

t1_rsspace4
(TMHUQjZnnt7RJPVf8t9JzsaVEhUE1brkStZ)

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Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_comseq_2 : \iota \Rightarrow o$ be given. Let $k4_seq_4 : \iota \Rightarrow \iota$ be given. Let $k2_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k56_valued_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k1_seq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0.((v1_funct_1 X0) \wedge ((v1_funct_2 X0 k5_numbers k1_numbers) \wedge \\ & (m1_subset_1 X0 (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers k1_numbers)))))) \Rightarrow \\ & (((v1_comseq_2 X0) \wedge (k4_seq_4 (k2_relset_1 k1_numbers (k56_valued_1 \\ & k5_numbers k1_numbers X0)) = k6_numbers)) \Rightarrow (\forall X1.(v7_ordinal1 \\ & X1) \Rightarrow (k1_seq_1 X0 X1 = k6_numbers))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.((v1_funct_1 X0) \wedge ((v1_funct_2 X0 k5_numbers k1_numbers) \wedge \\ & (m1_subset_1 X0 (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers k1_numbers)))))) \Rightarrow \\ & ((\forall X1.(v7_ordinal1 X1) \Rightarrow (k1_seq_1 X0 X1 = k6_numbers)) \Rightarrow \\ & ((v1_comseq_2 X0) \wedge (k4_seq_4 (k2_relset_1 k1_numbers (k56_valued_1 \\ & k5_numbers k1_numbers X0)) = k6_numbers))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} & \forall X0.((v1_funct_1 X0) \wedge ((v1_funct_2 X0 k5_numbers k1_numbers) \wedge \\ & (m1_subset_1 X0 (k1_zfmisc_1 (k2_zfmisc_1 k5_numbers k1_numbers)))))) \Rightarrow \\ & (((v1_comseq_2 X0) \wedge (k4_seq_4 (k2_relset_1 k1_numbers (k56_valued_1 \\ & k5_numbers k1_numbers X0)) = k6_numbers)) \Leftrightarrow (\forall X1.(v7_ordinal1 \\ & X1) \Rightarrow (k1_seq_1 X0 X1 = k6_numbers))) \end{aligned}$$