

The T_EXPower bundle

`\stepwise` Example: An Aligned Equation

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$$\min \left(\max \left(\begin{matrix} \vdots \\ \vdots \end{matrix}, \begin{matrix} \vdots \\ \vdots \end{matrix} \right), \begin{matrix} \vdots \\ \vdots \end{matrix} \right) \quad (1)$$

$$\min \left(\max \left(\begin{array}{c} \min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right) \\ \vdots \end{array} \right), \right) \quad (1)$$

$$\min \left(\max \left(\begin{array}{c} \min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right), \\ \vdots \\ \min \left(F'(x), \min \left(F_n(x), G_n(y) \right) \right) \end{array} \right), \right) \quad (1)$$

$$\min \left(\max \left(\begin{array}{c} \min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right) , \\ \vdots \\ \min \left(F'(x), \min \left(F_n(x), G_n(y) \right) \right) \end{array} \right) , \min \left(G_i(y), H_i(z) \right) \right) \quad (1)$$

$$\min \left(\max \left(\begin{array}{c} \min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right) , \\ \vdots \\ \min \left(F'(x), \min \left(F_n(x), G_n(y) \right) \right) \end{array} \right) , \min \left(G_i(y), H_i(z) \right) \right) \quad (1)$$

$$= \max \left(\begin{array}{c} \min \left(\min \left(\quad , \min \left(\quad \right) \right) , \min \left(G_i(y), H_i(z) \right) \right) , \\ \vdots \\ \min \left(\min \left(\quad , \min \left(\quad \right) \right) , \min \left(G_i(y), H_i(z) \right) \right) \end{array} \right) \quad (2)$$

$$= \max \left(\begin{array}{c} \min \left(\min \left(\quad , \min \left(\quad , \min \left(\quad , G_i(y) \right) \right) \right) , H_i(z) \right) , \\ \vdots \\ \min \left(\min \left(\quad , \min \left(\quad , \min \left(\quad , G_i(y) \right) \right) \right) , H_i(z) \right) \end{array} \right) \quad (3)$$

$$\min \left(\max \left(\begin{array}{c} \min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right) \\ \vdots \\ \min \left(F'(x), \min \left(F_n(x), G_n(y) \right) \right) \end{array} \right), \min \left(G_i(y), H_i(z) \right) \right) \quad (1)$$

$$= \max \left(\begin{array}{c} \min \left(\min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right), \min \left(G_i(y), H_i(z) \right) \right) \\ \vdots \\ \min \left(\min \left(F'(x), \min \left(F_n(x), G_n(y) \right) \right), \min \left(G_i(y), H_i(z) \right) \right) \end{array} \right) \quad (2)$$

$$= \max \left(\begin{array}{c} \min \left(\min \left(F'(x), \min \left(F_1(x), \min \left(G_1(y), G_i(y) \right) \right) \right), H_i(z) \right) \\ \vdots \\ \min \left(\min \left(F'(x), \min \left(F_n(x), \min \left(G_n(y), G_i(y) \right) \right) \right), H_i(z) \right) \end{array} \right) \quad (3)$$

$$\min \left(\max \left(\begin{array}{c} \min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right) \\ \vdots \\ \min \left(F'(x), \min \left(F_n(x), G_n(y) \right) \right) \end{array} \right), \min \left(G_i(y), H_i(z) \right) \right) \quad (1)$$

$$= \max \left(\begin{array}{c} \min \left(\min \left(F'(x), \min \left(F_1(x), G_1(y) \right) \right), \min \left(G_i(y), H_i(z) \right) \right) \\ \vdots \\ \min \left(\min \left(F'(x), \min \left(F_n(x), G_n(y) \right) \right), \min \left(G_i(y), H_i(z) \right) \right) \end{array} \right) \quad (2)$$

$$= \max \left(\begin{array}{c} \min \left(\min \left(F'(x), \min \left(F_1(x), \min \left(G_1(y), G_i(y) \right) \right) \right), H_i(z) \right) \\ \vdots \\ \min \left(\min \left(F'(x), \min \left(F_n(x), \min \left(G_n(y), G_i(y) \right) \right) \right), H_i(z) \right) \end{array} \right) \quad (3)$$

$$= \min \left(F'(x), \min \left(\max \left(\begin{array}{c} \min \left(F_1(x), \min \left(G_1(y), G_i(y) \right) \right) \\ \vdots \\ \min \left(F_n(x), \min \left(G_n(y), G_i(y) \right) \right) \end{array} \right), H_i(z) \right) \right) \quad (4)$$