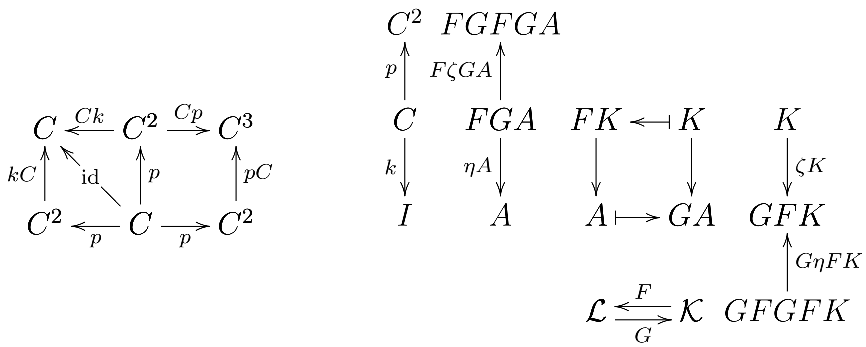
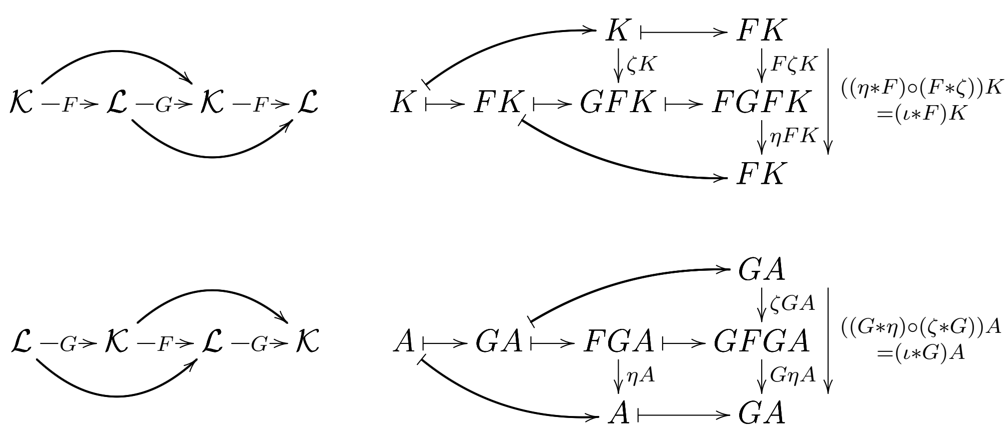
Notes on [Kleisli65]:
"Every standard construction is induced by a pair of adjoint functors"
Proc. Amer. Math. Soc. 16 (1965), 544-546
https://doi.org/10.1090/S0002-9939-1965-0177024-4
https://www.ams.org/journals/proc/1965-016-03/S0002-9939-1965-0177024-4/
https://www.ams.org/journals/proc/1965-016-03/S0002-9939-1965-0177024-4/S0002-9939-1965-0177024
pdf

These notes are at:
http://angg.twu.net/LATEX/2020notes-kleisli.pdf

(Page 544):
Left: equations (3) and (4);
Right: notation for the adjunction.



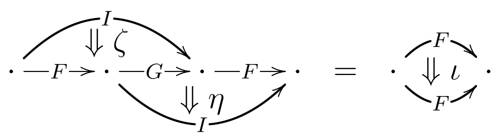
The equations (1) and (2):

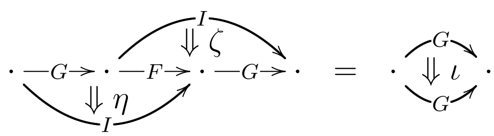


The triangular identities for an adjunction, in Kleisli's notation, are:

(1) $(\eta * F) \circ (F * \zeta) = \iota * F$
(2) $(G * \eta) \circ (\zeta * G) = \iota * G$

or, in diagrams:





The he defines a comonad induced by that adjunction
Def: $(FG, \eta, F * \zeta * G) =: (C, k, p)$