

t68_flang_1
(TMKFhvWRZxj8qJr7r6yZESgUhJcvc93egT1)

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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 $k8_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 \\ & X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k3_catalan2 \\ & X0))) \Rightarrow ((r1_tarski X1 (k8_flang_1 X0 X2)) \Rightarrow (k8_flang_1 X0 X2 = k8_flang_1 \\ & X0 (k4_subset_1 (k3_catalan2 X0) X2 X1)))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k3_catalan2 X0)) \Rightarrow (k4_flang_1 X0 X1 = k1_tarski X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski (k1_tarski X0) X1) \Leftrightarrow (X0 \in X1) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k3_catalan2 X0)) \Rightarrow (m1_subset_1 (k4_flang_1 X0 X1) (k1_zfmisc_1 (k3_catalan2 X0))) \quad (4)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 \\ & X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k3_catalan2 X0)) \Rightarrow ((X2 \in k8_flang_1 \\ & X0 X1) \Rightarrow (k8_flang_1 X0 X1 = k8_flang_1 X0 (k4_subset_1 (k3_catalan2 \\ & X0) X1 (k4_flang_1 X0 X2)))))) \end{aligned}$$