



STUDENT REPORT

DETAILS

Name

MAMATA PITTER

Roll Number

KUB23CSE075

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 P th 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 P th 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 %