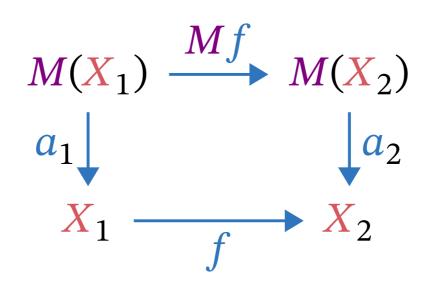
**Definition** (M-algebra morphism). Let  $\langle M, \text{un}, \text{mu} \rangle$  be a monad on a category  $\mathbb{C}$ , and let  $\langle X_1, a_1 \rangle$  and  $\langle X_2, a_2 \rangle$  be algebras of M. A morphism  $\langle X_1, a_1 \rangle \to \langle X_2, a_2 \rangle$  of M-algebras is specified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

## Constituents

1. A morphism  $f: X_1 \to X_2$  in  $\mathbb{C}$ .

## Conditions

1. The diagram



commutes.