

THE TEACHERS' ASCII DOCTOR STARTER KIT

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LET'S TEST SOME GO

Every test is written in a file whose name ends with `_test.go`

```
func Test_walks(t *testing.T) { ❶
    result := walks(4,4)
    if result != 20 {
        t.Error("incorrect result: expected 20, got", result) ❷
    }
}
```

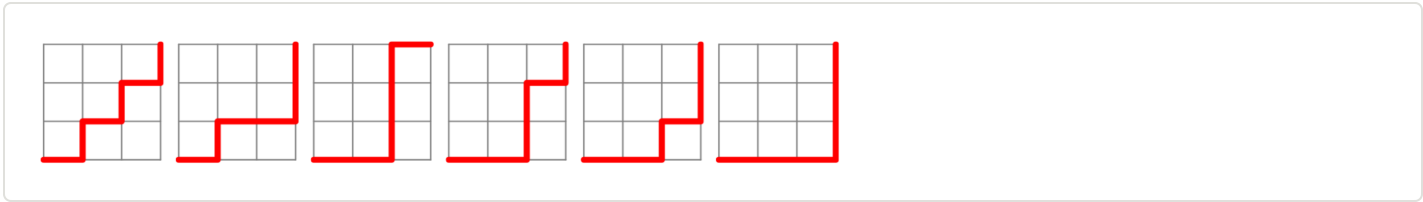
60

- ❶ Requires the *testing* package
- ❷ Error call

The section below has an example of some walks.

STAIRCASE WALKS

Six of the 20 possible walks for a 4 × 4 grid



THE RELATIONSHIP

The number of staircase walks on a grid with m horizontal lines and n vertical lines is given by

$$\binom{m+n}{n} = \frac{(m+n)!}{m!n!}$$

YOUR TURN: PROVE THE FORMULA ABOVE

Your Turn: Prove the formula above

The amount of space here is controlled by the CSS classes `.space-sm`, `.space-md`, etc. See `simple-reveal.css` to customize the amounts.

DRAW YOUR OWN WALK!

