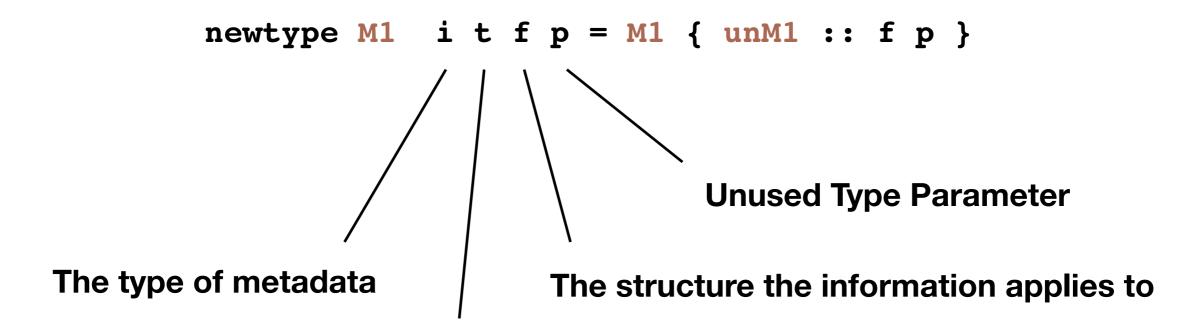# GHC.Generics

From GHC.Generics documentation

```
data Tree a = Leaf a | Node (Tree a) (Tree a)
   deriving Generic
```

```
instance Generic (Tree a) where
  type Rep (Tree a) =
    Rec0 a
    :+:
    (Rec0 (Tree a) :*: Rec0 (Tree a))
```

Metadata Fields

```
newtype M1  i t f p = M1 { unM1 :: f p }
```

Unused Type Parameter

The type of metadata

The structure the information applies to

The actual metadata