

$$\begin{array}{ccccc}
 & & \text{ru}_{H_1}^{\langle \mathbf{Set}, \times, \mathbf{1} \rangle} & & \text{lu}_{H_1}^{\langle \mathbf{Set}, \times, \mathbf{1} \rangle} \\
 H_1 \times \mathbf{1} & \xrightarrow{\hspace{10em}} & H_1 & \xleftarrow{\hspace{10em}} & \mathbf{1} \times H_1 \\
 \downarrow f * \text{id}_* & & \downarrow f & & \downarrow \text{id}_* * f \\
 \text{Pow}(\mathbf{N}_1 + \emptyset) & \xrightarrow{\hspace{10em}} & \mathbf{N}_1 & \xleftarrow{\hspace{10em}} & \text{Pow}(\emptyset + \mathbf{N}_1) \\
 & & \text{Pow}(\text{ru}_{N_1}^{\langle \mathbf{Set}^{\text{op}}, +, \emptyset \rangle}) & & \text{Pow}(\text{lu}_{N_1}^{\langle \mathbf{Set}^{\text{op}}, +, \emptyset \rangle})
 \end{array}$$