$$\mathbb{Z} \stackrel{f_0}{\longleftarrow} \mathbb{Z}/p\mathbb{Z} \stackrel{f_1}{\longleftarrow} \mathbb{Z}/p^2\mathbb{Z} \stackrel{f_2}{\longleftarrow} \mathbb{Z}/p^3\mathbb{Z} \stackrel{f_3}{\longleftarrow} \cdots$$