Given a string and an integer k, you need to reverse the first k characters for every 2k characters counting from the start of the string. If there are less 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 left the other as original.

**Example:**

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

**Output:** "bacdfeg"

**Restrictions:**

1. The string consists of lower English letters only.
2. Length of the given string and k will in the range [1, 10000]