

$$\begin{array}{ccccccc}
\dots & \longrightarrow & H^{p-1}(U) \oplus H^{p-1}(V) & \xrightarrow{g} & H^{p-1}(U \cap V) & \xrightarrow{\delta} & H^p(\mathcal{M}) \xrightarrow{f} H^p(U) \oplus H^p(V) \longrightarrow \dots \\
& & \downarrow n_{p-1} \cdot (\Phi_U, \Phi_V) & & \downarrow n_{p-1} \cdot (\Phi_{U \cap V}) & & \downarrow n_p \cdot \Phi_{\mathcal{M}} \\
\dots & \longrightarrow & H_c^{n-(p-1)}(U)^* \oplus H_c^{n-(p-1)}(V)^* & \xrightarrow{j^*} & H_c^{n-(p-1)}(U \cap V)^* & \xrightarrow{\delta_c^*} & H_c^{n-p}(\mathcal{M})^* \xrightarrow{i^*} H_c^{n-p}(U)^* \oplus H_c^{n-p}(V)^* \longrightarrow \dots
\end{array}$$