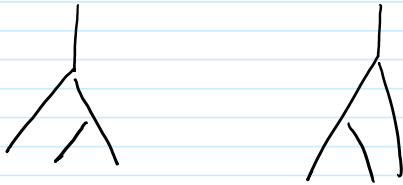


The bc twist

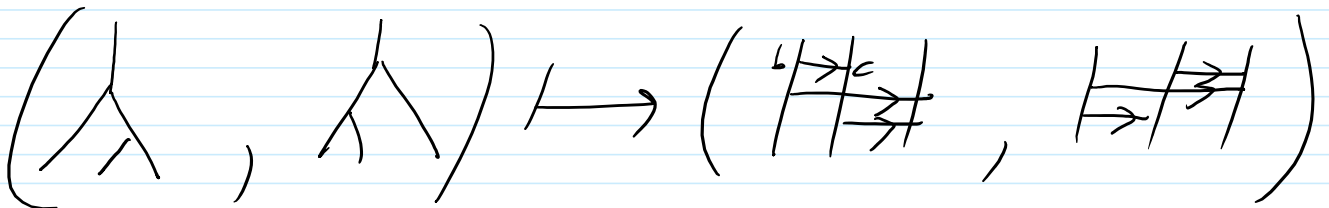
November 15, 2016 9:54 AM



$F_{12} = C_2$ does not preserve the trivial assoc.



Yet $F_{12} = b_1 c_2$ does preserve the trivial assoc:



$$e^{-b_1 c_2} u_1 e^{b_1 c_2} = u_1$$

$$e^{-b_1 c_2} u_2 e^{b_1 c_2} = e^{-\text{ad}(b_1 c_2)}(u_2) = e^{-b_1} u_2$$

$$w_1 \mapsto w_1$$

$$w_2 \mapsto e^{b_1} w_2$$