

t50_abcmiz_1
(TMJzKnd6sJtdAFPw2yMwTCYcaiXM8kcxfKC)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_abcmiz_1 : \iota$ be given. Let $v1_instal_1 : \iota \Rightarrow o$ be given. Let $v1_abcmiz_1 : \iota \Rightarrow o$ be given. Let $v3_abcmiz_1 : \iota \Rightarrow o$ be given. Let $l1_msualg_1 : \iota \Rightarrow o$ be given. Let $k35_abcmiz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_trees_4 : \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_abcmiz_1 : \iota$ be given. Let $np_2 : \iota$ be given. Let $k2_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k1_trees_4 X0 = k1_trees_4 X1) \Rightarrow (X0 = X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4_tarski X0 X1 = k4_tarski X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3)) \quad (2)$$

Assume the following.

$$k8_abcmiz_1 = np_2 \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. k4_tarski X0 X1 = k2_tarski (k2_tarski X0 X1) (k1_tarski X0) \quad (4)$$

Assume the following.

$$\forall X0. (m1_subset_1 X0 k2_abcmiz_1) \Rightarrow (\forall X1. ((v1_instal_1 X1) \wedge ((v1_abcmiz_1 X1) \wedge ((v3_abcmiz_1 X1) \wedge (l1_msualg_1 X1)))) \Rightarrow (k35_abcmiz_1 X0 X1 = k1_trees_4 (k4_tarski X0 k8_abcmiz_1))) \quad (5)$$

Theorem 1

$$\begin{aligned} & \forall X0. (m1_subset_1 X0 k2_abcmiz_1) \Rightarrow (\forall X1. (m1_subset_1 \\ & X1 k2_abcmiz_1) \Rightarrow (\forall X2. ((v1_instal_1 X2) \wedge ((v1_abcmiz_1 \\ & X2) \wedge ((v3_abcmiz_1 X2) \wedge (l1_msualg_1 X2)))) \Rightarrow (\forall X3. ((v1_instal_1 \\ & X3) \wedge ((v1_abcmiz_1 X3) \wedge ((v3_abcmiz_1 X3) \wedge (l1_msualg_1 X3)))) \Rightarrow \\ & ((k35_abcmiz_1 X0 X2 = k35_abcmiz_1 X1 X3) \Rightarrow (X0 = X1)))) \end{aligned}$$