

t3_funct_3

(TMY1ok4dz366jy5KfDzLmxTE6WPR e767r1H)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k7_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (\forall X1.((v1_relat_1 X1) \wedge (v1_funct_1 X1)) \Rightarrow (\forall X2.(r1_tarski X2 (k9_xtuple_0 X2) (k3_relat_1 X0 X1))) \Leftrightarrow ((r1_tarski X2 (k9_xtuple_0 X0)) \wedge (r1_tarski X2 (k7_relat_1 X0 X2) (k9_xtuple_0 X1)))))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. ((v1_relat_1 X1) \wedge (v1_funct_1 X1)) \Rightarrow (\forall X2. ((v1_relat_1 X2) \wedge (v1_funct_1 X2)) \Rightarrow (((r1_tarski X0 (k9_xtuple_0 X1)) \wedge (r1_tarski (k7_relat_1 X1 X0) (k9_xtuple_0 X2))) \Rightarrow (r1_tarski X0 (k9_xtuple_0 (k3_relat_1 X1 X2)))))) \end{aligned}$$