

l50_card_3

(TMFY3FSt2wuk4cbAoeL4VtkQr93L9t279CG)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow ((X0 \in k1_relat_1 X1) \Leftrightarrow (\neg \forall X2. (\neg k4_tarski X0 X2 \in X1) \wedge (\neg k4_tarski X2 X0 \in X1))) \quad (1)$$

Theorem 1

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow (\neg (X0 \in k1_relat_1 X1) \wedge (\forall X2. (\neg k4_tarski X0 X2 \in X1) \wedge (\neg k4_tarski X2 X0 \in X1)))$$