

$$\bigoplus_{p=0}^n (H^p(U \cap V) \otimes H^{n-p}(N)) \xrightarrow{d^*} \bigoplus_{p=0}^n H^{p+1}(U \cup V) \otimes H^{n-p}(N)$$

$$\begin{array}{ccc} \psi \downarrow & & \downarrow \psi \\ H^n((U \cap V) \times N) & \xrightarrow{d^*} & H^n((U \cup V) \times N) \end{array}$$