

$$\begin{array}{ccc}
\mathbb{T} \begin{array}{|} \mathbb{R} \times \mathbb{T} \\ \hline \mathbb{0} \end{array} & \xrightarrow{\cong} & \mathbb{Z} \times i\mathbb{R} \begin{array}{|} \mathbb{Z} \\ \hline \mathbb{Z} \end{array} \\
\downarrow M \times C & & \downarrow \hat{M} \times \hat{C} \\
\mathcal{U} \begin{array}{|} \mathbb{T}^2 \\ \hline \mathbb{C} \\ \hline \mathbb{m} \end{array} & \xrightarrow{\cong} & \mathcal{U} \begin{array}{|} \mathbb{Z}^2 \\ \hline \mathbb{C} \\ \hline \mathbb{m} \end{array}
\end{array}$$

$$\begin{array}{ccc}
\mathbb{T}^2 \begin{array}{|} \mathbb{C} \\ \hline \mathbb{m} \end{array} & \xleftarrow[\alpha_{\delta}^{\infty}]{\ell_{\zeta}} & \mathbb{T}^2 \begin{array}{|} \mathbb{C} \\ \hline \mathbb{m} \end{array} \\
\downarrow \cong & & \downarrow \cong \\
\mathbb{Z}^2 \begin{array}{|} \mathbb{C} \\ \hline \mathbb{m} \end{array} & \xleftarrow[\alpha_{\delta}^1]{M_{\bar{\zeta}}} & \mathbb{Z}^2 \begin{array}{|} \mathbb{C} \\ \hline \mathbb{m} \end{array}
\end{array}$$

$$\text{multiplicatrix } {}^n \mathbb{Z} \xrightarrow[\text{hom}]{M} \mathcal{U} \begin{array}{|} \mathbb{T}^2 \\ \hline \mathbb{C} \\ \hline \mathbb{m} \end{array}$$

$$\zeta \overline{{}^n \times \eta} = \zeta_n \zeta \eta$$

$$\ell_{s^t} \eta = \bar{s}^t \eta \text{ convolutrix}$$