# Strings Mashup

Given a string str an integer n, write a program that prints all strings of length n that **consist only of letters from** str and are **lexicographically sorted***.* You can use one symbol **multiple times** in one string.

## Input

* You will receive a string – str – letters you must use to generate all solutions.
* You will receive an integer – n – max length of a string.

## Output

* Print all strings of length n that can be generated.

## Constraints

* str length will be in the range [1…26].
* str will consist only of unique chars.
* n will be in the range [1… 10].

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| cba  2 | aa  ab  ac  bb  bc  cc |
| bacefd  1 | a  b  c  d  e  f |