Problem C

Spiral

Time limit: 1s Memory Limit: 8MB

Given a number N. Print a spiral that looks like the output below.

Input

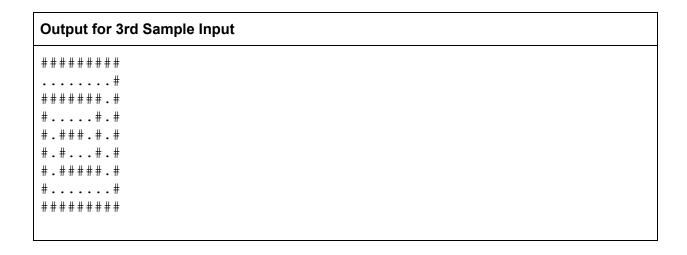
The input consist an integer N $(1 \le N \le 101)$, that represents the number N. It is guaranteed that N mod 4 = 1

Output

9

Output spiral that looks like in sample case.

1st Sample Input
1
Output for 1st Sample Input
#
2nd Sample Input
5
Output for 2nd Sample Input
#####
#
###.#
##
####
3rd Sample Input



Note: Always print a newline (\n) at the end of the answer.