

### DIAGRAM DEFINITION

```
newtype Diagram =  
    Diagram (Dual [Prim], Envelope)  
    deriving (Semigroup, Monoid)
```

### HELPER FUNCTIONS

```
unD (Diagram (Dual ps, _)) = ps  
prim p = Diagram (Dual [p], envelopeP p)  
mkD = hom prim  
envelope (Diagram (_, e)) = e
```

VARIATION 4

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TRACES