$$\mathbb{I}_{\cdot} \in \varDelta\mathbb{K}\ \mathrm{sAlg}$$

$$\mathbb{I}_{\cdot}\blacktriangle^{\mathbb{I}_{\cdot}} = \frac{\mathbb{I}_{\cdot} \xleftarrow{\int} \mathbb{I}_{\cdot}\ \mathrm{lin}}{\int\underline{\lrcorner\natural} = \underline{\int\lrcorner}\natural + {}^{\dot\int\lrcorner}{-1}\underline{\int\natural}} \sqsubset \mathbb{I}_{\cdot}\varDelta^{\mathbb{I}_{\cdot}}$$

$$\mathbb{I}_{\cdot}\varDelta^{\mathbb{I}_{\cdot}} \ni \dot\int \Rightarrow \int\divideontimes F = \int F - {}^{\dot\int \dot F}{-1}\,F\int \in \mathbb{I}_{\cdot}\varDelta^{\mathbb{I}_{\cdot}}$$

$$\mathbb{I}_{\cdot}\varDelta^{\mathbb{I}_{\cdot}} \ni \dot\int \Rightarrow \int\divideontimes F = \int F - {}^{\dot\int \dot F}{-1}\,F\int \in \mathbb{I}_{\cdot}\varDelta^{\mathbb{I}_{\cdot}}$$

$$\underline{\int\divideontimes F}\underline{\lrcorner\natural} = \int\overline{F\underline{\lrcorner\natural}} - {}^{\dot\int \dot F}{-1}\,F\overline{\int\underline{\lrcorner\natural}} = \int\,\underline{F\lrcorner}\natural + {}^{\dot F\lrcorner}{-1}\underline{F\natural} - {}^{\dot\int \dot F}{-1}\,F\overline{\underline{\int\lrcorner}\natural + {}^{\dot\int\lrcorner}{-1}\underline{\int\natural}}$$

$$= \overline{\int\underline{F\lrcorner}}\,\natural + {}^{\dot\int|\dot F\lrcorner|}{-1}\,\underline{F\lrcorner}\underline{\int\natural} + {}^{\dot F\lrcorner}{-1}\,\underline{\int\lrcorner}\underline{F\natural} + {}^{\dot F\lrcorner}{-1}\underline{\lrcorner}\overline{\int F\natural}$$

$$- {}^{\dot\int \dot F}{-1}\,\underline{F\underline{\int\lrcorner}}\,\natural + {}^{\dot F|\dot\int\lrcorner|}{-1}\underline{\int\lrcorner}\underline{F\natural} - {}^{\dot\int \dot F}{-1}\,{}^{\dot\int\lrcorner}{-1}\,\underline{F\lrcorner}\underline{\int\natural} + {}^{\dot F\lrcorner}{-1}\underline{\lrcorner}\overline{F\int\natural}$$

$$= \overline{\int\underline{F\lrcorner}}\,\natural + {}^{\dot F\lrcorner}{-1}\,{}^{\dot\int\lrcorner}{-1}\underline{\lrcorner}\overline{\int F\natural} - {}^{\dot\int \dot F}{-1}\,\overline{F\underline{\int\lrcorner}}\,\natural - {}^{\dot\int \dot F}{-1}\,{}^{\dot\int\lrcorner}{-1}\,{}^{\dot F\lrcorner}{-1}\underline{\lrcorner}\overline{F\int\natural} = \overline{\underline{\int\divideontimes F}\underline{\lrcorner}}\,\natural + {}^{\left(\dot\int + \dot F\right)\lrcorner}{-1}\underline{\lrcorner}\overline{\underline{\int\divideontimes F}\natural}$$