

$$0 \longrightarrow H^{q-1}(F, (A')^H) \xrightarrow{\text{inf}} H^{q-1}(G, A') \xrightarrow{\text{res}} H^{q-1}(H, A')$$

$$\sim \downarrow$$

$$\sim \downarrow$$

$$\sim \downarrow$$

$$0 \longrightarrow H^q(F, A^H) \xrightarrow{\text{inf}} H^q(G, A) \xrightarrow{\text{res}} H^q(H, A)$$