

Staircase of Recursion

Published by [Matt](#) in [Java](#) ▾

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Write a function that returns the number of ways a person can climb **n stairs**, where the person may only climb **1** or **2** steps at a time.

To illustrate, if **n = 4** there are **5** ways to climb:

```
[1, 1, 1, 1]
[2, 1, 1]
[1, 2, 1]
[1, 1, 2]
[2, 2]
```

Examples

```
waysToClimb(1) → 1
```

```
waysToClimb(2) → 2
```

```
waysToClimb(5) → 8
```

Notes

A staircase of height `0` should return `1`.

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ProTip

Ctrl + Enter to check code.

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