$$\cdots \longrightarrow C_{i,1} \xrightarrow{\partial_{i,1}} C_{i+1,1} \longrightarrow \cdots$$

$$\cdots \longrightarrow C_{i,0} \xrightarrow{\partial_{i,0}} C_{i+1,0} \longrightarrow \cdots$$

$$\cdots \longrightarrow C_{i,-1} \xrightarrow{\partial_{i,-1}} C_{i+1,-1} \longrightarrow \cdots$$