

$$\begin{array}{ccccccc}
A_2 & \xlongequal{\quad} & A_2 & & & & \\
\downarrow e_2 & & \downarrow m_2 & & & & \\
A_1 \oplus A_2 & \xrightarrow{\quad (s, m_2) \quad} & M & \xrightarrow{\quad y_1 \lambda_1 \quad} & C & \xrightarrow{\quad \kappa \quad} & \\
\downarrow p_1 & & \downarrow \lambda_1 & & \parallel & & \\
A_1 & \xrightarrow{\quad x_1 \quad} & B_1 & \xrightarrow{\quad y_1 \quad} & C & \xrightarrow{\quad \delta_1 \quad} & \\
\downarrow 0 & & \downarrow \eta & & & &
\end{array}$$