## 10776 Determine The combination

Jahir is a student of NSU (Nice Students' University). He hates the chapter Permutation \& Combination of the subject Discrete Math. But his teacher give him a assignment to generate all the r combination of a string. But he is too busy with his new girlfriend to do the assignment himself. So he went to Shabuj, a student of CSE (Calculation Science and Engineering) in BUET (Bangladesh University of Extraordinary Talents). He asked him to make a program to generate the combinations. But Shabuj is always lazy. He wants your help.

Your task is to print all different $r$ combinations of a string $s$ (a $r$ combination of a string $s$ is a collection of exactly $r$ letters from different positions in $s$ ).

There may be different permutations of the same combination; consider only the one that has its $r$ characters in non-decreasing order.

The string consists of only lowercase letters. Any letter can occur more than once.

## Input

The input is consist of several test cases. Each test case consists of a string $s$ (the length of $s$ is between 1 and 30) and an integer $r(0<r \leq$ length of $s)$.

## Output

For each test case you have to print all different $r$ combinations of $s$ in lexicographic order in separate line. You can assume there are at most 1000 different ones.

## Sample Input

## abcde 2

abcd 3
aba 2

## Sample Output

ab
ac
ad
ae
bc
bd
be
cd
ce
de
abc
abd
acd
bcd
aa
ab

