1. **Special Neighbors**

You're given a string **S** of length **N**. Find out the how many **alphabets** in that string have **special characters** as both left and right neighbors.

Note:

- Any character that is *not an alphabet, nor a digit* can be considered as **special character**.
- It's guaranteed that the string doesn't contain any spaces.

Input Format:
First line of input contains an integer **N** denoting the length of **S**.
Second line of input contains a string **S**.

Output Format:
Print the count of **alphabets** whose neighbors are **special characters**.

Constraints:
$3 \quad \leq N \leq 10^3$.
S can have alphabets, digits and special characters.

Sample I/O:

Input 1:
6
T$h%ub
Output 1:
1

Input 2:
8
#aditya#
Output 2:
0

Input 3:
12
#C$o%D^i_N!g
Output 3:
5

2. **Great Reverse**

You're given an integer array **A** of length **N**.

We call an integer **Great,** if it's *strictly greater than* it's **reverse**.

Count how many great integers are there in the given array.

Input Format:
First line of input contains an integer **N**.
Next line contains **N** space separated integers.

Output Format:
Print the output according to the description.

Constraints:
$1 \quad \leq N \leq 10^5$ - $10^5 \leq A\left[i\right] \leq 10^5$

Sample I/O:

Input 1:
4
61 94 12 44
Output 1:
2

Input 2:
3
212 639 144
Output 2:
0

3. K times

You're given a string **S** consisting of lower case English alphabets. You're also given an integer **k**.

Print all the characters appeared for exactly **k** times the given string.

Note:

- Print the output in alphabetical order.
- It's guaranteed that there will at least be one character that appears for exactly **k** times.

Input Format:
First line of input contains a string **S**.
Second line of input contains an integer **k**.

Output Format:
Print the output according to the description.

Constraints:
$1 \leq len\left(S\right), \quad k \leq 10^5$

Sample I/O:

Input 1:
iloveprogramming
2
Output 1:
g i m o r

Input 2:
aquickbrownfoxjumpesoverthelazydog
3
Output 2:
e