



STUDENT REPORT

DETAILS

Name

SAMALA JAHNAVI

Roll Number

23D21A05H4

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 max_grades(s,P,K):
    P -= 1
    s=list(s)
    start_ind = max(0,P-K)
    min_ind = P
    for i in range(start_ind,P+1):
        if s[i] <= s[min_ind]:
            s[min_ind],s[min_ind+1]=s[min_ind+1],s[min_ind]
            min_ind += 1
    K -= 1
    return s[P]
s = input().strip()
P = int(input().strip())
K = int(input().strip())
print(max_grades(s,P,K))
```

RESULT

5 / 5 Test Cases Passed | 100 %

