



# RecursionPath01 - Factorial

ORGANIZATIONS

Java May'19 DSA Recursion 1 - 2 days 15:35:11

Given  $n$  of 1 or more, return the factorial of  $n$ , which is  $n (n-1) (n-2) \dots 1$ . Compute the result recursively (without loops).

## Input

On the first line you will be given  $n$ .

## Output

On the only output line you should print  $F(n)$ .

## Constraints

$n > 1$

## Sample tests

### Input

1

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### Output

1

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### Input

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✓ **Points:** 100  
(partial)  
⌚ **Time limit:** 0.5s  
📄 **Memory limit:**  
32M  
✍ **Author:**  
[stelyan](#)

🏷 **Tags**  
Recursion  
⬆ **Difficulty**  
Easy



## Output

120

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## ? Clarifications

No clarifications have been made at this time.