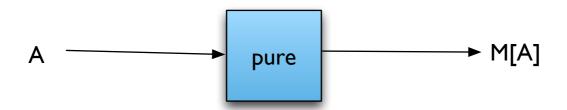
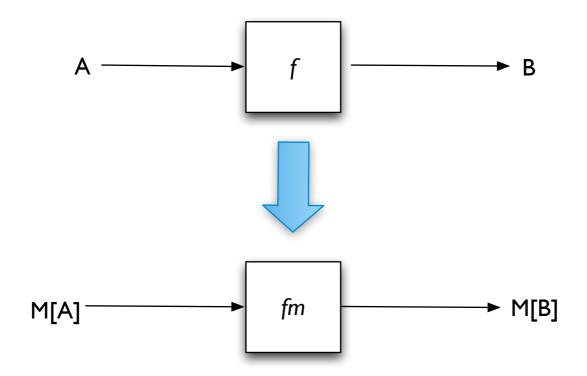
## Pure



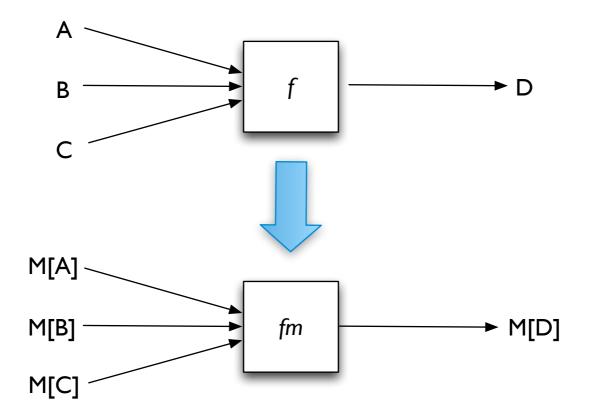
def wrap(a: A): M[A] = a.pure[M]

# **Functor**



def fm(ma: M[A]) = ma map f

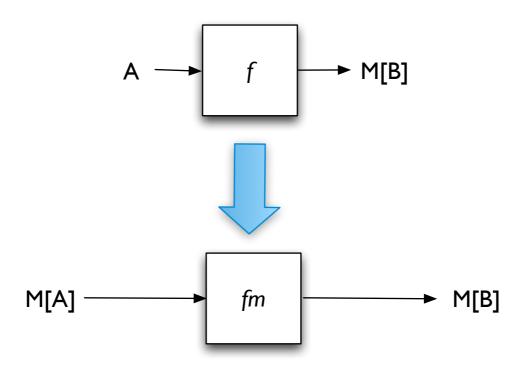
# **Applicative Functor**



## Monad

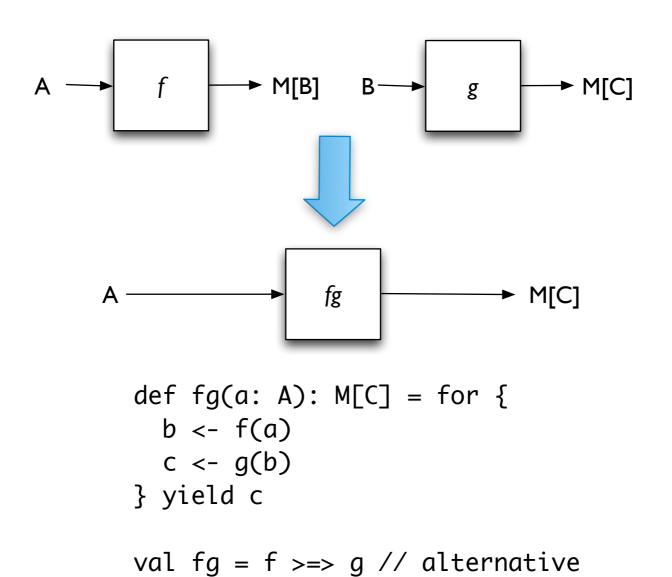


### Monad

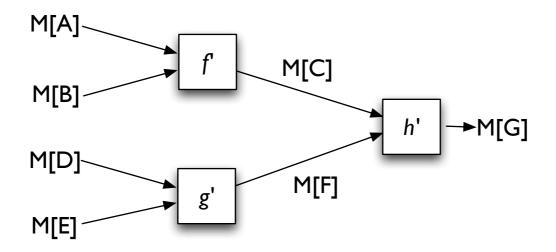


```
def fm(ma: M[A]): M[B] = for {
  b <- f(a)
} yield b</pre>
```

#### Monad



# **Applicative Functor**



```
val mc = (ma |@| mb)(f)
val mf = (me |@| md)(g)
val mg = (mc |@| mf)(h)
```