$$z \bowtie g = za + b$$

$$\overset{z}{\sim} g = {}^{za}\mathcal{E}_{b}^{\nu\ b}\mathcal{E}_{b}^{\nu/2} = {}^{zg}\mathcal{E}_{0\cdot g}^{\nu\quad 0\cdot g}\mathcal{E}_{0\cdot g}^{-\nu/2}$$

$$\overset{z}{{}_0}K_g = {}^{z}\mathfrak{e}_{0\cdot g}{}^{0\cdot g}\mathfrak{e}_{0\cdot g}^{1/2}$$

$$\overset{z}{{}_0}K_g^{\nu} = {}^{z}\mathfrak{e}_{0\cdot g}^{\nu}{}^{0\cdot g}\mathfrak{e}_{0\cdot g}^{\nu/2}$$

$$\overset{z}{{}_0}K_w = \mathfrak{e}^{z \bowtie w}$$

$$\overset{z}{{}_0}K_w^{1/\hbar} = \mathfrak{e}^{z \bowtie w/\hbar}$$