**[Maximum Sub-String after at most K changes](https://practice.geeksforgeeks.org/problems/maximum-sub-string-after-at-most-k-changes3220/1)**

We have a string **s** of length **n**, which contains only **UPPERCASE** characters and we have a number **k** (always less than **n**). We can make at most **k** changes in our string. In one change, you can replace any **s[i]**(0<= i < n) with any uppercase character (from 'A' to 'Z'). After **k** changes, find the maximum possible length of the sub-string which have all same characters.

**Example 1:**

**Input:** s = "ABAB", k = 2

**Output:** 4

**Explanation:** Change 2 'B' into 'A'.

Now s = "AAAA"

**Example:**

**Input:** s = "ADBD", k = 1

**Output:** 3

**Explanation:** Change 'B' into 'D'.

Now s = "ADDD"

**Your Task:**  
You don't need to read or print anything. Your task is to complete the function **characterReplacement()**which takes **s** and **k** as input parameters and returns the maximum length of sub-string after doing k changes.

**Expected Time Complexity:**O(n)  
**Expected Space Complexity:**O(26)

**Constraints:**  
1 <= n <= 105  
0 <= k < n