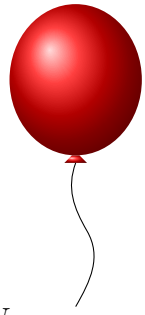
F Noon Fence Painting



Time limit: 1.0s
Memory limit: 256MB

You are given a fence consisting of N planks, initially all white, represented as a string of length N.

You can perform the following operation any number of times:

- Choose a white plank and paint it either Yellow or Black.
- Then, for each immediate neighbor (left and right), if it is white, it is painted with the same color; otherwise, it is left unchanged.

You are given a target coloring string S of length N, where each character is either 'Y' (Yellow) or 'B' (Black).

Determine whether it is possible to obtain S starting from the initial all-white fence using the allowed operations.

Input

Each test contains multiple test cases. The first line contains the number of test cases T ($1 \leq T \leq 10^4$). The description of the test cases follows.

The first line of each test case contains one integer N ($1 \leq N \leq 10^5$) — the length of the fence.

The second line of each test case contains a string S of N characters such that $S_i \in \{\text{'Y'}, \text{'B'}\}$

It is guaranteed that the sum of N over all test cases does not exceed 10^5.

Output

For each test case output *Yes* or *No* according to the answer of the test case.

Samples

Sample input 1	Sample output 1
7 2 BB 4 BBYY 8 YYYYBBBB 7 YYYBBBB 2 YB 9 BBYBBBYYB 10 BYYYYBBBBY	YES YES YES YES NO YES NO