

t102_flang_2
(TMUM2wZFh9udf3XkKRmeTc1Zwy4dRaBinVg)

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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 $k2_flang_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_flang_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_flang_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $np_2 : \iota$ be given. Let $k3_catalan2 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 X0))) \Rightarrow (k6_flang_1 X0 (k2_flang_2 X0 X1) (k2_flang_2 X0 X1) = k1_flang_2 X0 X1 k6_numbers np_2) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (\forall X3. (m1_subset_1 X3 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (\forall X4. (m1_subset_1 X4 (k1_zfmisc_1 (k3_catalan2 X0))) \Rightarrow (((r1_tarski X1 X2) \wedge (r1_tarski X3 X4)) \Rightarrow (r1_tarski (k6_flang_1 X0 X1 X3) (k6_flang_1 X0 X2 X4)))))) \end{aligned} \quad (2)$$

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

$$\begin{aligned} & \forall X0. \forall X1. (m1_subset_1 X1 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow (\forall X3. (m1_subset_1 X3 (k1_zfmisc_1 (k8_afinsq_1 \\ & X0))) \Rightarrow ((r1_tarski X1 (k2_flang_2 X0 X2)) \wedge (r1_tarski X3 (k2_flang_2 \\ & X0 X2))) \Rightarrow (r1_tarski (k6_flang_1 X0 X1 X3) (k1_flang_2 X0 X2 k6_numbers \\ & np_2)))))) \end{aligned}$$