

Rap Song

Filename: rap

Sharon wants to write a rap song about the hardships of being a student, but he knows nothing about flow. We say a sentence flows if the first letter of every word is the same as the last letter of the word before it. If there is no word before it then the first letter can be anything. A word is a series of letters which is separated from other words by a space. For example, the sentences “students sometimes sleep poorly yo”, “moms spaghetti”, and “ba a ab” flow, but “ring ring banana phone” and “hello world dolphins” do not. Sharon wrote some lines for his new song, and now he wants you to determine if these lines flow.

The Problem:

Determine if each sentence flows.

The Input:

The first line of the input file begins with a single, positive integer, t , representing the number of lines written by Sharon. This is followed by t lines, each consisting of a string of no more than 100 lowercase letters and spaces.

The Output:

For each test case, output a single line containing “Sentence # i :” without the quotes, where i is the number of the sentence, followed by a space and either “Flow” if the sentence flows, or “No go” otherwise.

Sample Input:

```
3
moms spaghetti its serious stuff
im never gonna dance again
mamamia
```

Sample Output:

```
Sentence #1: Flow
Sentence #2: No go
Sentence #3: Flow
```