```java
import java.io.BufferedReader;

import java.io.InputStreamReader;

import java.io.IOException;

class Day73 {

public static void main(String[] args) throws IOException {

BufferedReader in = new BufferedReader(new InputStreamReader(System.in));

int n = Integer.parseInt(in.readLine());

int m = 0, currLength = 0, longest = 0;

char lastChar;

char[] c;

int[] charCounter;

while (n > 0) {

m = Integer.parseInt(in.readLine());

c = in.readLine().trim().toCharArray();

charCounter = new int[30];

longest = 0;

lastChar = c[0];

currLength = 1;

for (int i = 1; i < c.length; i++) {

if (c[i] == lastChar) {

currLength++;

} else {

if (currLength >= charCounter[lastChar - 'a']) {

if (currLength > longest) {

if (currLength > charCounter[lastChar - 'a'] + 1) {

longest = currLength - 1;

} else {

longest = charCounter[lastChar - 'a'];

}

}

charCounter[lastChar - 'a'] = currLength;
```

```java
            }
            lastChar = c[i];
            currLength = 1;
        }

        if (i == (c.length - 1) && currLength > longest) {
            if (currLength == c.length) {
                longest = currLength - 1;
            } else if (currLength >= charCounter[lastChar - 'a']) {
                if (currLength > charCounter[lastChar - 'a'] + 1) {
                    longest = currLength - 1;
                } else {
                    longest = charCounter[lastChar - 'a'];
                }
            }
        }
    }
    System.out.println(longest);
    n--;
    }
  }
}
```