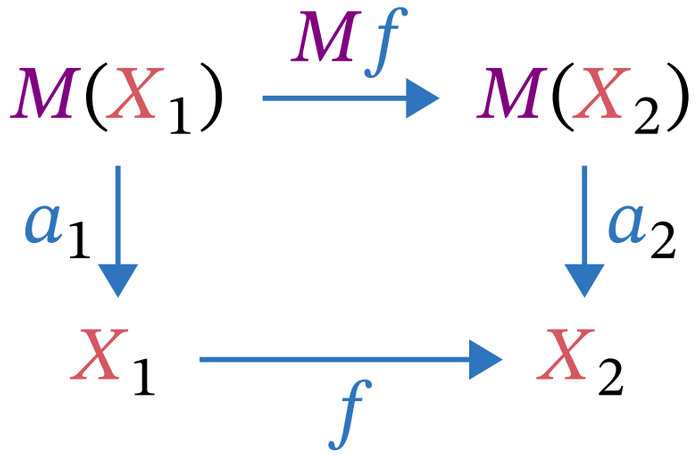
Definition (M-algebra morphism). Let $\langle M, \mathrm{un}, \mathrm{mu} \rangle$ be a monad on a category **C**, and let $\langle X_1, a_1 \rangle$ and $\langle X_2, a_2 \rangle$ be algebras of M. A morphism $\langle X_1, a_1 \rangle \to \langle X_2, a_2 \rangle$ of M-algebras is specified by:

Constituents

1. A morphism $f : X_1 \to X_2$ in **C**.

Conditions

1. The diagram



commutes.