

$$\int_{\partial_\ell \Omega} x \mathbf{e}_y^{-1} d\mu_\ell(x) = y \Delta^{-\ell a/2}$$

$$\bigwedge_z^{z|\leq \ell} \bigwedge_{\varkappa}^{\varkappa|\leq \ell} \int_{\partial_\ell \Omega} x \mathbf{e}_y^{-1} {}^x E_z^\varkappa d\mu_\ell(x) = (\ell a/2) {}_y \Delta^{-\ell a/2} {}^{y^{-1}} E_z^\varkappa$$

$$\sum_{\varkappa}^{\varkappa|\leq \ell} \int_{\partial_\ell \Omega} x \mathbf{e}_y^{-1} {}^x E_z^\varkappa d\mu_\ell(x) = \int_{\partial_\ell \Omega} x \mathbf{e}_y^{-1} \sum_{\varkappa}^{\varkappa|\leq \ell} {}^x E_z^\varkappa d\mu_\ell(x) \stackrel{z|\leq \ell}{=} \int_{\partial_\ell \Omega} x \mathbf{e}_y^{-1} \sum_{\varkappa} {}^x E_z^\varkappa d\mu_\ell(x) = \int_{\partial_\ell \Omega} x \mathbf{e}_y^{-1} x \mathbf{e}_z d\mu_\ell(x) = \int_{\partial_\ell \Omega} x \mathbf{e}_{y-z}^{-1} d\mu_\ell(x)$$

$$\stackrel{\text{LAS}}{=} {}^{y-z} \Delta^{-\ell a/2} = y^{1/2} (1 - y^{-1/2} z y^{-1/2}) y^{1/2} \Delta^{-\ell a/2} = y \Delta^{-\ell a/2} (1 - y^{-1/2} z y^{-1/2}) \Delta^{-\ell a/2} = y \Delta^{-\ell a/2} \sum_{\varkappa}^{\varkappa|\leq \ell} (\ell a/2) {}_y \Delta^{-\ell a/2} {}^{y^{-1}} E_z^\varkappa \stackrel{\text{hom}}{\implies}$$