

424. Longest Repeating Character Replacement

Difficulty : Medium

<https://leetcode.com/problems/longest-repeating-character-replacement>

You are given a string `s` and an integer `k`. You can choose any character of the string and change it to any other uppercase English character. You can perform this operation at most `k` times.

Return *the length of the longest substring containing the same letter you can get after performing the above operations*.

Example 1:

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

Output: 4

Explanation: Replace the two 'A's with two 'B's or vice versa.

Example 2:

Input: `s = "AABABBA", k = 1`

Output: 4

Explanation: Replace the one 'A' in the middle with 'B' and form "AABBBBA". The substring "BBBB" has the longest repeating letters, which is 4.

Constraints:

- $1 \leq s.length \leq 10^5$
- `s` consists of only uppercase English letters.
- $0 \leq k \leq s.length$