1　Insert formula

A signature $\sum = (\mathrm{S}, \mathrm{OP}, \mathrm{X})$ consists of a finite set S of sorts.

$$\mathrm{X}_s \subseteq \mathrm{EXPR_s} \; \textit{for every } s \in \mathrm{S} \tag{1}$$

$a^2,\ b_1,\ \dfrac{num}{den},\ \sqrt{x}$

$$\mathbb{R}\mathbb{Z}\mathbb{C}\mathbb{Q}\mathbb{N}[\![]\!]$$

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$$\mathfrak{ABCDEFGHIJKIJKLMNOPQRSTUVWXYZ}$$

$$\mathcal{ABCDEFGHIJKLMNOPQRSTUVWXYZ}$$

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$$\mathbb{ABCDEFGHIJKLMNOPQRSTUVWXYZk}$$

$$\sqsubseteq \sqsupseteq \uplus \lessgtr \leqq \geqq \notin \in \subseteq \subset \Rightarrow \Leftrightarrow$$

$$\begin{cases} x_1 + x_2 + x_3 = b_1 \\ x_2 + x_3 + x_5 + x_7 + x_9 = b_2 + 1 \end{cases}$$

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