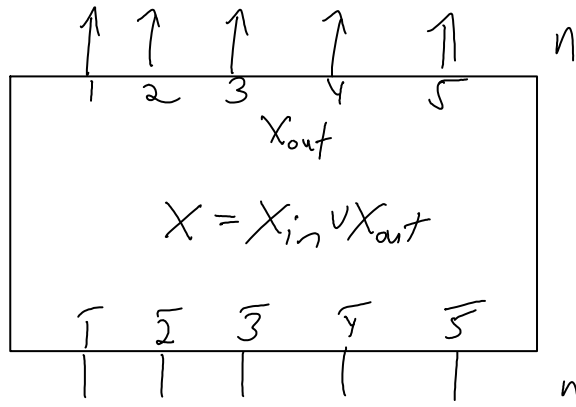


An Archibald-Bigelow Isomorphism

March-22-11
6:48 PM



Archibald

Bigelow

$$\Lambda^{\text{top}}(X_{\text{out}}) \otimes \Lambda^{\text{bot}}(X) \xrightleftharpoons[\alpha]{\beta} \langle \text{Circuit Diagram} \rangle / S$$

$$\beta \left(\begin{array}{c} \begin{array}{ccccc} \uparrow & \uparrow & \uparrow & \uparrow & \uparrow \\ 1 & 2 & 3 & 4 & 5 \end{array} \\ \begin{array}{c} \text{Circuit Diagram} \\ \begin{array}{ccccc} \downarrow & \downarrow & \downarrow & \downarrow & \downarrow \\ 1 & 2 & 3 & 4 & 5 \end{array} \end{array} \right) := (\overbrace{12345}^{\tau}) \otimes (\overline{14} \overline{23} \overline{5})$$

This must be a circuit algebra isomorphism.