

# Grocery Store

Mike is a villager. He is eagerly waiting in the queue to collect groceries from the store. There are two types of people standing in the queue.

**Type A** : A person who likes waiting in a queue.

**Type B** : A person who hates waiting in a queue.

Mike is of **Type B**. So he wants to get the groceries as early as possible. At any moment if a **type B** person is standing one step to the right of the **type A** person, then they are allowed to swap their positions (they can choose not to swap). After this operation, **type B** person will be standing to the left of the **type A** person. This operation takes 0 minutes. You are given the status of the queue from left (person nearest to the grocery store) to right (person farthest from the grocery store) as a string. If the **i<sup>th</sup>** character is **A**, then person standing at position **i** is **type A** person, similarly for **type B**. The **P<sup>th</sup>** person is Mike. Each person takes 1 minute of time to collect groceries and leave the store.

How long (in minutes) Mike has to wait to get his turn. He want to get the groceries as early as possible.

## Input Format

First line of the input contains single integer **P** ( $1 \leq P \leq |S|$ ).

Second line of input contains the string **S** ( $1 \leq |S| \leq 123456$ ) describing initial status of queue.

**S** will contain only characters 'A' and 'B'.

The character at **P<sup>th</sup>** position is always 'B'.

Note:  $|S|$  is the length of the string given.

## Output Format

Print the required answer in a single line.

## Sample Input

5  
ABBBBBAABB

## Sample Output

3

## Explanation

As all the **type B** people swap their positions, the new position of the Mike is 4. so he takes 3 minutes.