TREASURE

Maximum time of execution: 0.2 seconds/test.
Maximum available memory: 256 MB

Andrei is an adventurer who tries to find a treasure full of gold coins. When he arrives at the last clue, which will tell him where the treasure is, he sees that on the clue there are two numbers, N and K, and a string of N lowercase English letters. Andrei should take the current string and should eliminate the first sequence of exactly K identical letters which appear on consecutive positions. He will repeat this process until there will be no sequence which has K consecutive identical letters.

Andrei asks you to solve this problem as soon as possible so that he will be the first who discovers the treasure.

TASK

Find the final string after you successively eliminate the first sequence of K identical letters which appear on consecutive positions, until there is no such sequence left.

INPUT FORMAT

The first line of the input contains two integers, N, representing the number of characters of the string, and K, representing the lenght of a sequence of identical characters.

The second line of the input contains the string of N lowercase English letters.

OUTPUT FORMAT

The first line of the output contains a string of lowercase English letters, the string which will be obtained after all the possible eliminations are made.

RESTRICTIONS

- **$2 \leq K \leq N \leq 200.000$**
- **The initial string contains only lowercase English letters**
- **It is guaranteed that the final string is not empty!**

Subtask	Score	Restrictions
1	35 points	***N, K*** <= 1000
2	Another 65 points	***N, K*** <= 200.000

EXAMPLES:

Input (from the console)	*Output (to the console)*
5 2 abbac	c

Explanation:
The initial string : abbac
The string after the first elimination : aac
The string after the second elimination : c

Input (from the console)	*Output (to the console)*
12 3 aabbbaabbaac	abbaac

Explanation:
The initial string : aabbbaabbaac
The string after the first elimination : aaaabbaac
The string after the second elimination : abbaac