

c1

c2

c3

c4

c5

$$\begin{array}{ccccccc}
 X & \xrightarrow{f} & Y & \xrightarrow{\begin{pmatrix} 0 \\ 1 \end{pmatrix}} & \text{Cone}(f) & \xrightarrow{\begin{pmatrix} 0 \\ 1 \end{pmatrix}} & \text{Cone}\begin{pmatrix} 0 \\ 1 \end{pmatrix} & \xrightarrow{\begin{pmatrix} 0 \\ 1 \end{pmatrix}} & \text{Cone}\begin{pmatrix} 0 \\ 1 \end{pmatrix} & & \text{r1} \\
 & & \parallel & & \parallel & & \begin{pmatrix} -\Sigma f \\ 1 \\ 0 \end{pmatrix} \uparrow & & \uparrow \begin{pmatrix} -\begin{pmatrix} 0 \\ 1 \end{pmatrix} \\ 1 \\ 0 \end{pmatrix} & & \\
 & & Y & \xrightarrow{\begin{pmatrix} 0 \\ 1 \end{pmatrix}} & \text{Cone}(f) & \longrightarrow & \Sigma X & \xrightarrow{-\Sigma f} & \Sigma Y & & \text{r2}
 \end{array}$$