

# R matrices as homomorphisms

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$V \xrightarrow{\rho} V$  multiplicative

$$R \in V \otimes V \quad R = R' \otimes R''$$

$$\rho(ab) = \rho(a)\rho(b)$$

$$\langle ab, R' \rangle_{R''} = \langle a, R'_1 \rangle \langle b, R'_2 \rangle_{R_1, R_2}$$

$$(0 \otimes 1) R = R^{13} R^{23}$$