Monads

```
forecast Handler A
```

Bind Operator (>>=)

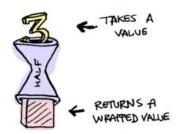
Monads



Consider that *half* is a function that only makes sense on even numbers:

We can see the function like this: Given a value, return a packed value.

But then we can't stuff packed values into it!





We need a function that unpacks, applies half and leaves encapsulated.



This function is called >>= (pronounced bind)

The operator >>= is an operation of the class Monad:

```
class Applicative m => Monad m where
 (>>=) :: m a -> (a -> m b) -> m b
```

The type Maybe is istance of Monad:

```
instance Monad Maybe where
Nothing >>= f = Nothing
Just x >>= f = f x
```

Instructor Youtube Channel: Lucas Science



