



# STUDENT REPORT

## DETAILS

### Name

MANJUNATHA K S

### Roll Number

KUB23ECE019

## 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:

```
a=input()
p=int(input())

k=int(input())
s=max(0,p-k-1)

e=min(len(a),p+k)
print(min(a[s:e]))
```

## RESULT

KUB

CE019

B23E

19 KU  
CE01

ECE0  
B23E

UB23  
19 KL

019 KL  
B23E