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 $1 \leq N \leq 16$ and $1 \leq K \leq N$. 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	Sample Output 1
`2 abcd`	`ab`
	`ac`
	`ad`
	`bc`
	`bd`
	`cd`

Sample Input 2	Sample Output 2
`4 abcd`	`abcd`

Sample Input 3	Sample Output 3
`1 abcd`	`a`
	`b`
	`c`
	`d`

Note
The main Java class must be called **NChooseK**, and be in the source file **NChooseK**.java.