

\in ==: p_1
 $\in\in$ ==: $\in \circ \in$
 \ni ==: $\in \sim$
 $\ni\in$ ==: $\text{bros}(\in)$
 $\text{valve}(P, Q)$ ==: $P - \delta \circ (P - Q)$
 $\mathcal{F}(P)$ ==: $\text{syq}(P^\sim, \in)$
-- : **set-formation construct**
 $\text{Coll}(\mathcal{F}(\ni))$
-- : **extensionality axiom**
 $\text{IA}(\in) = \text{IA}(\in - \ni\in)$
-- : **regularity axiom**
 $\notin\in$ ==: $\bar{\in} \circ \in$
 mix ==: $\in\in \cap \notin\in$
 λ ==: $\text{valve}(\text{mix}, 0)$
 $\mathbb{1}_\circ(\lambda, \ni)$
-- : **axiom of elementary sets**
 ρ ==: $\lambda \circ (\in \cap \ni \overline{\circ\delta\text{omix}})$
 dxxx ==: $\lambda \circ (\in \cap \ni \circ\lambda)$
 ϱ ==: $\text{valve}(\in\in, \lambda)$
 $\text{Skolem}(\ni \cup \iota - \ni\in, p_2, \text{arb})$
-- : **conservative extension of language**
 $\text{areTotQProj}(\text{tot}(\lambda^\sim), \text{tot}(\varrho^\sim), \text{setMaddux})$
-- : **one way of incorporating full first-order notation**
 $\partial(P)$ ==: $\text{rR}(\in, P^\sim)$
-- : **circumscription construct**
 $\ni\ni$ ==: $\text{bros}(\in, \ni)$
 $\text{Tot}(\partial(\ni\ni))$
-- : **unionset axiom**
 $\overline{\ni\in}$ ==: $\text{IR}(\ni, \ni)$
 $\text{Tot}(\partial(\overline{\ni\in}))$
-- : **powerset axiom**
 $\text{funcPart}(P)$ ==: $\text{valve}^\sim(P^\sim, \emptyset)$
 $\text{sepHas}(P, Q)$ ==: $\text{funcPart}(Q) \circ \ni \cap P$
 $\text{Tot}(\mathcal{F}(\text{sepHas}(-, -)))$
-- : **subset axioms**
 trans ==: $\text{diag}(\partial(\ni\ni))$
 $\text{Tot}(\in \circ \text{trans})$
-- : **transitive embedding axiom**
 splits ==: $\text{rR}(\ni\in, \ni) - \text{rA}(\ni \cap \ni \circ (\ni\in \cap \delta))$
 $\text{Tot}(\overline{\text{rA}}(\text{splits}) \cup \text{splits} - \text{splits} \circ (\overline{\ni\in}^\sim \cap \delta))$
-- : **choice axiom**
 $\text{Tot}(\text{IA}(\partial(\ni\ni) \cap \partial^\sim(\ni\ni)) - \in - \ni - \iota - \ni \circ \overline{\in \Delta \ni \circ \in})$
-- : **infinity axiom**
 ur ==: $\text{diag}(\mathcal{F}(\iota))$
-- : **under the above axioms, individuals cannot exist**