



STUDENT REPORT

DETAILS

Name

INDU P

Roll Number

KUB23CSE043

EXPERIMENT

Title

BEST GRADE

Description

Andrew has a string N consisting of lowercase English letters representing respective grades of N students in his class. His grade is at Pth index. He can swap any two adjacent grades.

Your task is to help Andrew find and return a string value, representing maximized grade by bringing lexicographically smallest character on the Pth index after doing at most K swaps

Note: use 1 based indexing.

Input format:

- (i) The first line contains the string s.
- (ii) The second line contains the integer P.
- (iii) The third line contains the integer K.

Sample Input:

abcdefg

3

2

Sample Output:

a

Source Code:

```
def maximize_grade(s, p, k):  
    s = list(s)  
    smallest = min(s[max(0, p-1-k):p])  
    for i in range(max(0, p-1-k), p):  
        if s[i] == smallest:  
            s[p-1], s[i] = s[i], s[p-1]  
            break  
    return s[p-1]  
  
s = input()  
p = int(input())  
k = int(input())  
print(maximize_grade(s, p, k))
```

RESULT

5 / 5 Test Cases Passed | 100 %