Write a program that prints all the ways to place \( k \) kings on a \( n \times n \) board so that no king threatens another king. Remember that a king threatens all the surrounding cells, either horizontally, vertically, or diagonally.

For instance, these are some ways to place 3 kings on a 4 × 4 board:

```
K.K.
.KK.
.KK

.KK
.K.

.K
K.K.

.K
.K.K
.K

.KK.
.KK.
.KK
```

**Input**

Input consists of two natural numbers \( n > 0 \) and \( 0 \leq k \leq n^2 \).

**Output**

Print all the ways to place \( k \) kings on a \( n \times n \) board so that no king threatens another king. Mark the kings with a ‘\( K \)’, and the empty cells with a dot. Print a line with ten hyphens after every board.

**Information about the checker**

You can print the solutions to this exercise in any order.

**Observation**

The test cases of this problem do not require a very clever algorithm.

**Sample input 1**

\[
2 1
\]

**Sample output 1**

```
K.
..-----------------
.K
..-----------------
..-----------------
.K
..-----------------
..K
-----------------
```
Sample input 2
3 4

Sample output 2
K.K
...
K.K
----------

Sample input 3
3 5

Sample output 3

Sample input 4
3 3

Sample output 4
K.K
...
K.
----------
K.K
...
.K.
----------
K.K
...
..K
----------
K.
...
.K.
----------
..K
...
..K
----------
..K
...
K.K
----------