

$$\begin{array}{ccc}
 j\mathbb{H} & \xrightarrow{\quad} & \mathbb{C} \\
 & \searrow \text{dashed} & \uparrow \mathbb{R} \\
 & & \mathfrak{sl}(2, \mathbb{Z}) \cong \mathbb{H}
 \end{array}$$