

t9_finseq_3
(TMHYQq7SpBtAWJ3X72874Nio75j55f57kVs)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k2_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow ((X0 \in k2_finseq_1 X1) \Rightarrow (X0 \in k2_finseq_1 (k2_xcmplx_0 X1 X2)))))) \quad (1)$$

Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow ((X0 = k6_numbers) \vee (X0 \in k2_finseq_1 X0)) \quad (2)$$

Theorem 1

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow ((X0 \neq k6_numbers) \Rightarrow (X0 \in k2_finseq_1 (k2_xcmplx_0 X0 X1))))$$