

t13_comput_1

(TMVgEF2w6eRCyNTgcvUkWa7FNN788h9z3dY)

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Let $v4_funct_1 : \iota \Rightarrow o$ be given. Let $v1_comput_1 : \iota \Rightarrow o$ be given. 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 $k3_tarski : \iota \Rightarrow \iota$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (X0 \in X1) \Rightarrow (r1_tarski X0 (k3_tarski X1)) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. ((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (\forall X1. ((\\ v1_relat_1 X1) \wedge (v1_funct_1 X1)) \Rightarrow ((r1_tarski X0 X1) \Leftrightarrow ((r1_tarski \\ (k9_xtuple_0 X0) (k9_xtuple_0 X1)) \wedge (\forall X2. (X2 \in k9_xtuple_0 \\ X0) \Rightarrow (k1_funct_1 X0 X2 = k1_funct_1 X1 X2)))))) \end{aligned} \quad (2)$$

Assume the following.

$$\forall X0. ((v4_funct_1 X0) \wedge (v1_comput_1 X0)) \Rightarrow ((v1_relat_1 \\ (k3_tarski X0)) \wedge (v1_funct_1 (k3_tarski X0))) \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0. ((v4_funct_1 X0) \wedge (v1_comput_1 X0)) \Rightarrow (\forall X1. (\\ (v1_relat_1 X1) \wedge (v1_funct_1 X1)) \Rightarrow ((X1 \in X0) \Rightarrow ((r1_tarski (k9_xtuple_0 \\ X1) (k9_xtuple_0 (k3_tarski X0))) \wedge (\forall X2. (X2 \in k9_xtuple_0 \\ X1) \Rightarrow (k1_funct_1 (k3_tarski X0) X2 = k1_funct_1 X1 X2)))))) \end{aligned}$$