$$\begin{split} \mathbb{Z} &= \left< 1 \right> \longrightarrow \left< \overline{1} \right> = \mathbb{Z}/8\mathbb{Z} \\ & \mid \qquad \qquad \mid \\ 2\mathbb{Z} &= \left< 2 \right> \longrightarrow \left< \overline{2} \right> = \left\{ \overline{\mathbf{0}}, \overline{2}, \overline{4}, \overline{4} \right\} \\ & \mid \qquad \qquad \mid \\ 4\mathbb{Z} &= \left< 4 \right> \longrightarrow \left< \overline{4} \right> = \left\{ \overline{\mathbf{0}}, \overline{4} \right\} \\ & \mid \qquad \qquad \mid \\ 8\mathbb{Z} &= \left< 8 \right> \longrightarrow \left< \overline{8} \right> = \left\{ \overline{\mathbf{0}} \right\} \end{split}$$