



## G. SUBSEQUENCE

You are given a string  $S$  with length  $N$  and a positive integer  $K$ . Count the number of distinct strings that can be obtained by removing exactly  $K$  characters from the string. Since the answer may be large, print it modulo  $10^9 + 7$ .

### INPUT

The first line contains two integers  $N$  and  $K$  - the length of the string  $S$  and the number of characters to be removed. ( $2 \leq N \leq 2 \times 10^5$ ,  $1 \leq K \leq \min(10, N - 1)$ )

The second line contains the string  $S$  with length  $N$ . All characters in the string are lowercase English letters.

### OUTPUT

Print the answer, modulo  $10^9 + 7$ .

Sample Input	Sample Output
9 2 aaabbbccc	6