

Problem D. Vlad's RGB Lights

Time limit 2000 ms

Mem limit 262144 kB

Vlad bought a string of RGB lights. According to Vlad, a string is aesthetic if no two neighbouring lights are of the same colour. Count the minimum number of lights Vlad will have you remove in order to make it aesthetic. Two lights are considered neighbouring if there are no other lights in between them.

Input

The first line contains integer n ($1 \leq n \leq 50$) — the number of lights on the string.

The next line contains string s , which represents the colors of the lights. We'll consider the lights in the row numbered from 1 to n from left to right. Then the i -th character s equals "R", if the i -th light is red, "G", if it's green and "B", if it's blue.

Output

Print a single integer — the answer to the problem.

Sample 1

Input	Output
3 RRG	1

Sample 2

Input	Output
5 RRRRR	4

Sample 3

Input	Output
4 BRBG	0