DIAGRAM DEFINITION

```
newtype Diagram =

  Diagram (Dual [Prim], Envelope, Trace)

  deriving (Semigroup, Monoid)
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HELPER FUNCTIONS

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

prim p = Diagram (Dual [p], envelopeP p, traceP p)

mkD = hom prim

envelope (Diagram (_, e, _)) = e

trace (Diagram (_, _, t)) = t
```