

$R[QU, kk_] :=$

$$R[QU, kk] = \mathbb{E} \left[-\frac{\hbar a_2 t_1}{\gamma}, \hbar x_2 y_1, \right.$$

$$\text{Series} \left[e^{\hbar \gamma^{-1} t_1 a_2 - \hbar y_1 x_2} \right.$$

$$\left(e^{\hbar b_1 a_2} e_{q\hbar, kk}[\hbar y_1 x_2] / \cdot b_1 \rightarrow \gamma^{-1} (\epsilon a_1 - t_1) \right),$$

$$\left. \left. \{\epsilon, \theta, kk\} \right] \right];$$

$tR_{i_, j_} :=$

$$R[\$U, \$k] / \cdot \{ (v : t | T | y | a | x)_1 \rightarrow v_i,$$

$$(v : t | T | y | a | x)_2 \rightarrow v_j \};$$

$$\overline{tR}_{i_, j_} := \overline{tR}_{i, j} = tR_{i, j} \sim B_j \sim tS_j;$$