

$$0 \longleftarrow \Omega_c^\bullet(M) \xleftarrow{(\alpha, \beta) \mapsto \alpha + \beta} \Omega_c^\bullet(U) \oplus \Omega_c^\bullet(V) \xleftarrow{\alpha \mapsto (\alpha, -\alpha)} \Omega_c(U \cap V) \longleftarrow 0$$