$$\exp Q_{\vDash}$$

$$1 \triangle \overset{Q}{} \overset{\mathbb{N}}{1} \qquad\qquad 1 \triangle \overset{O}{} \overset{\mathbb{N}}{1} = 1 \triangle \overset{\mathbb{N}}{1}$$

$$\exp -Q_{\vDash}$$

$$\exp Q_{\vDash} 1 = 1^{\sim} I$$

$$=\overbrace{1\boxtimes 1}^{\sim} 1^{\sim} \underbrace{1^{\sim}1}_{\text{ind}} = 1^{\sim} \overbrace{\exp -Q_{\vDash} 1} = \underbrace{1\boxtimes}\,\overbrace{\exp -Q_{\vDash} 1} + \overbrace{1Q}\,\vDash\overbrace{\exp -Q_{\vDash} 1}$$

$$= \underbrace{1\boxtimes}\,\overbrace{\exp -Q_{\vDash} 1} - \underbrace{-1Q}\,\vDash\overbrace{\exp -Q_{\vDash} 1} = \underbrace{\exp\overbrace{-Q\vDash}}\,\underbrace{1\boxtimes 1}$$

$$1 \in 1\,_1 \mathrm{mod}_1$$

$$\vdash \in 1^{\sharp} = \mathrm{Hom}\ (1{:}1)$$