

$$\begin{array}{ccc}
 \{\bullet\} \times A & \xrightarrow{\lambda_A} & A \\
 1 \times f \downarrow & & \downarrow f \\
 \{\bullet\} \times A' & \xrightarrow{\lambda_{A'}} & A'
 \end{array}
 \qquad
 \begin{array}{ccc}
 A \times \{\bullet\} & \xrightarrow{\rho_A} & A \\
 f \times 1 \downarrow & & \downarrow f \\
 A' \times \{\bullet\} & \xrightarrow{\rho_{A'}} & A'
 \end{array}$$