

DMPG '19 B3 - Contact

Time limit: 2.0s **Memory limit:** 64M

For those who are socially awkward, talking to others is a harrowing task. Did you say too much? Too little?

It is this last one that you have become increasingly worried about. Going through your conversations, you record each message as either **sent** by you (`S`), or **received by you** (`R`).

You believe that you are **spamming** if you have sent **at least** K consecutive messages without receiving any replies in between. Can you write a program to see if you have been bothering your fellow netizens?

Constraints

$$1 \leq K \leq 2\,000$$

Additionally, the total number of messages sent will not exceed 2 000.

Input Specification

The first line of input will contain a single string, composed of either `S` or `R`.

The second and final line of input will contain a single integer, K .

Output Specification

Output `Spamming` if you have sent **at least** K consecutive messages without receiving any replies in between, and `All good` otherwise.

Sample Input 1

```
SSRS
3
```

Sample Output 1

```
All good
```

Sample Input 2

SSSSSRSSS
4

Sample Output 2

Spamming