

424. Longest Repeating Character Replacement

Given a string `s` that consists of only uppercase English letters, you can perform at most `k` operations on that string.

In one operation, you can choose **any** character of the string and change it to any other uppercase English character.

Find the length of the longest sub-string containing all repeating letters you can get after performing the above operations.

```
class Solution {
    public int characterReplacement(String s, int k) {

        // sliding window
        int[] count = new int[26];
        int start = 0, maxCount = 0, maxLength = 0;

        for (int end = 0; end < s.length(); end++) {
            maxCount = Math.max(maxCount, ++count[s.charAt(end) - 'A']);

            while (maxCount + k <= end - start) {
                count[s.charAt(start) - 'A']--;
                start++;
            }

            maxLength = Math.max(maxLength, end - start + 1);
        }

        return maxLength;
    }
}
```