

$$\begin{array}{ccc}
 A \amalg A & \xrightarrow{(f,g)} & B \\
 \downarrow \scriptstyle \begin{pmatrix} 1 \\ 1 \end{pmatrix} & \searrow \scriptstyle (\partial_0, \partial_1) & \uparrow \scriptstyle h \\
 A & \xleftrightarrow{\sigma} & A'
 \end{array}$$