

Guitar Zero

Filename: zero

Years ago, you saw a kid playing a dancing game in your local mall. It was fairly obvious that the kid played the game several hours a day, since he was very good at it. However, he still could not actually dance. As the sales marketer for the Unfunded Computing Foundation, you have decided to see if this simplistic concept would work for your favorite instrument, the guitar. Unfortunately, the overseeing review board doesn't share your enthusiasm and has declined your proposal for research and development. They have a 24-hour appeal policy, but it started last night. You only have a few hours left to convince the pesky board members that you have a multi-million-dollar idea.

The Problem:

You and your team have decided that a quick proof-of-concept is all that is needed given the time crunch. Since you have no money, you won't be able to use any equipment. However, that's okay because you and the developers brought your official Air Guitars. Some of the more experienced air guitarists are already shredding it up to their favorite bands instead of working, so it's a killer time to test the scoring system. The model is as follows: You always start off with a score of 0. As you play your air guitar to your favorite MP3, your friends will increase or decrease your score by one. When the song has completed, you must have a positive (non-zero) score to prove that you have chops and deserve to be crowned a shredder. Of course, a score of zero or lower will only impress your mom, making you a guitar zero to everyone else.

The Input:

There will be multiple songs. Each song starts with a single integer, n ($1 \leq n < 80$), on a line by itself. The next line will contain exactly n characters, each either a '+' or '-'. These represent each time your score increased or decreased, respectively. The last song is followed by a line containing the number zero. This line should not be processed.

The Output:

For each song, you must first output a header, "Song x :", where x is the song number starting from 1. Following the song number, you should indicate how the air guitarist performed on the song. If the air guitar player passed the song (the sum of the votes is positive), output "Shreddin". Otherwise, output "Guitar Zero". Each song should be output on a single line.

Sample Input:

```
10
+-+--+--+
10
---+-----+-
5
+----+
11
+++++++--+
0
```

Sample Output:

```
Song 1: Shreddin
Song 2: Guitar Zero
Song 3: Guitar Zero
Song 4: Shreddin
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