

t1_valued_2

(TMYG5beZrbz3qvZZWZhWrtY5ENqG2gFcjFB)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k3_valued_2 : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_valued_2 : \iota \Rightarrow \iota$ 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 $k2_numbers : \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \Rightarrow (m1_subset_1 X0 (k1_zfmisc_1 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k3_valued_2 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((v1_funct_1 X2) \wedge ((v1_funct_2 X2 X0 k2_numbers) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 k2_numbers)))))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k2_valued_2 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow ((v1_funct_1 X2) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 k2_numbers)))))) \quad (3)$$

Theorem 1

$$\forall X0. m1_subset_1 (k3_valued_2 X0) (k1_zfmisc_1 (k2_valued_2 X0))$$