

$$\begin{array}{ccc}
 \mathbb{Z} & \xrightarrow{\quad} & \langle 1 \rangle = \mathbb{Z}/8\mathbb{Z} \\
 | & & | \\
 2\mathbb{Z} & \xrightarrow{\quad} & \langle 2 \rangle \\
 | & & | \\
 4\mathbb{Z} & \xrightarrow{\quad} & \langle 4 \rangle \\
 | & & | \\
 8\mathbb{Z} & \xrightarrow{\quad} & \langle 8 \rangle = \{e\}
 \end{array}$$