

t109_flang_2
(TMKZiNEqiBCz91kkJ61H4jD6xXybLGB7Nrh)

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 $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k7_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_flang_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_catalan2 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow ((k2_flang_2 X0 (k8_flang_1 X0 X1) = k8_flang_1 X0 X1) \wedge (k8_flang_1 X0 (k2_flang_2 X0 X1) = k8_flang_1 X0 X1)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow (r1_tarski (k7_flang_1 X0 X1 X2) (k8_flang_1 X0 X1))) \quad (2)$$

Assume the following.

$$\forall X0. k3_catalan2 X0 = k8_afinsq_1 X0 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow (m1_subset_1 (k2_flang_2 X0 X1) (k1_zfmisc_1 (k8_afinsq_1 X0))) \quad (4)$$

Theorem 1

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow (r1_tarski (k7_flang_1 X0 (k2_flang_2 X0 X1) X2) (k8_flang_1 X0 X1)))$$