



ASSO

$$d_4\Phi \cdot d_2\Phi \cdot d_0\Phi = d_1\Phi \cdot d_3\Phi$$

$$d_1 \exp\left(\pm \frac{1}{2}t^{12}\right) = \Phi \cdot \exp\left(\pm \frac{1}{2}t^{23}\right) \cdot (\Phi^{-1})^{132} \cdot \exp\left(\pm \frac{1}{2}t^{13}\right) \cdot \Phi^{312}$$

$$s_1\Phi = s_2\Phi = s_3\Phi = 1$$

$$\square\Phi = \Phi \otimes \Phi$$

