

```
> spago test
```

GSet - Grow-only set » Int laws

- ✓ should be associative
- ✓ should be commutative
- ✓ should be idempotent
- ✓ should have a neutral element

GSet - Grow-only set » String laws

- ✓ should be associative
- ✓ should be commutative
- ✓ should be idempotent
- ✓ should have a neutral element

2PSet - Two-phase Set » Int laws

- ✓ should be associative
- ✓ should be commutative
- ✓ should be idempotent
- ✓ should have a neutral element

2PSet - Two-phase Set » String laws

- ✓ should be associative
- ✓ should be commutative
- ✓ should be idempotent
- ✓ should have a neutral element

GCounter - Grow-only counter » laws

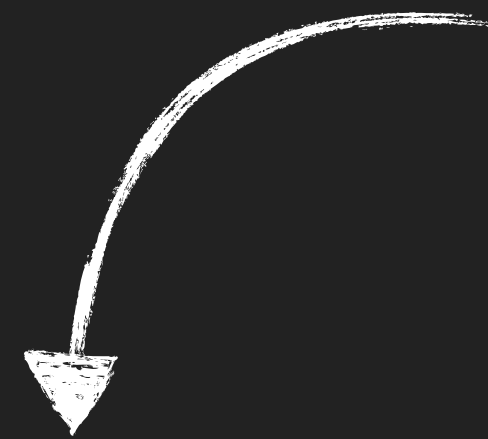
- ✓ should be associative
- ✓ should be commutative
- ✓ should be idempotent
- ✓ should have a neutral element

OPCounter - Operation-based counter » laws

- ✓ should be commutative
- ✓ should have complementary generateOperations / applyOperation functions

A single test run generates hundreds of test cases, giving us a reasonable level of confidence that our implementation is correct

Operation-based CRDTs can be tested the same way



Revisiting the `StateBasedCRDT` class