

t1_pzfmisc1

(TMKnZukYhkyVs94eD7JB6GYB2433yEgHX4D)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v4_relat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_funct_4 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k16_funcop_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. ((v1_relat_1 X3) \wedge \\ & ((v4_relat_1 X3 X1) \wedge ((v1_funct_1 X3) \wedge (v1_partfun1 X3 X1)))) \Rightarrow \\ & ((X0 \in X1) \Rightarrow (k9_xtuple_0 (k1_funct_4 X3 (k16_funcop_1 X0 X2)) = X1)) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. ((v1_relat_1 X3) \wedge \\ & ((v4_relat_1 X3 X0) \wedge ((v1_funct_1 X3) \wedge (v1_partfun1 X3 X0)))) \Rightarrow \\ & ((X1 \in X0) \Rightarrow (k9_xtuple_0 (k1_funct_4 X3 (k16_funcop_1 X1 X2)) = X0)) \end{aligned}$$