

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

Display definition:

$$\begin{array}{l} f : A \rightarrow A \\ a \mapsto f(a) \end{array}$$

like this.

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

Display definition:

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

like this.