$$
\begin{array}{ccccccccc}
 & & \vdots & & \vdots & & \vdots & & \\
 & & \uparrow & & \uparrow & & \uparrow & & \\
0 \longrightarrow & \Omega^2(M) & \xrightarrow{r} & \displaystyle\prod_\alpha \Omega^2(U_\alpha) & \longrightarrow & \displaystyle\prod_{\alpha_0<\alpha_1} \Omega^2(U_{\alpha_0\alpha_1}) & \longrightarrow & \displaystyle\prod_{\alpha_0<\alpha_1<\alpha_2} \Omega^2(U_{\alpha_0\alpha_1\alpha_2}) & \longrightarrow \cdots \\
 & & & \uparrow & & \uparrow & & \uparrow & \\
0 \longrightarrow & \Omega^1(M) & \xrightarrow{r} & \displaystyle\prod_\alpha \Omega^1(U_\alpha) & \longrightarrow & \displaystyle\prod_{\alpha_0<\alpha_1} \Omega^1(U_{\alpha_0\alpha_1}) & \longrightarrow & \displaystyle\prod_{\alpha_0<\alpha_1<\alpha_2} \Omega^1(U_{\alpha_0\alpha_1\alpha_2}) & \longrightarrow \cdots \\
 & & & \uparrow & & \uparrow & & \uparrow & \\
0 \longrightarrow & \Omega^0(M) & \xrightarrow{r} & \displaystyle\prod_\alpha \Omega^0(U_\alpha) & \xrightarrow{\delta} & \displaystyle\prod_{\alpha_0<\alpha_1} \Omega^0(U_{\alpha_0\alpha_1}) & \longrightarrow & \displaystyle\prod_{\alpha_0<\alpha_1<\alpha_2} \Omega^0(U_{\alpha_0\alpha_1\alpha_2}) & \longrightarrow \cdots \\
 & & & i\uparrow & & i\uparrow & & i\uparrow & \\
 & & & C^0(\mathfrak{U}, \mathbb{R}) & \xrightarrow{\delta} & C^1(\mathfrak{U}, \mathbb{R}) & \xrightarrow{\delta} & C^2(\mathfrak{U}, \mathbb{R}) & \longrightarrow \cdots \\
 & & & \uparrow & & \uparrow & & \uparrow & \\
 & & & 0 & & 0 & & 0 &
\end{array}
$$