

t10_finseq_4
 (TMXfqh3P1qbEew9REfuQHQu3S4X2XdPwYNo)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $r2_finseq_4 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_finseq_4 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k9_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. ((v1_relat_1 X1) \wedge (v1_funct_1 X1)) \Rightarrow ((X0 \in k9_xtuple_0 X1) \Rightarrow (k9_relat_1 X1 X0 = k1_tarski (k1_funct_1 X1 X0))) \quad (1)$$

Assume the following.

$$\forall X0. ((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (\forall X1. (r2_finseq_4 X0 X1) \Rightarrow (\forall X2. (X2 = k1_finseq_4 X0 X1) \Leftrightarrow ((X2 \in k9_xtuple_0 X0) \wedge (k1_funct_1 X0 X2 = X1)))) \quad (2)$$

Theorem 1

$$\forall X0. ((v1_relat_1 X0) \wedge (v1_funct_1 X0)) \Rightarrow (\forall X1. (r2_finseq_4 X0 X1) \Rightarrow (k9_relat_1 X0 (k1_finseq_4 X0 X1) = k1_tarski X1))$$