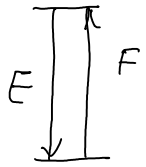
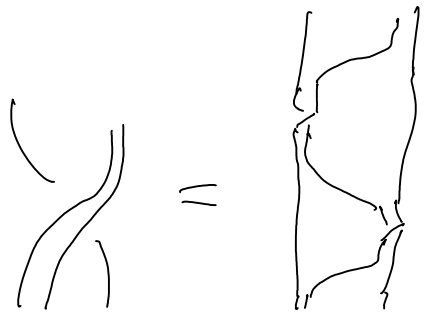
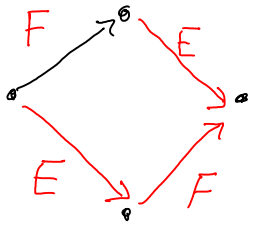
Rozansky Games

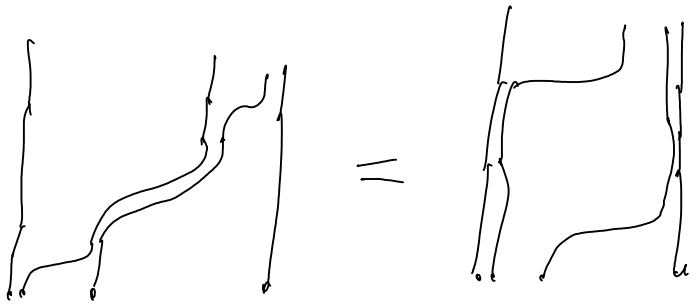
March-03-09
5:08 PM







$$(\Delta\otimes 1)R = \Phi\cdot R^{23}(\Phi^{-1})^{132}\cdot R\Phi$$



$\Phi \mapsto \Phi + \varphi$

$E \mapsto E + d\varphi$

$$\Phi^{123}\cdot(\Delta\otimes 1)\Phi\cdot\Phi^{234} = (\Delta\otimes 1)\Phi\cdot(1\otimes\Delta)(\Phi)$$

$$\longrightarrow \mathcal{A}(\uparrow_n) \longrightarrow \mathcal{A}(\uparrow_{n+1}) \longrightarrow \cdots$$

D

$$dD = 1\otimes D - (\Delta\otimes 1\otimes 1)D + (\Delta\otimes 1\otimes 1)D - \cdots$$
$$\pm(1\otimes 1\otimes\Delta)D \mp D\otimes 1$$