Spiraling

Your task is to receive a number and create a spiral star pattern based on the number received.

The spiral must leave "white space" between lines. Use a dash to represent white space

Your input file is composed of a number of lines of dimension information. Each line of the file has the following format:

· The number will represent the dimensions of an array of stars that will be displayed.

For example,

o If a 1 is received, you will create a 1x1 spiral pattern.

```
*
```

o If a 2 is received, you will create a 2x2 spiral pattern.

```
*        *

-        *
```

o If a 3 is received, you will create a 3 x 3 spiral pattern.

```
*        *        *

-        -        *

*        *        *
```

o If a 7 is received, you will create a 7 x 7 spiral pattern.

```
*      *      *      *      *      *      *

-      -      -      -      -      -      *

*      *      *      *      *      -      *

*      -      -      -      *      -      *

*      -      *      *      *      -      *

*      -      -      -      -      -      *

*      *      *      *      *      *      *
```

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So, if the input file has the contents:

1

2

3

4

7

Then the output should look as follows:

```
*

*       *

-       *

*       *       *

-       -       *

*       *       *

*       *       *       *

-       -       -       *

*       -       -       *

*       *       *       *

*       *       *       *       *       *       *

-       -       -       -       -       -       *

*       *       *       *       *       -       *

*       -       -       -       *       -       *

*       -       *       *       *       -       *

*       -       -       -       -       -       *

*       *       *       *       *       *       *
```