

t53_flang_1
(TMLMd5RiZmPnY2RkFyU8uQ3ZfDjopWaiDe3)

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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 $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k6_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (m1_subset_1 X2 (k1_zfmisc_1 \\ & (k3_catalan2 X0))) \Rightarrow (((X1 \in k6_flang_1 X0 (k8_flang_1 X0 X2) X2) \vee \\ & (X1 \in k6_flang_1 X0 X2 (k8_flang_1 X0 X2))) \Rightarrow (X1 \in k8_flang_1 X0 X2)) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 \\ & X0))) \Rightarrow ((r1_tarski (k6_flang_1 X0 (k8_flang_1 X0 X1) X1) (k8_flang_1 \\ & X0 X1)) \wedge (r1_tarski (k6_flang_1 X0 X1 (k8_flang_1 X0 X1)) (k8_flang_1 \\ & X0 X1))) \end{aligned}$$