Nirmani's Star Patterns



Nirmani loves finding star patterns in the night sky. She started playing a game where on each night, she has to find a star pattern in the shape of a right-angled triangle. There has to be an equal number of stars in the two adjacent sides of the right angle.

On the first night (N=1), the goal is to find the star pattern with just one star. That is,

		•	
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On the second night <i>(N=2)</i> ,			
*			
On the third night <i>(N=3)</i> ,			
* ** **			
On the 4th night <i>(N=4)</i> ,			
*			

And so on...

She requested you to help her out by building a program that prints the star pattern she should find on the N^{th} night.

Input Format

A single integer N, indicating the N^{th} night.

Constraints

• 1 ≤ N ≤ 1000

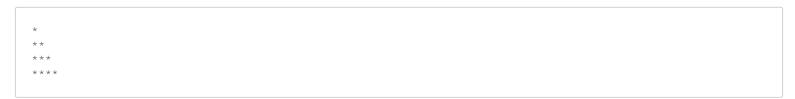
Output Format

A star pattern in the shape of a right-angled triangle aligned to the left, with \mathbf{N} rows, where the last row contains \mathbf{N} stars. You must not include any spaces between stars in the same row.

Sample Input 0

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Sample Output 0



Sample Input 1

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Sample Output 1

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