```
-- A set that supports adding elements, or removing it definitively
-- Removed elements are kept around in a special *tombstone* set.
data TwoPhaseSet t
  = TwoPhaseSet (GSet.GSet t) (GSet.GSet t)
insert :: forall t. Hashable t \Rightarrow t \rightarrow TwoPhaseSet t \rightarrow TwoPhaseSet t
insert value (TwoPhaseSet a b) = TwoPhaseSet (GSet.insert value a) b
remove :: forall t. Hashable t \Rightarrow t \rightarrow TwoPhaseSet t \rightarrow TwoPhaseSet t
remove value (TwoPhaseSet a b) = TwoPhaseSet a $ GSet.insert value b
query :: forall t. Hashable t \Rightarrow TwoPhaseSet t \rightarrow Set.HashSet t
query (TwoPhaseSet a b) = Set.difference (GSet.query a) (GSet.query b)
```

Demo time!