

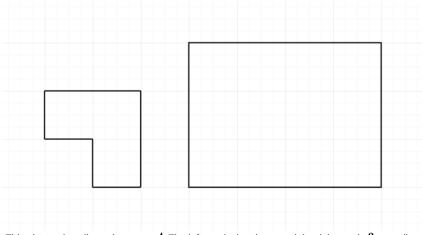


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PROBLEMS SUBMIT STATUS STANDINGS CUSTOM TEST

# A. Filling Shapes

time limit per test: 1 second memory limit per test: 256 megabytes input: standard input output: standard output



This picture describes when n=4. The left one is the shape and the right one is 3 imes n tiles.

#### Innut

The only line contains one integer n ( $1 \le n \le 60$ ) — the length.

#### Output

Print the number of ways to fill.

## Examples

input	Сору
4	
output	Сору
4	
input	Сору
1	
output	Сору
0	

### Note

In the first example, there are 4 possible cases of filling.

In the second example, you cannot fill the shapes in  $3 \times 1$  tiles.

output: standard output

You have a given integer n. Find the number of ways to fill all  $3 \times n$  tiles with the shape described in the picture below. Upon filling, no empty spaces are allowed. Shapes cannot overlap.

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Start virtual contest

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Codeforces Round #566 (Div. 2)

**Finished** 

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