

t89_mcart_1

(TMYZ5s6kbpz6PBWgVhVc4SWkoMvopY1NYnD)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $k1_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k2_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow ((X0 \in X1) \Rightarrow (X0 = k4_tarski (k1_xtuple_0 X0) (k2_xtuple_0 X0))) \quad (1)$$

Theorem 1

$$\forall X0. \forall X1. (v1_relat_1 X1) \Rightarrow (\forall X2. ((X2 \in X1) \wedge ((X0 \in X1) \wedge ((k1_xtuple_0 X2 = k1_xtuple_0 X0) \wedge (k2_xtuple_0 X2 = k2_xtuple_0 X0)))) \Rightarrow (X2 = X0))$$