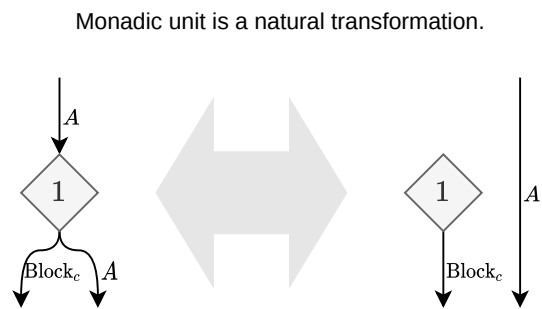
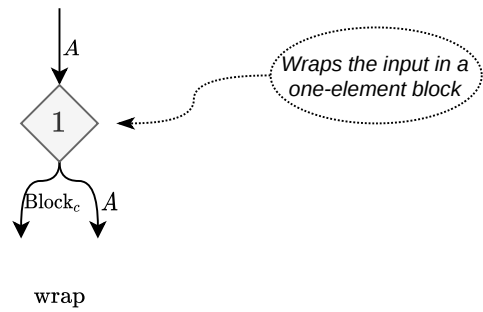


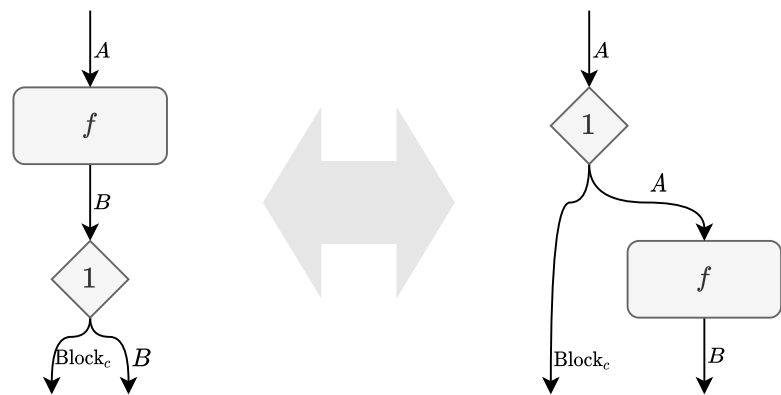
# Monadic Interface



# Monadic Unit



Indeed, for any  $f : A \rightarrow B$ ,



$\text{chain\_of}(f, \text{wrap}) \equiv \text{chain\_of}(\text{wrap}, \text{with\_elements}(f))$

# Using Monadic Unit

Monadic unit can adapt any regular transformation to the monadic interface.



# Monadic Interface: Examples



} *Collections of database entities*



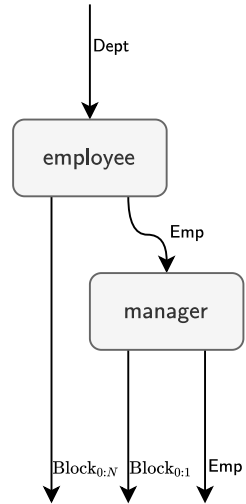
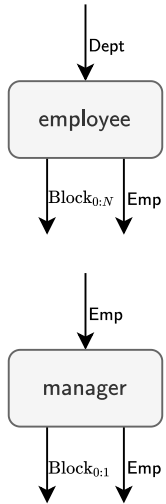
} *Department attributes*

*Employee attributes* }

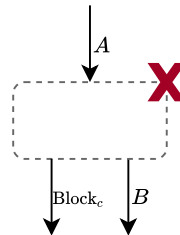


# Composition Challenge

Two monadic transformations  
can be composed.



But the composition  
does not satisfy  
the monadic interface.



# Monadic Multiplication

