Yandex (    Hello Muscat Programming bootcamp 2019 by Moscow Workshops ICPC              Logout

# Day 1 Div C. Dynamic Programming

|  |  |
|---|---|
| ⊘ | 9 Mar 2019, 20:46:39 |
| start: | 9 Mar 2019, 17:00:00 |
| finish: | 9 Mar 2019, 21:00:00 |
| till the end: | 00:13:18 |
| start: | 9 Mar 2019, 17:00:00 |
| end: | 9 Mar 2019, 21:00:00 |
| duration: | 04:00:00 |

## H. Staircases

| Time limit | 1 second |
|---|---|
| Memory limit | 64Mb |
| Input | standard input or input.txt |
| Output | stdandard output or output.txt |

One curious child has a set of $N$ little bricks. From these bricks he builds different staircases. Staircase consists of steps of different sizes in a strictly descending order. It is not allowed for staircase to have steps equal sizes. Every staircase consists of at least one step and each step contains at least one brick. Picture gives examples of staircase for N=11 and N=5:



Your task is to write a program that reads the number N and writes the only number $Q$ — amount of different staircases that can be built from exactly N bricks.

## Input format

The only integer $N$ ($1 \leq N \leq 100$) — the amount of bricks.

## Output format

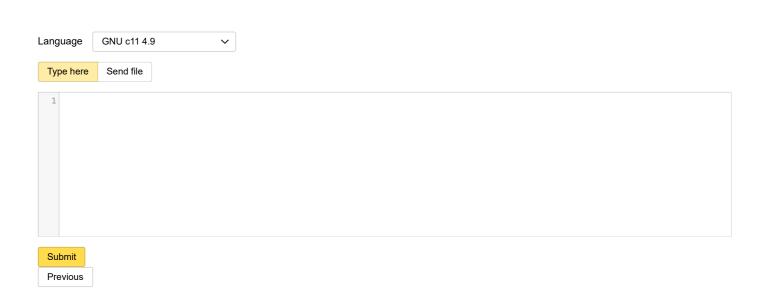Print one integer $Q$ — the answer to the problem.

## Sample 1

| Input | Output |
|---|---|
| 1 | 1 |

## Sample 2

| Input | Output |
|---|---|
| 7 | 5 |

## Sample 3

| Input | Output |
|-------|--------|
| 100   | 444793 |

Language    GNU c11 4.9 ⌄

**Type here**    Send file

```
1
```

**Submit**

Previous