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| Assignment Case |  |
| COMP6047 Algorithm and Programming | |
| Computer Science | <Case Code> |
| <i>Valid on Compact Semester Year 2019/2020</i> | Revision 00 |

Soal*Case***Count Sheep**

Jojo is having problem to sleep at night. He can't fall asleep and it makes him feel tired every day. Having this problem, Jojo told his friend Bibi, and Bibi advised him to do sheep counting while he tries to sleep. Jojo decided to try using this trick for N nights, to test its effectiveness. Jojo realized that he would fall asleep if he imagined a total of 10 white sheep. Unfortunately, sometimes he imagined black sheep and every time he imagined 2 black sheep, he lost one white sheep count. Despite of that, help him track whether he managed to fall asleep every night.

Format Input

The first line in the input is an integer N, the number of nights Jojo count sheep. N lines follows, each line consists of string S that contains the sequence of sheep Jojo imagined in his desperation to sleep. It is guaranteed S will only contain character 'W' and 'B', which denotes white sheep and black sheep respectively.

Format Output

For each test case, output "Case X: Jojo fall asleep" if Jojo managed to sleep, and output "Case X: Jojo stayed awake".

Constraints

$$1 \leq N \leq 500$$

$$1 \leq |S| \leq 100000$$

| Sample Input | Sample Output |
|--|--|
| 4 WWWBBW WWWWWWWWWWBBW BBWWWWWWWWWW WWBWWBWWWWBWWBWW | Case #1: Jojo stayed awake Case #2: Jojo fall asleep Case #3: Jojo fall asleep Case #4: Jojo stayed awake |

Note:

Don't forget to add the newline character after printing the output.