

l27_seqm_3

(TMY4UskDZb2DwLBj2BsvuKLScoy3riPKLHW)

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Let $v5_valued_0 : \iota \Rightarrow o$ be given. Let $k6_funct_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k5_numbers : \iota$ be given. Let $v4_valued_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k4_relat_1 : \iota \Rightarrow \iota$ be given. Let $k4_ordinal1 : \iota$ be given. Let $v2_membered : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v6_membered : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v3_membered : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (k6_funct_3 X0 X1 = k4_relat_1 X1) \quad (1)$$

Assume the following.

$$k5_numbers = k4_ordinal1 \quad (2)$$

Assume the following.

$$\forall X0. (v2_membered X0) \Rightarrow ((v1_funct_1 (k4_relat_1 X0)) \wedge (v1_funct_2 (k4_relat_1 X0) X0 X0) \wedge (v5_valued_0 (k4_relat_1 X0))) \quad (3)$$

Assume the following.

$$v6_membered k4_ordinal1 \quad (4)$$

Assume the following.

$$\forall X0. (v6_membered X0) \Rightarrow ((v1_relat_1 (k4_relat_1 X0)) \wedge (v4_valued_0 (k4_relat_1 X0))) \quad (5)$$

Assume the following.

$$m1_subset_1 k5_numbers (k1_zfmisc_1 k1_numbers) \quad (6)$$

Assume the following.

$$\forall X0. (m1_subset_1 X0 (k1_zfmisc_1 k1_numbers)) \Rightarrow (v3_membered X0) \quad (7)$$

Assume the following.

$$\forall X0. (v3_membered X0) \Rightarrow (v2_membered X0) \quad (8)$$

Theorem 1

$$(v5_valued_0 (k6_funct_3 k1_numbers k5_numbers)) \wedge (v4_valued_0 (k6_funct_3 k1_numbers k5_numbers))$$