

SAC '22 Code Challenge 3 Junior P1 - Normal Problem

Time limit: 1.0s **Memory limit:** 256M

Max has a crisis: he has not mentioned Mr. DeMello once in this contest!

Since this is a massive issue, Max begs you to check if he has mentioned him.

He will give you a string of lowercase letters S (a sentence from the contest) and ask you to detect if `demello` is in the string.

If `demello` is in the string, output `liar`; otherwise, output `what are we going to do?`.

Can you help Max fix his contest?

Constraints

$$1 \leq |S| \leq 10^5$$

S will only contain lowercase letters.

Note that $|S|$ denotes the length of string S .

Subtask 1 [50%]

S will contain `demello`.

Subtask 2 [50%]

No additional constraints.

Input Specification

The first line will contain S , the string to check for the presence of `demello`.

Output Specification

If `demello` is in the string, output `liar`; otherwise, output `what are we going to do?`.

Sample Input 1

```
testtestdemellotest
```

Sample Output 1

liar

Sample Input 2

no

Sample Output 2

what are we going to do?