

# 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 between each output

### sample input :

```
3 3
oTs
nwi
eox
3 4
xAxa
yByb
zCyc
0 0
```

### sample output:

```
osT
niw
exo

Aaxx
Bbyy
Ccyz
```