

t34_rewrite1
(TMZYbgejG9g2cgMy7Qty9gCAhwfK7n2vXsS)

October 27, 2020

Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ be given. Let $r3_rewrite1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

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

Assume the following.

$$\forall X0. (v1_relat_1 X0) \Rightarrow (\forall X1. (r3_rewrite1 X0 X1) \Leftrightarrow (\forall X2. \neg k4_tarski X1 X2 \in X0)) \quad (2)$$

Theorem 1

$$\forall X0. (v1_relat_1 X0) \Rightarrow (\forall X1. (\neg X1 \in k1_relat_1 X0) \Rightarrow (r3_rewrite1 X0 X1))$$