

$$\begin{array}{ccccccc}
& \dots & & \dots & & \dots & \dots \\
& \uparrow & & \uparrow & & \uparrow & \uparrow \\
\Omega^2(U) \oplus \Omega^2(V) & \xrightarrow{\delta} & \Omega^2(U \cap V) & \longrightarrow & 0 & \longrightarrow & 0 \longrightarrow \dots \\
& \uparrow d & & \uparrow d & & \uparrow & \uparrow \\
\Omega^1(U) \oplus \Omega^1(V) & \xrightarrow{\delta} & \Omega^1(U \cap V) & \longrightarrow & 0 & \longrightarrow & 0 \longrightarrow \dots \\
& \uparrow d & & \uparrow d & & \uparrow & \uparrow \\
\Omega^0(U) \oplus \Omega^0(V) & \xrightarrow{\delta} & \Omega^0(U \cap V) & \longrightarrow & 0 & \longrightarrow & 0 \longrightarrow \dots
\end{array}$$