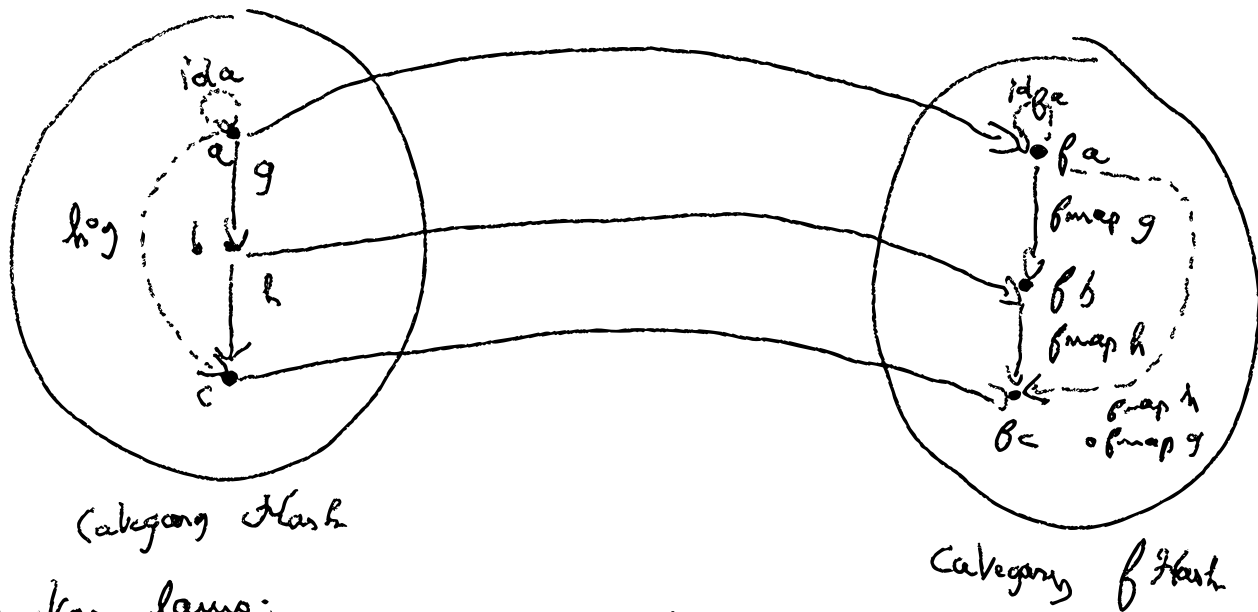


# The Hasckell Functor picture

$fmap :: (a \rightarrow b) \rightarrow f a \rightarrow f b$   
 with  $f :: * \rightarrow *$  (ex: `Maybe`, `[]`, ...)



Functor laws:

identity:  $fmap\ g \cdot id_a = id_{f\ a} \cdot fmap\ g$

associativity:  $fmap\ h \cdot g = fmap\ h \cdot fmap\ g$