

541. Reverse String II

Given a string s and an integer k , reverse the first k characters for every $2k$ characters counting from the start of the string.

If there are fewer than k characters left, reverse all of them. If there are less than $2k$ but greater than or equal to k characters, then reverse the first k characters and leave the other as original.

Example 1:

- **Input:** $s = \text{"abcdefg"}$, $k = 2$
- **Output:** "bacdfeg"

Example 2:

- **Input:** $s = \text{"abcd"}$, $k = 2$
- **Output:** "bacd"

Constraints:

- $1 \leq s.length \leq 10^4$
- s consists of only lowercase English letters.
- $1 \leq k \leq 10^4$