

## Solution for "The Cow-Signal" Bronze December 2016

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Let's examine a sample case:

```
5 4 2

XXX.

X..X

XXX.

X..X

XXX.
```

Here, we have a 5x4 grid, and we want to duplicate it horizontally and vertically. Duplicating it vertically is relatively simple because we just print each row 2 times. Now, to duplicate it horizontally, we must print each character within the row 2 times. Once we do this, we get the following:

To extend this solution to a general case, we read in the input row by row. With each row, we print it out again, but we print each character k times. We complete this process a total of k times for each row such that for each input row, we get a total of k output rows.