$$
\begin{array}{ccc}
\langle 1, a \rangle & \longmapsto & a \\[1em]
\mathbf{A} + \emptyset & \xrightarrow{\mathrm{ru_A}} & \mathbf{A} \\[1em]
f + \mathrm{id}_\emptyset \downarrow & & \downarrow f \\[1em]
\mathbf{A}' + \emptyset & \xrightarrow{\mathrm{ru_{A'}}} & \mathbf{A}' \\[1em]
\langle 1, f(a) \rangle & \longmapsto & f(a)
\end{array}
$$