$$\begin{array}{c|c} & \operatorname{ru}_{\mathbf{H}_{1}}^{\langle \mathbf{Set}, \times, \mathbf{1} \rangle} & \operatorname{lu}_{\mathbf{H}_{1}}^{\langle \mathbf{Set}, \times, \mathbf{1} \rangle} \\ & \mathbf{H}_{1} \times \mathbf{1} & & \operatorname{lu}_{\mathbf{H}_{1}}^{\langle \mathbf{Set}, \times, \mathbf{1} \rangle} \\ f * \operatorname{id}_{*} \downarrow & & \downarrow f & & \downarrow \operatorname{id}_{*} * f \\ & \operatorname{Pow}(\mathbf{N}_{1} + \emptyset) & & & \operatorname{Pow}(\operatorname{ru}_{\mathbf{N}_{1}}^{\langle \mathbf{Set}^{\operatorname{op}}, +, \emptyset \rangle}) & \operatorname{Pow}(\emptyset + \mathbf{N}_{1}) \end{array}$$