

l2_yellow_3

(TMQtogRYYihUKac6y7g696JMPbX9TY7hriS)

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Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k2_xtuple_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k1_xtuple_0 (k4_tarski X0 X1) = X0) \wedge (k2_xtuple_0 (k4_tarski X0 X1) = X1) \quad (1)$$

Theorem 1

$$\forall X0. \forall X1. \forall X2. \forall X3. \forall X4. (X0 = k4_tarski (k4_tarski X1 X2) (k4_tarski X3 X4)) \Rightarrow ((k1_xtuple_0 (k1_xtuple_0 X0) = X1) \wedge ((k2_xtuple_0 (k1_xtuple_0 X0) = X2) \wedge ((k1_xtuple_0 (k2_xtuple_0 X0) = X3) \wedge (k2_xtuple_0 (k2_xtuple_0 X0) = X4))))$$