

t81_flang_3 (TM- RfNvK1W3nMvhJjipUZsCpTSPZxTFoD7v2)

October 27, 2020

Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k8_afinsq_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_flang_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_flang_3 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_flang_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow ((k2_flang_2 X0 X1 = X1) \Leftrightarrow (k2_flang_1 X0 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k8_afinsq_1 X1))) \Rightarrow ((X0 \in k2_flang_2 X1 X2) \Leftrightarrow ((X0 = k2_flang_1 X1) \vee (X0 \in X2))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow (r1_tarski X1 (k2_flang_3 X0 X1)) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow ((k2_flang_1 X0 \in k2_flang_3 X0 X1) \Leftrightarrow (k2_flang_1 X0 \in X1)) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (5)$$

Theorem 1

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow ((r1_tarski (k2_flang_2 X0 X1) (k2_flang_3 X0 X1)) \Leftrightarrow (k2_flang_1 X0 \in X1))$$