

t9_subset_1 (TMa-
LYqzY9HJLvSmvXmH3kWE8UhH9LQciAhw)

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Let $k2_subset_1 : \iota \Rightarrow \iota$ be given. Let $k3_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_subset_1 : \iota \Rightarrow \iota$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. k4_xboole_0 X0 k1_xboole_0 = X0 \quad (1)$$

Assume the following.

$$\forall X0. m1_subset_1 (k1_subset_1 X0) (k1_zfmisc_1 X0) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 X0)) \Rightarrow (k3_subset_1 X0 X1 = k4_xboole_0 X0 X1) \quad (3)$$

Assume the following.

$$\forall X0. k2_subset_1 X0 = X0 \quad (4)$$

Assume the following.

$$\forall X0. k1_subset_1 X0 = k1_xboole_0 \quad (5)$$

Theorem 1 $\forall X0. k2_subset_1 X0 = k3_subset_1 X0 (k1_subset_1 X0)$.