N Choose K

Objective
The objective of this problem is to test the students' understanding on **Recursion**.

Problem Description
Find out all possible combinations of choosing **K** letters out of an input string of **N** distinct letters. The input consists of an integer, **K** and a string of **N** distinct lowercase letters listed in alphabetical order.

Assume that $1 \leq \mathbf{N} \leq 16$ and $1 \leq \mathbf{K} \leq \mathbf{N}$. Print out all distinct letter combinations in alphabetical order: every combination can be represented as a string consisting of **K** letters listed in alphabetical order.

Note: The constraint of **N** is changed due to limitation in CodeCrunch. If **N** = 26 and **K** = 13, then the output size will be very big.

Input
The input consists of an integer **K** and **N** distinct letters listed in alphabetical order.

Output
Output all distinct letter combinations in alphabetical order.

Sample Input 1
```
2 abcd
```

Sample Output 1
```
ab
ac
ad
bc
bd
cd
```

Sample Input 2
```
4 abcd
```

Sample Output 2
```
abcd
```

Sample Input 3
```
1 abcd
```

Sample Output 3
```
a
b
c
d
```