

$$\begin{array}{ccccccc}
\vdots & & \vdots & & \vdots & & \vdots \\
\uparrow & & \uparrow & & \uparrow & & \uparrow \\
(X, I^2) & \dashrightarrow & (P^{-1}, I^2) & \longrightarrow & (P^{-1}, I^2) & \longrightarrow & (P^{-2}, I^2) \longrightarrow \dots \\
\uparrow & & \uparrow & & \uparrow & & \uparrow \\
(X, I^1) & \dashrightarrow & (P^{-1}, I^1) & \longrightarrow & (P^{-1}, I^1) & \longrightarrow & (P^{-2}, I^1) \longrightarrow \dots \\
\uparrow & & \uparrow & & \uparrow & & \uparrow \\
(X, I^0) & \dashrightarrow & (P^{-1}, I^0) & \longrightarrow & (P^{-1}, I^0) & \longrightarrow & (P^{-2}, I^0) \longrightarrow \dots \\
\uparrow & & \uparrow & & \uparrow & & \uparrow \\
(X, Y) & \cdots \rightarrow & (P^0, Y) & \longrightarrow & (P^{-1}, Y) & \longrightarrow & (P^{-2}, Y) \longrightarrow \dots
\end{array}$$