- Because merge is commutative,
 Stanley and Lily can sync their local states in any order
- Because merge is idempotent, in the event of a network failure,
 Stanley and Lily can sync their local states multiple times for the same updates, and still end up with a consistent state

The G-Set

From a programmer's perspective

```
-- | A simple grow-only set, where the merge function is just a union of the sets
newtype GSet t = GSet (Set.HashSet t)
instance stateBasedCRDTGSet :: (Hashable t) \Rightarrow StateBasedCRDT (GSet t) where
   merge (GSet a) (GSet b) = GSet $ a \Leftrightarrow b
query :: forall t. GSet t → Set.HashSet t
query (GSet set) = set
insert :: forall t. Hashable t \Rightarrow t \rightarrow GSet t \rightarrow GSet t
insert value (GSet set) = GSet $ Set.insert value set
```