

# Log

There was a storm recently on Jolibi village. The storm was so strong that some trees fell. There are some logs of varied length lying on the ground. The village ground can be represented by a string of length N, where the i-th character is either 1 or 0. A single log is represented by consecutive characters of 1, and two different logs are separated by one or more 0. For example, for the string 1100010111, there are 3 logs. The first one at position 1 to 2 with length 2, the second one at position 6 with length 1, and the third one at position 8 to 10 with length 3.

As a carpenter, you want to take one of these logs home. Because you are the senior carpenter, you may take the longest log home. Determine the length of the longest log!

### Format Input

The input can be read from the file testdata.in. The first line contains an integer N, the length of the string. The next line contains a string of length N, which represents the village ground.

## Format Output

Output an integer X, the length of the longest log.

#### Constraints

- $1 \le N \le 10^4$
- the *i*-th character is either 0 or 1.
- At least one log is present on the given string.

## Sample Input 1 (testdata.in)

10 1100010111

## Sample Output 1 (standard output)

3

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## Sample Input 2 (testdata.in)

10 0110011000

## Sample Output 2 (standard output)

2



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## Log

Baru - baru ini desa Jolibi dilanda oleh badai. Badai tersebut sangat kuat hingga beberapa pohon tumbang. Terdapat beberapa gelondongan kayu terbaring di atas tanah. Permukaan tanah desa itu dapat direpresentasikan oleh sebuah string dengan panjang N, dimana karakter ke-i adalah 1 atau 0. Sebuah gelondongan kayu direpresentasikan dengan karakter 1 yang berurutan, dan dua buah gelondongan kayu dipisahkan oleh satu atau lebih karakter 0. Misalnya, untuk string 1100010111, terdapat 3 gelondongan kayu. Gelondongan kayu pertama berada pada posisi 1 sampai 2 dengan panjang 2, yang kedua pada posisi 6 dengan panjang 1, dan yang ketiga pada posisi 8 sampai 10 dengan panjang 3.

Sebagai seorang tukang kayu, kamu ingin membawa pulang salah satu dari gelondongan kayu tersebut. Karena kamu adalah tukang kayu senior, kamu diperbolehkan mengambil gelondongan kayu terpanjang. Tentukan panjang dari gelondongan kayu terpanjang!

### Format Input

Masukan dapat dibaca pada file test data.in. Baris pertama terdiri dari sebuah bilangan bulat N, yaitu panjang string. Baris berikutnya terdiri dari sebuah string dengan panjang N, yang merepresentasikan permukaan tanah desa.

## Format Output

Keluarkan sebuah bilangan bulat X, panjang dari gelondongan kayu terpanjang.

#### Constraints

- $1 \le N \le 10^4$
- Karakter ke-i adalah 0 atau 1.
- Terdapat setidaknya sebuah gelondongan kayu pada string yang diberikan.

## Sample Input 1 (testdata.in)

10	
110001011	1

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## Sample Output 1 (standard output)

3

## Sample Input 2 (testdata.in)

10

0110011000

## Sample Output 2 (standard output)

2

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