

Inline definition: $f : A \rightarrow A, a \mapsto f(a)$ like this.

Display definition:

$$\begin{aligned}f : A &\rightarrow A \\a &\mapsto f(a)\end{aligned}$$

like this.

Inline definition: $f : A \rightarrow A, a \mapsto f(a), f(a) := a^a$ like this.

Display definition:

$$\begin{aligned}f : A &\rightarrow A \\a &\mapsto f(a) \\f(a) &:= a^a\end{aligned}$$

like this.