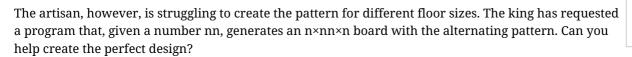
[PI002] - The Chessboard Challenge

In the kingdom of CodeLand, a royal artisan has been tasked with designing a beautiful, alternating pattern for the castle's grand floor. The pattern must follow strict rules—each tile must alternate between two symbols: # and _, just like a classic chessboard.





Input

You are given as input an integer n $(1 \le n \le 20)$ representing the size of a nxn board.

Output

A $n \times n$ grid where each cell alternates between # and _. The top-left square should always be #.

Input/Output Examples

Input 2	Output 2
3	#_# _#_ #_#

Input 2	Output 2
4	#_#_ _#_# #_#_ _#_#

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