

## Problem G. Rectangle-free Grid

Input file: *no input*  
Output file: *standard output*  
Time limit: 1 second  
Memory limit: 256 mebibytes

Construct an  $N \times N$  grid with the following conditions:

- $2 \leq N \leq 150$
- Each cell is filled with either '0' or '.'.
- There are at least 1700 cells with '0'.
- For each tuple of four integers  $i, j, k, l$  such that  $1 \leq i < j \leq N$  and  $1 \leq k < l \leq N$ , at least one of the four cells  $(i, k)$ ,  $(i, l)$ ,  $(j, k)$ ,  $(j, l)$  is filled with '.'.

### Input

There is no input.

### Output

The first line should contain an integer  $N$ . The following  $N$  lines should contain  $N$  characters each ('0' or '.'), and these  $N$  lines describe the grid.

### Example

no input	standard output
	5
	.....
	.....
	..000
	...0.
	..0..

### Note

Output for this example satisfies all conditions but the third (number of '0' in the grid).