

# HELPER FUNCTIONS REDUX

`unD :: Diagram → [Prim]`

`unD (Diagram (Dual (ps))) = ps`

`prim :: Prim → Diagram`

`prim p = Diagram (Dual [p])`

`mkD :: [Prim] → Diagram`

`mkD ps = Diagram (Dual ps)`

### PROS

- ▶ Automatically derive semigroup & monoid

### CONS

- ▶ Lots of wrapping/unwrapping of data