

Strgame

SEASON 8 – SECOND ROUND



Tanya and Bobby love playing different games - Jackbox, Ring of fire and etc. Today, they decided to play a new game with a given string **S** of length of **N**. They alternate turns and the one who fails to make a move, loses. Tanya is a lady, and that is why she starts first.

At each turn, the player whose turn it is, has to choose a pair of numbers **(i, j)** such that $1 \leq i < j \leq N$ and **S[i] = '1'**. After this move **S[i]** becomes '0' and **S[j]** changes its value - if it was '1', it becomes '0' and vice versa.

Write a program that determines who will win if you both Tanya and Bobby play optimally.

Input

The first line of the input file `strgame.in` contains the number *N* – the length of the string *S*. The second line contains the string *S* itself.

Output

The output file `strgame.out` should contain one line with the name of the winner in the game - „Tanya“ if she will win and „Bobby“ if he will be the winner if both play optimally.

Constraints

$$2 \leq N \leq 10^5$$

Time limit: 1 sec

Memory limit: 256 MB

Examples

Input (<code>strgame.in</code>)	Output (<code>strgame.out</code>)
7 1000001	Tanya
5 01110	Bobby