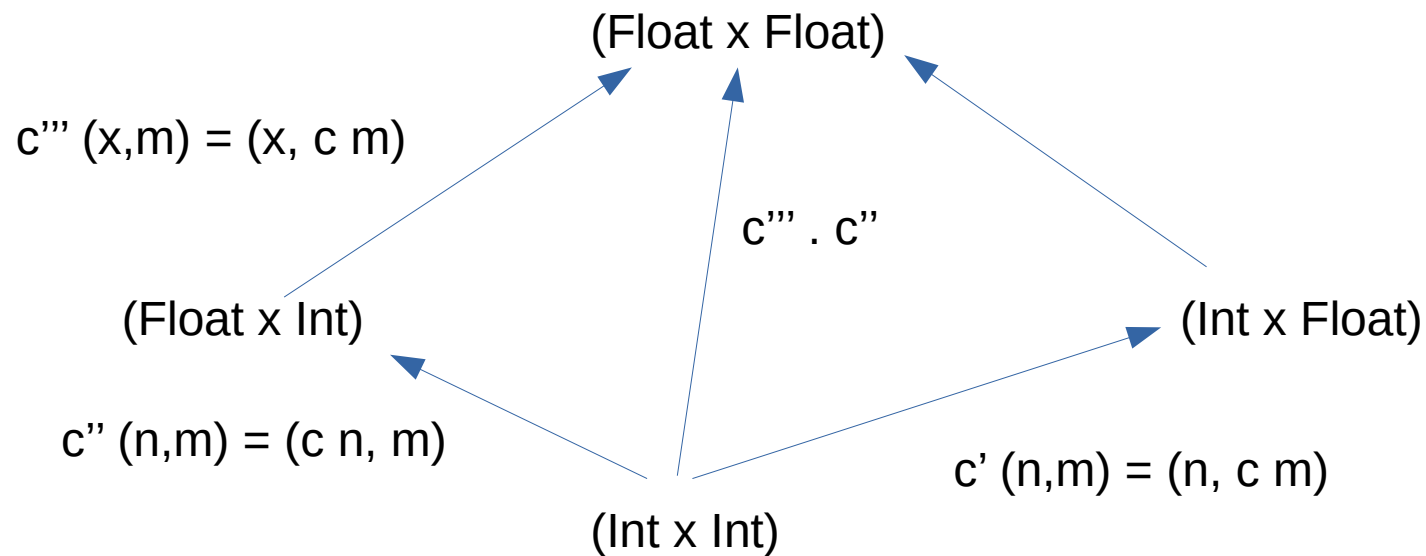Suppose I have a coercion function   c : Int → Float
 Can I use that that to make a conversion function for my two product types?

(Float x Float)

c''' (x,m) = (x, c m)

c''' . c''

(Float x Int)

(Int x Float)

c'' (n,m) = (c n, m)

c' (n,m) = (n, c m)

(Int x Int)
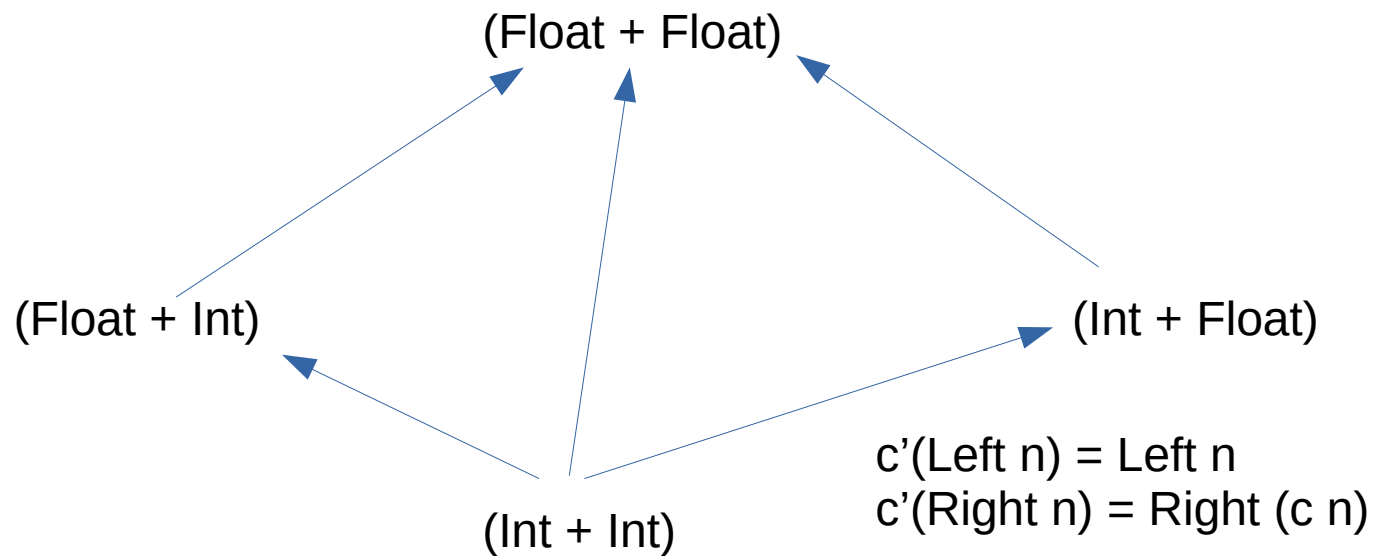
Suppose I have a coercion function   c : Int → Float
 Can I use that that to make a conversion function for my two product types?

(Float + Float)

(Float + Int)

(Int + Float)

(Int + Int)

c'(Left n) = Left n
c'(Right n) = Right (c n)

Suppose I have a coercion function   c : Int → Float
 Can I use that that to make a conversion function for my two product types?

(Float -> Float)

c''' f = λx. c(f x)

(Float -> Int)

c'' f = λx. f(c x)

(Int -> Int)

c' f = λx. c(f x)

(Int -> Float)