

Exam Prep Warmup #2: Vote Count

Problem Description

A vote is held after singer A and singer B compete in the final round of a singing competition.

Your job is to count the votes and determine the outcome.

Input Specification

The input will be on two lines.

On the first line, you will prompt for V , the total number of votes ($1 \leq V \leq 15$).

On the second line, you will accept a sequence of V characters, each of which must be A or B, representing the votes for that particular singer.

If invalid input is received on the first line, the prompt should simply be repeated.

Output Specification

The output will be one of four possibilities:

- A, if there are more A votes than B votes
- B, if there are more B votes than A votes
- Tie, if there are an equal number of A votes and B votes
- Error, if invalid input is provided for the votes cast

Sample Input/Output Session – 1 (user input is in bold)

How many votes? 6

ABBABB

B

Sample Input/Output Session – 2 (user input is in bold)

How many votes? 8

ABBABAAB

Tie

Sample Input/Output Session – 3 (user input is in **bold**)

How many votes? **9**

ABBABAABC

Error

Sample Input/Output Session – 4 (user input is in **bold**)

How many votes? **9**

ABBB

Error

Sample Input/Output Session – 5 (user input is in **bold**)

How many votes? **foo**

How many votes? **4**

AABA

A