$$\overline{{}^{xg-yg}\Delta} = {}^{\overline{e^x \underline{g}}^{1/2}}\Delta \; \overline{{}^{x-y}\Delta} \; {}^{\overline{e^y \underline{g}}^{1/2}}\Delta$$

$$x\,\mathfrak{t}_a = x + a \Longrightarrow x\,\mathfrak{t}_a - y\,\mathfrak{t}_a = \underbrace{x+a} - \underbrace{y+a} = x - y$$

$${}^{z}\underline{\mathfrak{t}}_a = \mathfrak{i} \Longrightarrow e^{z}\underline{\mathfrak{t}}_a = e\mathfrak{i} = e \Longrightarrow {}^{e^{z}\underline{\mathfrak{t}}_a}\Delta = {}^{e}\Delta = 1$$

$$g \in \mathsf{C} | X_{\Delta} \Longrightarrow xg - yg = \underbrace{x-y}g$$

$${}^{z}\underline{g} = g \Longrightarrow {}^{xg-yg}\Delta = {}^{\overbrace{x-y}g}\Delta = {}^{x-y}\Delta\;{}^{eg}\Delta \Longrightarrow {}^{xg-yg}\overline{\Delta} = {}^{x-y}\overline{\Delta}\;{}^{eg}\overline{\Delta} =$$

$$= {}^{eg}\overline{\Delta}^{1/2}\;{}^{x-y}\overline{\Delta}\;{}^{eg}\overline{\Delta}^{1/2} = {}^{e^x\underline{g}}\overline{\Delta}^{1/2}\;{}^{x-y}\overline{\Delta}\;{}^{e^y\underline{g}}\overline{\Delta}^{1/2}$$

$$x\mathfrak{j} = \overset{-1}{x} \Longrightarrow x\mathfrak{j} - y\mathfrak{j} = \overset{-1}{x} - \overset{-1}{y} = -\overset{-1}{x}\underbrace{x-y}\overset{-1}{y}$$

$${}^{z}\underline{\mathfrak{j}} = -\overset{-1}{P}_z$$

$$e^{z}\underline{\mathfrak{j}} = -e\overset{-1}{P}_z = -\overset{-2}{z} \Longrightarrow {}^{e^z\underline{\mathfrak{j}}}\overline{\Delta} = {}^{z}\overline{\Delta}^{-2} \Longrightarrow {}^{e^z\underline{\mathfrak{j}}}\overline{\Delta}^{1/2} = {}^{z}\overline{\Delta}^{-1}$$

$$\Longrightarrow {}^{x\mathfrak{j}-y\mathfrak{j}}\overline{\Delta} = {}^{x}\overline{\Delta}^{-1}\;{}^{x-y}\overline{\Delta}\;{}^{y}\overline{\Delta}^{-1} = {}^{e^x\underline{\mathfrak{j}}}\overline{\Delta}^{1/2}\;{}^{x-y}\overline{\Delta}\;{}^{e^y\underline{\mathfrak{j}}}\overline{\Delta}^{1/2}$$

$$X_{\underset{\infty}{\triangle}}\mathbb{C} \ni \daleth$$

$$\daleth \underset{X}{\overset{t}{\bowtie}} \daleth = \int_{dx}^{X} {}^{x}\bar{\daleth} \int_{dy}^{X} {}^{y}\daleth^{\,x-y}\overline{\Delta}^{-t}$$

$$\overbrace{{}^{x}g \underset{X}{\overset{t}{\rtimes}} \daleth} = {}^{xg}\daleth\;{}^{e^x\underline{g}^{d/r}}\overline{\Delta}^{-t/2}$$

$$\overbrace{g \underset{X}{\overset{t}{\bowtie}} \urcorner}\ \underset{X}{\overset{t}{\bigstar}}\ \overbrace{g \underset{X}{\overset{t}{\bowtie}} \daleth} = \urcorner \underset{X}{\overset{t}{\bigstar}} \daleth$$

$$\det {}^{z}\underline{g} = {}^{e^{z}\underline{g}}\Delta^{d/r}$$

$$w = zg \Longrightarrow dw = dz \overline{\det {}^{z}\underline{g}} = dz\ {}^{e^{z}\underline{g}}\overline{\Delta}^{d/r}$$

$$\text{LHS} = \int_{dx}^{X} {}^{x}\overline{g \underset{X}{\overset{t}{\bowtie}} \urcorner}^{-} \int_{dy}^{X} {}^{y}\overline{g \underset{X}{\overset{t}{\bowtie}} \daleth}\ {}^{x-y}\overline{\Delta}^{-t} = \int_{dx}^{X} {}^{xg^{-}}\urcorner\ {}^{e^{x}\underline{g}}\overline{\Delta}^{d/r-t/2} \int_{dy}^{X} {}^{yg}\daleth\ {}^{e^{y}\underline{g}}\overline{\Delta}^{d/r-t/2}\ {}^{x-y}\overline{\Delta}^{-t}$$

$$= \int_{dx}^{X} {}^{xg^{-}}\urcorner\ {}^{e^{x}\underline{g}}\overline{\Delta}^{d/r} \int_{dy}^{X} {}^{yg}\daleth\ {}^{e^{y}\underline{g}}\overline{\Delta}^{d/r}\ {}^{e^{y}\underline{g}}\overline{\Delta}^{-t/2}\ {}^{x-y}\overline{\Delta}^{-t}\ {}^{e^{x}\underline{g}}\overline{\Delta}^{-t/2} = \int_{dx}^{X} {}^{xg^{-}}\urcorner\ {}^{e^{x}\underline{g}}\overline{\Delta}^{d/r} \int_{dy}^{X} {}^{yg}\daleth\ {}^{e^{y}\underline{g}}\overline{\Delta}^{d/r}\ \underbrace{{}^{e^{x}\underline{g}}\overline{\Delta}^{1/2}\ {}^{x-y}\overline{\Delta}\ {}^{e^{y}\underline{g}}\overline{\Delta}^{1/2}}_{-t}$$

$$= \int_{dx}^{X} {}^{xg^{-}}\urcorner\ {}^{e^{x}\underline{g}}\overline{\Delta}^{d/r} \int_{dy}^{X} {}^{yg}\daleth\ {}^{e^{y}\underline{g}}\overline{\Delta}^{d/r}\ {}^{xg-yg}\overline{\Delta}^{-t} \underset{v\,\equiv\,yg}{\overset{u\,\equiv\,xg}{=}} \int_{du}^{X} {}^{u^{-}}\urcorner \int_{dv}^{X} {}^{v}\daleth\ {}^{u-v}\overline{\Delta}^{-t} = \text{RHS}$$