

Our Algebras. Let $sl_{2+}^\epsilon := L\langle y, b, a, x \rangle$ subject to $[a, x] = x$, $-y$, $[b, x] = \epsilon x$, and $xy - qyx = (1 - AB)/\hbar$, where $q = e^{\hbar\epsilon}$, $[b, y] = -\epsilon y$, $[a, b] = 0$, $[a, y] = -y$, $[b, x] = \epsilon x$, and $[x, y] = \epsilon a + b$. So $t := \epsilon a - b$ is central and if $\exists \epsilon^{-1}$, $sl_{2+}^\epsilon / \langle t \rangle \cong sl_2$.
The Quantum Leap. Also decree that in QU ,

Indeed if ϵ is invertible, the map $\phi_\epsilon: sl_{2+}^\epsilon \rightarrow sl_{2+}^1$, defined by

$$\phi_\epsilon(y, b, a, x) = (\epsilon y, \epsilon b, a, x),$$

$$\Delta(y, b, a, x) = (y_1 + B_1 y_2, b_1 + b_2, a_1 + a_2, x_1 + A_1 x_2),$$

is an isomorphism of Lie algebras, and $sl_{2+}^1 / \langle t \rangle \cong sl_{2+}^1 / (a = b) \cong L\langle y, a, x \rangle / ([a, x] = x, [a, y] = -y, [x, y] = 2a) \cong sl_2$.

$$S(y, b, a, x) = (-B^{-1}y, -b, -a, -A^{-1}x),$$

U is either $CU = \mathcal{U}(sl_{2+}^\epsilon)[[\hbar]]$ or $QU = \mathcal{U}_\hbar(sl_{2+}^\epsilon) =$ and $R = \sum \hbar^{j+k} y^k b^j \otimes a^j x^k / j! [k]_q! = 1 + \hbar r + O(\hbar^2)$, where $r = y \otimes x + b \otimes a$ satisfies CYBE, $[r_{12}, r_{13}] + [r_{12}, r_{23}] + [r_{13}, r_{23}] = 0$.