

t1_rewrite2

(TMb18yxSVExFSRvFTWjXtYcxoQsiMhW3PCN)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k4_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_relat_1 X0) \wedge ((v1_funct_1 X0) \wedge (v1_finseq_1 X0))) \Rightarrow \\ (\forall X1.(v7_ordinal1 X1) \Rightarrow ((k1_nat_1 X1 np_1 \in k4_finseq_1 \\ X0) \Rightarrow ((X1 \in k4_finseq_1 X0) \vee (X1 = k6_numbers)))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.((v1_relat_1 X1) \wedge ((\\ v1_funct_1 X1) \wedge (v1_finseq_1 X1))) \Rightarrow ((k1_nat_1 X0 np_1 \in k4_finseq_1 \\ X1) \Rightarrow ((X0 \in k4_finseq_1 X1) \vee (X0 = k6_numbers)))) \end{aligned}$$