

t3_mycielsk
(TMWQ7EADk73GqpqRXi3PLmtQmD7riRyPkvn)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (r1_tarski X0 X1) \Rightarrow (r1_tarski X0 (k2_xboole_0 X2 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. k2_xboole_0 X0 X1 = k2_xboole_0 X1 X0 \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \\ & (\neg(\neg r1_tarski X5 X0) \wedge ((\neg r1_tarski X5 X1) \wedge ((\neg r1_tarski X5 X2) \wedge \\ & ((\neg r1_tarski X5 X3) \wedge (\neg r1_tarski X5 X4)))))) \Rightarrow (r1_tarski X5 (k2_xboole_0 \\ & (k2_xboole_0 (k2_xboole_0 (k2_xboole_0 X0 X1) X2) X3) X4)) \end{aligned}$$