

E. Chessboard

time limit per test: 2 seconds
memory limit per test: 256 megabytes
input: standard input
output: standard output

Chessboard is a board of $n \times n$ squares arranged in two alternating colors (black and white). Top left square is white. You are given board size n . Output an image of a chessboard, with black and white squares marked with '#' and '.' characters, respectively.

Input

The only line of input contains an integer n ($1 \leq n \leq 9$).

Output

Output an image of $n \times n$ chessboard.

Examples

input
4
output
.#.# #.#. .#.# #.#.