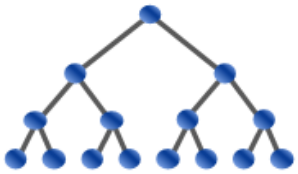
USA Computing Olympiad



USACO 2016 December Contest, Bronze
Problem 3. The Cow-Signal

Return to Problem List

Contest has ended.

Submitted; Results below show the outcome for each judge test case

1	2	3	4	5	6	7	8	9	10
* 32.3mb 195ms	* 32.5mb 195ms	* 32.1mb 202ms	* 32.0mb 206ms	* 32.2mb 185ms	* 32.0mb 185ms	* 32.0mb 189ms	* 32.0mb 196ms	* 32.1mb 200ms	* 32.3mb 209ms

English (en)

Bessie and her cow friends are playing as their favorite cow superheroes. Of course, everyone knows that any self-respecting superhero needs a signal to call them to action. Bessie has drawn a special signal on a sheet of $M \times N$ paper ($1 \le M \le 10, 1 \le N \le 10$), but this is too small, much too small! Bessie wants to amplify the signal so it is exactly K times bigger ($1 \le K \le 10$) in each direction.

The signal will consist only of the '.' and 'X' characters.

INPUT FORMAT (file cowsignal.in):

The first line of input contains M, N, and K, separated by spaces.

The next M lines each contain a length-N string, collectively describing the picture of the signal.

OUTPUT FORMAT (file cowsignal.out):

You should output KM lines, each with KN characters, giving a picture of the enlarged signal.

SAMPLE INPUT:

```
5 4 2
XXX.
X..X
XXX.
X..X
XXX.
```

SAMPLE OUTPUT:

```
XXXXXX..
XXXXXX..
XX....XX
XX....XX
XXXXXX..
XXXXXX..
XX....XX
XX....XX
XXXXXX..
XXXXXX..
```

Problem credits: Nathan Pinsker

Language: C

Source File: Choose File No file chosen

Submit Solution

Note: Many issues (e.g., uninitialized variables, out-of-bounds memory access) can cause a program to produce different output when run multiple times; if your program behaves in a manner inconsistent with the official contest results, you should probably look for one of these issues. Timing can also differ slightly from run to run, so it is possible for a program timing out in the official results to occasionally run just under the time limit in analysis mode, and vice versa. Note also that we have recently changed grading servers, and since our

run just under the time limit in analysis mode, and vice versa. Note also that we have recently changed grading servers, and since our new servers run at different speeds from the servers used during older contests, timing results for older contest problems may be slightly off until we manage to re-calibrate everything properly.