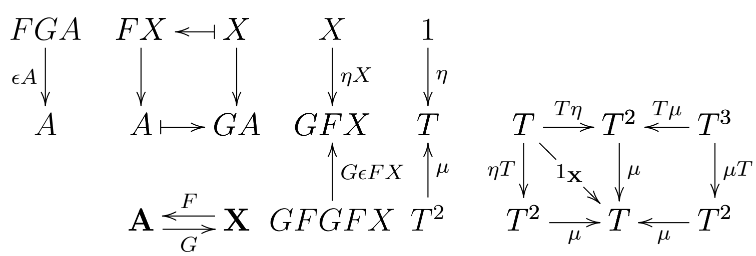
Notes on John MacDonald and Manuela Sobral's "Aspects of Monads":
https://doi.org/10.1017/CBO9781107340985.008
a chapter of "Categorical Foundations: Special Topics in Order, Topology, Algebra, and Sheaf Theory", edited by Maria Cristina Pedicchio and Walter Tholen, Cambridge, 2003.

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

1.2. Monads

(Page 216):

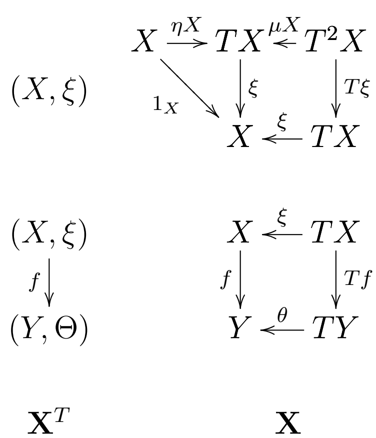
A monad on a category $\mathbf{X}$ is a system (T, η, μ)...
(Page 217):
Proposition: any adjunction $(F, G, \eta, \epsilon) : \mathbf{X} \rightharpoonup \mathbf{A}$ determines a monad...



1.3. The Eilenberg-Moore Construction

(Page 217):

...category of T-algebras which will be denoted by $\mathbf{X}^T$.



The Eilenberg-Moore adjunction

(Page 218):

Proposition: For a monad $T = (T, \eta, \mu)$ on $\mathbf{X}$ there is a free-forgetful adjunction

$$\mathbf{X}^T \underset{F^T}{\overset{G^T}{\rightleftarrows}} \mathbf{X}$$

which induces the monad T in $\mathbf{X}$.