

Hissing Microphone

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A known problem with some microphones is the “hissing s”. That is, sometimes the sound of the letter s is particularly pronounced; it stands out from the rest of the word in an unpleasant way.

Of particular annoyance are words that contain the letter s twice in a row. Words like `amiss`, `kiss`, `mississippi` and even `hiss` itself.

Input

The input contains a single string on a single line. This string consists of only lowercase letters (no spaces) and has between 1 and 30 characters.

Output

Output a single line. If the input string contains two consecutive occurrences of the letter s, then output `hiss`. Otherwise, output `no hiss`.

Sample Input 1

```
amiss
```



Sample Output 1

```
hiss
```



Sample Input 2

```
octopuses
```



Sample Output 2

```
no hiss
```



Sample Input 3

```
hiss
```



Sample Output 3

```
hiss
```



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