This exercise has the same statement that; the only difference is that now you can use vectors to solve it.

Write a program that reads the dimensions of a pool table, and that prints with zeros the trajectory of a ball after hitting it in the upper left corner with an angle of 45 degrees.

**Input**

Input consists of several cases, each with the number of rows and the number of columns. Both numbers are, at least, 2. None of the numbers is “too big”.

**Output**

Print every pool table as shown in the examples, and an empty line after each table.

**Sample input**

```
7 4
10 16
```

**Sample output**

```
#####
#0 #
# 0 #
# 0 #
# 0 #
# 0 #
#0 #
####

#0 0 0 0 0 #
# 0 0 0 0 0 #
# 0 0 0 0 0 #
# 0 0 0 0 0 #
#0 0 0 0 0 #
# 0 0 0 0 0 #
#0 0 0 0 0 #
#####
```

**Problem information**

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