

$$\begin{array}{ccccccc}
X & \xrightarrow{f} & Y & \xrightarrow{\begin{pmatrix} 0 \\ 1 \end{pmatrix}} & \mathrm{Cone}(f) & \xrightarrow{(1 \ 0)} & \Sigma X \\
\alpha \downarrow & \boxed{K} & \downarrow \beta & \circlearrowleft & \downarrow \gamma & \circlearrowleft & \downarrow \Sigma \alpha \\
M & \xrightarrow{u} & N & \xrightarrow{\begin{pmatrix} 0 \\ 1 \end{pmatrix}} & \mathrm{Cone}(u) & \xrightarrow{(1 \ 0)} & \Sigma M
\end{array}$$