

$$\begin{array}{rcccl}
\kappa & : & A & \dashrightarrow & N \dashrightarrow \bullet \\
& & \downarrow f & & \downarrow & \parallel \\
\eta & : & B & \xrightarrow{s} & M \xrightarrow{r} \bullet \\
& & \downarrow g & & \downarrow q \\
& & C & \xlongequal{\quad} & C
\end{array}$$