

t66_flang_1

(TMYe4HhLR4Ts3Fq6TH91Y8F4JmHXy89FTYJ)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k3_catalan2 : \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_numbers : \iota$ be given. Let $k7_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_flang_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow (r1_tarski (k7_flang_1 X0 (k8_flang_1 X0 X1) X2) (k8_flang_1 X0 X1))) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (k2_flang_1 X0 \in k8_flang_1 X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow ((k2_flang_1 X0 \in X1) \Rightarrow ((r1_xxreal_0 X2 k6_numbers) \vee (r1_tarski X1 (k7_flang_1 X0 X1 X2)))))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (m1_subset_1 (k8_flang_1 X0 X1) (k1_zfmisc_1 (k3_catalan2 X0))) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (X0 = X1) \Leftrightarrow ((r1_tarski X0 X1) \wedge (r1_tarski X1 X0)) \quad (5)$$

Theorem 1

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (\forall X2. (v7_ordinal1 X2) \Rightarrow ((\neg r1_xxreal_0 X2 k6_numbers) \Rightarrow (k7_flang_1 X0 (k8_flang_1 X0 X1) X2 = k8_flang_1 X0 X1)))$$