter
- word: a string

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.

Output Format

Print a single integer denoting the area in mm^2 of highlighted rectangle when the given word is selected. Do not print units of measure.

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 7
zaba
```

Sample Output 1

```
28
```

Explanation 1

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

Change Theme C++

```
#include <bits/stdc++.h>

using namespace std;

vector<string> split_string(string);

// Complete the designerPdfViewer function below.
int designerPdfViewer(vector<int> h, string word) {


}

int main()
{
    ofstream fout(getenv("OUTPUT_PATH"));

    string h_temp_temp;
    getline(cin, h_temp_temp);

    vector<string> h_temp = split_string(h_temp_temp);

    vector<int> h(26);

    for (int i = 0; i < 26; i++) {
        int h_item = stoi(h_temp[i]);

        h[i] = h_item;
    }

```

Line: 1 Col: 1

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