

## Problem J3: Icon Scaling

### Problem Description

You have been asked to take a small icon that appears on the screen of a smart telephone and scale it up so it looks bigger on a regular computer screen.

The icon will be encoded as characters (x and \*) in a  $3 \times 3$  grid as follows:

```
*x*
 xx
*  *
```

Write a program that accepts a positive integer scaling factor and outputs the scaled icon. A scaling factor of  $k$  means that each character is replaced by a  $k \times k$  grid consisting only of that character.

### Input Specification

The input will be a positive integer  $k$  such that  $k < 25$ .

### Output Specification

The output will be  $3k$  lines, which represent each individual line scaled by a factor of  $k$  and repeated  $k$  times. A line is scaled by a factor of  $k$  by replacing each character in the line with  $k$  copies of the character.

### Sample Input

3

### Output for Sample Input

```
* * * x x x * * *
* * * x x x * * *
* * * x x x * * *
      x x x x x x
      x x x x x x
      x x x x x x
* * *      * * *
* * *      * * *
* * *      * * *
```