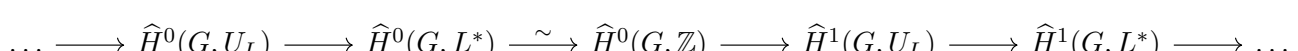
$\ldots \longrightarrow \widehat{H}^0(G, U_L) \longrightarrow \widehat{H}^0(G, L^*) \xrightarrow{\sim} \widehat{H}^0(G, \mathbb{Z}) \longrightarrow \widehat{H}^1(G, U_L) \longrightarrow \widehat{H}^1(G, L^*) \longrightarrow \ldots$
0
$\mathbb{Z}/n\mathbb{Z}$
0
0