

t26_grfunc_1 (TMZzB-
WdesQNR5NU1kntuiggeF35fCPKFSfW)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k8_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. \forall X2. ((v1_relat_1 X2) \wedge (v1_funct_1 \\ X2)) \Rightarrow ((k4_tarski X0 X1 \in X2) \Leftrightarrow ((X0 \in k9_xtuple_0 X2) \wedge (X1 = k1_funct_1 \\ X2 X0))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0. (v1_relat_1 X0) \Rightarrow (\forall X1. \forall X2. (X2 = k8_relat_1 \\ X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow (\exists X4. (k4_tarski X3 X4 \in X0) \wedge \\ (X4 \in X1)))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0. \forall X1. \forall X2. ((v1_relat_1 X2) \wedge (v1_funct_1 \\ X2)) \Rightarrow ((X0 \in k8_relat_1 X2 X1) \Leftrightarrow ((k4_tarski X0 (k1_funct_1 X2 X0) \in \\ X2) \wedge (k1_funct_1 X2 X0 \in X1))) \end{aligned}$$