**ASTU ICPC CLUB**

**prob : crazy sort**

imagine you were given strings but in vertically in a column . There will be a multi line input . You will have to sort the strings according to there alphabetic order while keeping their vertical format ..

**input**

first line of input will be two positive integers less than 11. *n* and *m* referring to the number of rows and columns respectively . The next *n* lines of input will have *m* charcters each .when put in a matrix form they form strings from to to bottom

if n and m are both zero then it means its the end of input

**output**

a matrix of the sorted string with the strings still intact and a new line bettween each output

**sample input :**

3 3

oTs

nwi

eox

3 4

xAxa

yByb

zCyc

0 0

**sample output:**

osT

niw

exo

Aaxx

Bbyy

Ccyz