

$$\begin{array}{ccccccc}
\dots & \longrightarrow & \pi_{n+1}(X, A, x_0) & \xrightarrow{\partial} & \pi_n(A, x_0) & \xrightarrow{j_*} & \pi_n(X, x_0) \longrightarrow \pi_n(X, A, x_0) \longrightarrow \dots \\
& & \uparrow \scriptstyle \wr \parallel & & \uparrow \scriptstyle \wr \parallel & \scriptstyle g_{j_*} & \uparrow \parallel \\
\dots & \longrightarrow & \pi_n(P(X, A, x_0), c_{x_0}) & \longrightarrow & \pi_n(E_j, c_{x_0}) & \xrightarrow{p_{j_*}} & \pi_n(X, x_0) \xrightarrow{\partial} \pi_{n-1}(P(X, A, x_0), c_{x_0}) \xrightarrow{i_*} \dots
\end{array}$$