Problem 3 – Striped Towel

The summer is almost over, but you still plan to have a summer vacation on the beach. Since our Black Sea is quite polluted nowadays, you plan to go to the Mediterranean Sea. A lot of people are going there, so you want to stand out of the crowd on the beach. You want to create your own design for a beach towel and have it in any possible size, so you can order to a very well-known local producer a full package for your family.

Your first steps in programming have led you to the conclusion that you can create a program to display your design. The width of the towel will be given as integer number. The height is calculated as the width, multiplied by 1,5 and rounded down to the nearest integer. The design, you have chosen, is one with diagonal stripes. It follows this pattern:

The diagonal stripes are represented by '#'. The space between the stripes is represented as '..'. The towel always starts with a stripe in the top-left corner and follows the pattern stripe-space-stripe-space. The stripes are going from top-right to bottom-left. See the examples for more clarity.

Input

The input should be read from the console. It will consist of a single line, holding the width of the towel.

Output

The output should be the towel design, based on the input value.

Constraints

- The width will be valid integer, in the range [3 … 151].
- Allowed working time for your program: 0.25 seconds.
- Allowed memory: 16MB.

Examples

Input	Output
7	#..#..# ..#..#. .#..#.. #..#..# ..#..#. .#..#.. #..#..# ..#..#. .#..#.. #..#..#

Input	Output
9	#..#..#.. ..#..#..# .#..#..#. #..#..#.. ..#..#..# .#..#..#. #..#..#.. ..#..#..# .#..#..#. #..#..#.. ..#..#..# .#..#..#. #..#..#..

Input	Output
5	#..#. ..#.. .#..# #..#. ..#.. .#..# #..#.