

$$\begin{aligned}
& \int_{dx}^{\mathbb{R}^Z} x \Delta_x^{-p} \overline{x \gamma / I} x \#J = \int_{dx}^{\mathbb{R}^Z} x \Delta_x^{-p} \overline{\mathcal{A}^{*\mathbb{R}*} \mathcal{A}^{-1\mathbb{R}} \varrho \gamma / I} x \#J \\
& = \underbrace{\mathcal{A}^{*\mathbb{R}*} \mathcal{A}^{-1\mathbb{R}} \varrho \gamma / I}_{\mathbb{R}} \#J = \underbrace{\mathcal{A}^{-1\mathbb{R}} \varrho \gamma / I}_{\mathbb{R}} \#J_{\mathbb{R}} = \underbrace{\mathcal{A}^{-1\mathbb{R}} \varrho \gamma / I}_{\mathbb{R}} \#J_{\mathbb{R}}^{\mathbb{C}} \\
& = \underbrace{\mathcal{A}^{-1\mathbb{R}*} T^{\mathbb{R}} \gamma}_{\mathbb{R}} \#J_{\mathbb{R}}^{\mathbb{C}} = \overbrace{T^{\mathbb{R}} \mathcal{A}^{-1\mathbb{R}} \gamma}^* \#J_{\mathbb{R}}^{\mathbb{C}} = \gamma \#J_{\mathbb{R}}^{\mathbb{C}} T^{\mathbb{R}} \mathcal{A}^{-1\mathbb{R}} \\
& = \underbrace{\gamma / I}_{\mathbb{R}} \#J_{\mathbb{R}}^{\mathbb{C}} \overline{I T^{\mathbb{R}} \mathcal{A}^{-1\mathbb{R}}} \#J_{\mathbb{R}}^{\mathbb{C}} = \int_{dz}^{\mathbb{C}^Z} z \Delta_z^{\nu-p} \overline{z \Delta_z^{-\nu}} z \overline{\gamma / I} \overbrace{I^{-1} T^{\mathbb{R}} \mathcal{A}^{-1\mathbb{R}} \#J_{\mathbb{R}}^{\mathbb{C}}}^*
\end{aligned}$$

$$T_{\#H}^{\mathbb{R}} = T_H^{\mathbb{C}} I = H I = \overline{T}^{*\mathbb{R}} \varrho H \Rightarrow \#H = \overline{T}^{-1\mathbb{R}} \overline{T}^{*\mathbb{R}} \varrho H = \overbrace{\overline{T}^{*\mathbb{R}} T^{\mathbb{R}}}^{-1} \varrho H = \overline{\mathcal{B}}^{-1\mathbb{R}} \varrho H$$

$$\overline{\mathcal{B}}^{-1\mathbb{R}} \varrho H = {}^0(\#H) = \int_{dz}^D z \Delta_z^{\nu-p} H(-w:z^w)$$

$$\overline{\mathcal{B}}_{\nu\mathbb{C}}^{\mathbb{R}} E^{\mu} = \int_{\mathbb{R}}^{\mathbb{C}^Z} \zeta \Delta_{\zeta}^{\nu-p} \zeta E^{\mu} = e^{-x} \Delta^{\nu-p} x^{1/2} E^{\mu}$$