

$$0 \longrightarrow \Omega^\bullet(M) \xrightarrow{r} \prod_{\alpha \in \mathcal{I}} \Omega^\bullet(U_\alpha) \xrightarrow{\delta} \prod_{\alpha_0 < \alpha_1} \Omega^\bullet(U_{\alpha_0 \alpha_1}) \xrightarrow{\delta} \prod_{\alpha_0 < \alpha_1 < \alpha_2} \Omega^\bullet(U_{\alpha_0 \alpha_1 \alpha_2}) \xrightarrow{\delta} \dots$$