



笑聲分析 (Laugh Analysis)

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俄羅斯科學家們正致力於研究許多透視主題. 其中一項研究是關於笑聲的品質.

Russian scientists are working on several perspective themes. One their research is about the quality of laugh. In this research they analyse the human speech and extract the laugh from it.

The scientists already made the software which parses the human speech to text. They consider the laugh to be a string of alternating letters "h" and "a". For example, strings "ahahaha", "hah" and "a" are laugh, but "abacaba" and "hh" are not.

You are given a string s containing the parsed speech. Find the length of the longest substring which can be considered as laugh.

程式撰寫規範 (Implementation Detail)

請寫出下列函式 (方法) :

You should implement the following function (method):

- `int longest_laugh(string s)`. This function should return the length of the longest substring of s which can be considered as laugh.

範例 (Example)

範例 1 (Example 1)

- $s = \text{"ahaha"}$

The whole string is a laugh, so the answer is 5.

範例 2 (Example 2)

- $s = \text{"ahahrnawayahhsofasthah"}$

The largest substring is "ahah", so the answer is 4.

範例 3 (Example 3)

- $s = \text{"ahahaahaha"}$

The largest substring is "ahaha", so the answer is 5.

子問題 (Subtasks)

Here $|s|$ means length of s .

1. (21 points) $|s| \leq 20$,
2. (26 points) $|s| \leq 5000$,
3. (53 points) $|s| \leq 10^5$.

評分測試 (Sample Grader)

The sample grader reads the input in the following format:

- line 1: String s .

程式語言註記 (Implementation Note)

Please use the provided template files for details of implementation in your programming language.