

t8_finseq_4
(TMaN2nZva61FkBETpFYbd6f4YDtqziqfm9d)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v2_funct_1 : \iota \Rightarrow o$ be given. Let $k10_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $r2_finseq_4 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k8_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow ((\forall X1. \neg \\ (X1 \in k10_xtuple_0 X0) \wedge (\forall X2. k8_relat_1 X0 (k1_tarski X1) \neq \\ k1_tarski X2)) \Leftrightarrow (v2_funct_1 X0)) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (\forall X1. (r2_finseq_4 \\ X0 X1) \Leftrightarrow (\exists X2. k1_tarski X2 = k8_relat_1 X0 (k1_tarski X1))) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} \forall X0.((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow ((v2_funct_1 X0) \Leftrightarrow \\ (\forall X1. (X1 \in k10_xtuple_0 X0) \Rightarrow (r2_finseq_4 X0 X1))) \end{aligned}$$