$$
\begin{array}{ccccc}
\kappa & : & A \dashrightarrow N \dashrightarrow \bullet \\
& & f\big\downarrow \qquad \big\downarrow \qquad \big\| \\
\eta & : & B \xrightarrow{\ s\ } M \xrightarrow{\ r\ } \bullet \\
& & g\big\downarrow \qquad q\big\downarrow \\
& & C =\!\!= C
\end{array}
$$