

$$+ \mathbb{1} \begin{array}{c} \# \\ \diagdown \end{array} \mathbb{1} = \frac{\mathbb{1} \begin{array}{c} \# \\ \diagdown \end{array} \mathbb{1} \xleftarrow[\text{connex}]{\mathbb{4}} \mathbb{1}}{\mathbb{4} \underbrace{\mathbb{1} \mathbb{1}} = \underbrace{\mathbb{4} \mathbb{1}} \mathbb{1} + \mathbb{1} \underbrace{d \mathbb{1}}}$$

$$\mathbb{4} - \mathbb{4} \in \mathbb{1} \begin{array}{c} \# \\ \diagdown \end{array} \mathbb{1}$$

$$\begin{aligned} \underbrace{\mathbb{4} - \mathbb{4}} \underbrace{\mathbb{1} \mathbb{1}} &= \mathbb{4} \underbrace{\mathbb{1} \mathbb{1}} - \mathbb{4} \underbrace{\mathbb{1} \mathbb{1}} = \overbrace{\mathbb{4} \mathbb{1} \mathbb{1} + \mathbb{1} d \mathbb{1}} - \overbrace{\mathbb{4} \mathbb{1} \mathbb{1} + \mathbb{1} d \mathbb{1}} \\ &= \underbrace{\mathbb{4} \mathbb{1}} \mathbb{1} + \mathbb{1} \underbrace{d \mathbb{1}} - \underbrace{\mathbb{4} \mathbb{1}} \mathbb{1} - \mathbb{1} \underbrace{d \mathbb{1}} = \underbrace{\mathbb{4} \mathbb{1}} \mathbb{1} - \underbrace{\mathbb{4} \mathbb{1}} \mathbb{1} = \underbrace{\mathbb{4} \mathbb{1} - \mathbb{4} \mathbb{1}} \mathbb{1} = \underbrace{\mathbb{4} - \mathbb{4}} \mathbb{1} \mathbb{1} \end{aligned}$$

$$\mathbb{4} e \in \mathbb{1} \begin{array}{c} \# \\ \diagdown \end{array} \mathbb{1}$$

$$\mathbb{4} = d + \mathbb{4} e$$

$$\mathbb{4} \mathbb{1} = \mathbb{4} \underbrace{e \mathbb{1}} = \underbrace{\mathbb{4} e} \mathbb{1} + e \underbrace{d \mathbb{1}} = \underbrace{\mathbb{4} e} \mathbb{1} + d \mathbb{1}$$