

$$\begin{array}{ccc}
 \mathbb{Z} = \langle 1 \rangle & \longrightarrow & \langle \bar{1} \rangle = \mathbb{Z}/8\mathbb{Z} \\
 | & & | \\
 2\mathbb{Z} = \langle 2 \rangle & \longrightarrow & \langle \bar{2} \rangle = \{\bar{\mathbf{0}}, \bar{2}, \bar{4}, \bar{4}\} \\
 | & & | \\
 4\mathbb{Z} = \langle 4 \rangle & \longrightarrow & \langle \bar{4} \rangle = \{\bar{\mathbf{0}}, \bar{4}\} \\
 | & & | \\
 8\mathbb{Z} = \langle 8 \rangle & \longrightarrow & \langle \bar{8} \rangle = \{\bar{\mathbf{0}}\}
 \end{array}$$