

l1_func4

(TMP2C54zZiUFQrWrPEAdHNktvA3YFo83TXp)

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

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4_tarski X0 X1 = k4_tarski X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3)) \quad (1)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \forall X5. \forall X6. \forall X7. (k4_tarski (k4_tarski X0 X1) (k4_tarski X2 X3) = k4_tarski (k4_tarski X4 X5) (k4_tarski X6 X7)) \Rightarrow ((X0 = X4) \wedge ((X2 = X6) \wedge ((X1 = X5) \wedge (X3 = X7))))$$