

# Scratch

September-26-11  
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$$h^{-1}th \quad t^{-1}ht$$

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$$y^{\top} a_y \rightarrow b y^{\top} a_y$$

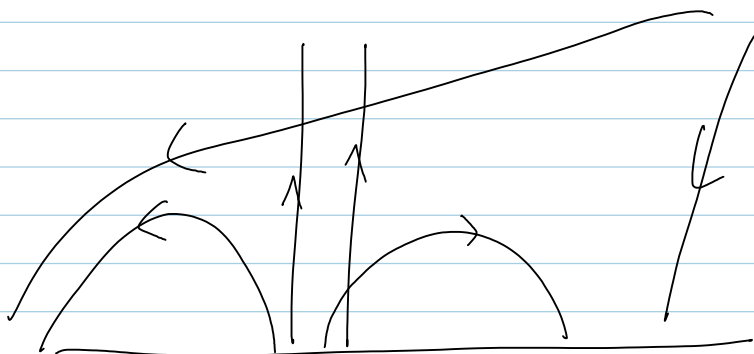
$$\mathbb{E}: f(y) a_y \mapsto \partial_y (y f(y)) a_y$$

$$y^{\top} a_w \rightarrow \delta y^{\top} a_w$$

$$\mathbb{E}: f(y) a_w \mapsto (y \partial_y f(y)) a_w$$

$$\mathbb{E}^{-1} g(y) a_w = \left( \int \frac{g}{y} \right) a_w$$

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$$t_x h_x t_y h_y = t_x h_x t_y h_x^{-1} h_x h_y = t_x t_y h_x^{-1} h_x h_y$$

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$$th \xrightarrow{-1} h^{-1}t^{-1} = h^{-1}t^{-1}hh^{-1} = (t^{-1})^h h^{-1}$$

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