

## 482. License Key Formatting

You are given a license key represented as a string  $s$  that consists of only alphanumeric characters and dashes. The string is separated into  $n + 1$  groups by  $n$  dashes. You are also given an integer  $k$ .

We want to reformat the string  $s$  such that each group contains exactly  $k$  characters, except for the first group, which could be shorter than  $k$  but still must contain at least one character. Furthermore, there must be a dash inserted between two groups, and you should convert all lowercase letters to uppercase.

Return the reformatted license key.

### Example 1:

- **Input:**  $s = "5F3Z-2e-9-w"$ ,  $k = 4$
- **Output:**  $"5F3Z-2E9W"$
- **Explanation:** The string  $s$  has been split into two parts, each part has 4 characters.

Note that the two extra dashes are not needed and can be removed.

### Example 2:

- **Input:**  $s = "2-5g-3-J"$ ,  $k = 2$
- **Output:**  $"2-5G-3J"$
- **Explanation:** The string  $s$  has been split into three parts, each part has 2 characters except the first part as it could be shorter as mentioned above.

### Constraints:

- $1 \leq s.length \leq 10^5$
- $s$  consists of English letters, digits, and dashes '-'.
- $1 \leq k \leq 10^4$