

t123_group_9

(TMYyfkMST7fwmMUdmmJaXxAzgup2VEh2Rym)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k14_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k3_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_funct_1 : \iota \Rightarrow \iota$ be given. Let $k7_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_numbers : \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (v7_ordinal1 X1) \Rightarrow (\forall X2. (v7_ordinal1 \\ & X2) \Rightarrow (\neg(r1_tarski X0 (k2_finseq_1 (k1_nat_1 X1 np_1))) \wedge ((X2 \in \\ & k2_finseq_1 (k1_nat_1 X1 np_1)) \wedge (\neg X2 \in X0) \wedge (\forall X3. \neg(k14_finseq_1 \\ & X3 = k3_relat_1 (k14_finseq_1 X0) (k2_funct_1 (k14_finseq_1 (k7_subset_1 \\ & k5_numbers (k2_finseq_1 (k1_nat_1 X1 np_1)) (k1_tarski X2)))))) \wedge \\ & (r1_tarski X3 (k2_finseq_1 X1)))))) \end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (v7_ordinal1 X1) \Rightarrow (\forall X2. (v7_ordinal1 \\ & X2) \Rightarrow (\neg(r1_tarski X0 (k2_finseq_1 (k1_nat_1 X2 np_1))) \wedge ((X1 \in \\ & k2_finseq_1 (k1_nat_1 X2 np_1)) \wedge (\neg X1 \in X0) \wedge (\forall X3. \neg(k14_finseq_1 \\ & X3 = k3_relat_1 (k14_finseq_1 X0) (k2_funct_1 (k14_finseq_1 (k7_subset_1 \\ & k5_numbers (k2_finseq_1 (k1_nat_1 X2 np_1)) (k1_tarski X1)))))) \wedge \\ & (r1_tarski X3 (k2_finseq_1 X2)))))) \end{aligned}$$