

t1_setwiseo
(TMKeMB4Yi8hp387b4qRyoMHP9aE9RiCT5cd)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k1_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.\forall X3.(r1_tarski\ X3\ (k1_enumset1 \\ & X0\ X1\ X2)) \Leftrightarrow (\neg(X3 \neq k1_xboole_0) \wedge ((X3 \neq k1_tarski\ X0) \wedge ((X3 \neq k1_tarski \\ & X1) \wedge ((X3 \neq k1_tarski\ X2) \wedge ((X3 \neq k2_tarski\ X0\ X1) \wedge ((X3 \neq k2_tarski \\ & X1\ X2) \wedge ((X3 \neq k2_tarski\ X0\ X2) \wedge (X3 \neq k1_enumset1\ X0\ X1\ X2)))))))))) \end{aligned} \tag{1}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.r1_tarski\ (k1_tarski\ X0)\ (k1_enumset1\ X0\ X1\ X2)$$