

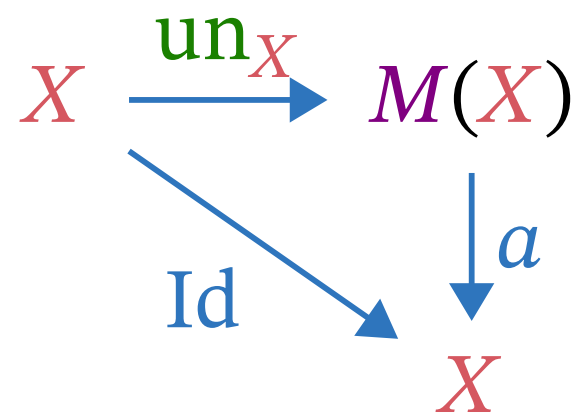
Definition (Algebra of a monad). Let $\langle M, \text{un}, \text{mu} \rangle$ be a monad on a category \mathbf{C} . An algebra of M (also called an M -algebra) is specified by:

Constituents

1. an object X of \mathbf{C} ;
2. a morphism $a : M(X) \rightarrow X$ of \mathbf{C} .

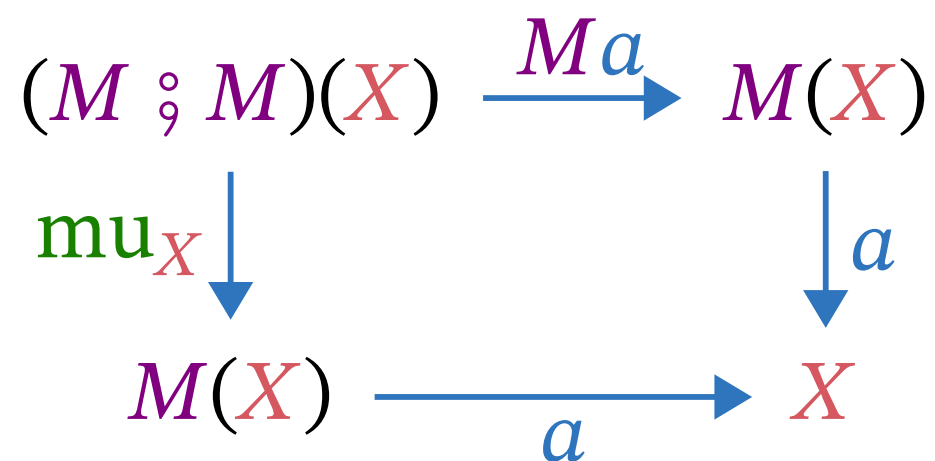
Conditions

1. *Unit*: the diagram



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2. *Composition*: the diagram



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