# Concentric squares



SEASON 9 - FOURTH ROUND

You have to draw N concentric squares. The borders of those squares are made out of the character "#" and the first (innermost) square is just a single "#". Each of the following squares entirely encompases the previous, while leaving a single line of empty space ("."). See the examples for clarification.

# Input

From the first line of the input file concentric\_squares.in the number of concentric squares N is entered.

## **Output**

In the output file <code>concentric\_squares.out</code> print 4\*N-3 lines with 4\*N-3 characters each - the drawn concentric squares.

### **Constraints**

 $1 \le N \le 50$ 

Time limit: 0.3 seconds Memory limit: 256 MB

## **Example**

<pre>Input (concentric_squares.in)</pre>	Output (concentric_squares.out)
1	#
2	####
	##
	#.#.#
	##
	####
3	########
	##
	#.####.#
	#.##.#
	#.#.#.#
	#.##.#
	#.####.#
	##
	########