$$0 \longrightarrow \mathbb{Z} \xrightarrow{\cdot 2} \mathbb{Z} \longrightarrow \mathbb{Z}/(2) \longrightarrow 0$$

$$\downarrow^{\mathbb{Z}/(2)\otimes_{\mathbb{Z}}} \cdot$$

$$?? \longrightarrow \mathbb{Z}/(2) \xrightarrow{\cdot 2^*} \mathbb{Z}/(2) \longrightarrow \mathbb{Z}/(2) \otimes_{\mathbb{Z}} \mathbb{Z}/(2) \longrightarrow 0$$

 $\mathbb{Z}/(2)\otimes_{\mathbb{Z}}$.