

t106_flang_2
(TMX5rKBJJcvboQ7qjCcTNjPGRrKRcxmMfyZ)

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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 $k8_afinsq_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ 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 $k2_flang_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_catalan2 : \iota \Rightarrow \iota$ be given. Assume the following.

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

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow ((r1_tarski X1 (k8_flang_1 X0 X2)) \Rightarrow (r1_tarski (k2_flang_2 \\ & X0 X1) (k8_flang_1 X0 X2)))) \end{aligned} \tag{2}$$

Assume the following.

$$\forall X0. k3_catalan2 X0 = k8_afinsq_1 X0 \tag{3}$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (m1_subset_1 (k2_flang_2 X0 X1) (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \end{aligned} \tag{4}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow ((r1_tarski X1 (k8_flang_1 X0 X2)) \Rightarrow (k8_flang_1 X0 X2 = k8_flang_1 \\ & X0 (k4_subset_1 (k8_afinsq_1 X0) X2 (k2_flang_2 X0 X1)))) \end{aligned}$$