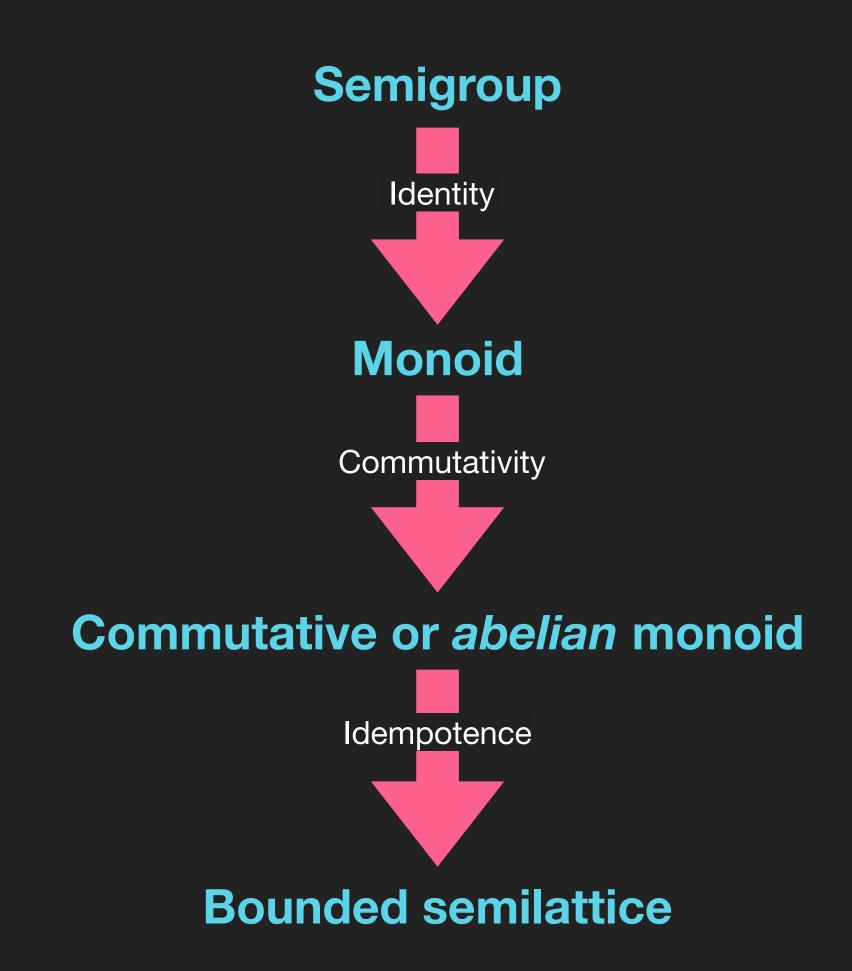
A monoid, which is also commutative and idempotent is a **bounded semilattice**

```
class Semigroup a where
  append :: a → a → a

class Semigroup m ≤ Monoid m where
  mempty :: m

class Monoid m ≤ CommutativeMonoid m

class CommutativeMonoid m
  ≤ BoundedSemilattice m
```



I'm a programmer, why do I care?