

$$\begin{array}{ccccc}
A_1 & \xrightarrow{e_1} & A_1 \oplus A_2 & \xrightarrow{p_2} & A_2 \\
\parallel & & \downarrow m & & \downarrow x_2 \\
A_1 & \xrightarrow{m_1} & M & \xrightarrow{\lambda_2} & B_2 \\
& & \downarrow k & & \downarrow y_2 \\
& & C & \xlongequal{\quad} & C
\end{array}$$

$$\begin{array}{ccccc}
A_2 & \xlongequal{\quad} & A_2 & & \\
e_2 \downarrow & & m_2 \downarrow & & \\
A_1 \oplus A_2 & \xrightarrow{m} & M & \xrightarrow{k} & C \\
p_1 \downarrow & & \lambda_1 \downarrow & & \parallel \\
A_1 & \xrightarrow{x_1} & B_1 & \xrightarrow{y_1} & C
\end{array}$$