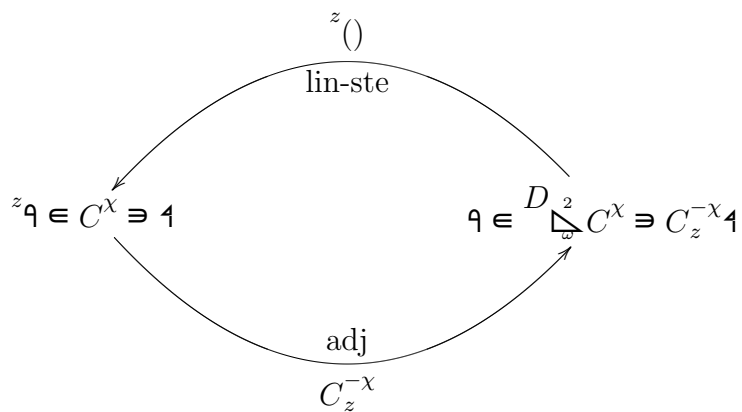


$$\begin{aligned}
 & D \triangle_{\omega}^2 C^X \ni \mathfrak{q} \\
 \mathfrak{q} \star \mathfrak{q} &= \int_{dz}^D z \mathfrak{q} \star_z z \mathfrak{q} = \int_{dz}^D z \mathfrak{q} \star_z z C_z^X z \mathfrak{q} = \int_{dz}^D z \mathfrak{q} \star_z \overset{\circ}{C}_z^* \overset{\circ}{C}_o \overset{\circ}{C}_z z \mathfrak{q} = \int_{dz}^D \underbrace{\overset{\circ}{C}_z z \mathfrak{q}} \star \underbrace{\overset{\circ}{C}_o \overset{\circ}{C}_z z \mathfrak{q}}
 \end{aligned}$$

$$\text{GCD } D \triangle_{\omega}^2 C^X \ni D^{\nu}$$

$$\begin{aligned}
 \mathfrak{q} \star_{\nu} \mathfrak{q} &= \int_{dz}^D z \Delta_z^{\nu} z \mathfrak{q} \star_z z \mathfrak{q} = \int_{dz}^D z \Delta_z^{\nu} z \mathfrak{q} \star_z z C_z^X z \mathfrak{q} \\
 &= \int_{dz}^D z \Delta_z^{\nu} z \mathfrak{q} \star_z \overset{\circ}{C}_z^* \overset{\circ}{C}_o \overset{\circ}{C}_z z \mathfrak{q} = \int_{dz}^D z \Delta_z^{\nu} \underbrace{\overset{\circ}{C}_z^* z \mathfrak{q}} \star \underbrace{\overset{\circ}{C}_o \overset{\circ}{C}_z z \mathfrak{q}}
 \end{aligned}$$



$$1 \times^z \mathfrak{A} = \underbrace{C_z^{-\chi}}_1 1 \times^z \mathfrak{A}$$

$${}^z \mathfrak{A} = \int_{dw}^D {}^z C_w^{-\chi} {}^w C_w^{\chi} {}^w \mathfrak{A} \text{ repr kernel}$$

$$\mathfrak{A} = C_w^{-\chi} \mathfrak{A}$$

$$\begin{aligned} \underbrace{C_z^{-\chi}}_1 1 \times^z \mathfrak{A} &= \underbrace{C_z^{-\chi}}_1 1 \times^z \underbrace{C_w^{-\chi}}_1 \mathfrak{A} = \int_{dx}^D \underbrace{{}^x C_z^{-\chi}}_1 1 \times^x \underbrace{{}^x C_x^{\chi} C_w^{-\chi}}_1 \mathfrak{A} = \int_{dx}^D \underbrace{{}^x C_z^{-\chi}}_1 1 \times^x \underbrace{{}^x C_x^{\chi} C_w^{-\chi}}_1 \mathfrak{A} \\ &= \int_{dx}^D 1 \times^z \underbrace{{}^z C_x^{-\chi} C_x^{\chi} C_w^{-\chi}}_1 \mathfrak{A} = 1 \times^z \underbrace{\int_{dx}^D {}^z C_x^{-\chi} C_x^{\chi} C_w^{-\chi}}_1 \mathfrak{A} = 1 \times^z C_w^{-\chi} \mathfrak{A} = 1 \times^z \mathfrak{A} \end{aligned}$$