Shading Squares

Task. Write an algorithm to determine if it is possible to shade n squares in an infinite grid paper so that for every shaded square the number of neighboring shaded squares would be even (but not zero).

If that is possible, provide at least one solution.

The squares are neighboring if they share a side.

Examples.

Input	Output
2	`NEGALIMA`

Input	Output

8	`***`
	`* *`
	`***`

Constraints. $1 \leq n \leq 25$.