

t54_abcmiz_0

(TMUuEoc6ZdUvXg57fBkXAxd7TSzURwFGJw)

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Let $l2_abcmiz_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_abcmiz_0 : \iota \Rightarrow \iota$ be given. Let $r2_abcmiz_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_abcmiz_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_orders_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0. (l2_abcmiz_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 \\ X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (u1_abcmiz_0 X0))) \Rightarrow \\ ((r2_abcmiz_0 X0 X1 X2) \Leftrightarrow (\exists X3. (m1_subset_1 X3 (u1_struct_0 \\ X0)) \wedge ((r1_tarski X2 (k2_abcmiz_0 X0 X3)) \wedge (r1_orders_2 X0 X3 X1))))))) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} \forall X0. (l2_abcmiz_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 \\ X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (u1_abcmiz_0 X0))) \Rightarrow \\ (\forall X3. (m1_subset_1 X3 (k1_zfmisc_1 (u1_abcmiz_0 X0))) \Rightarrow \\ (((r2_abcmiz_0 X0 X1 X2) \wedge (r1_tarski X3 X2)) \Rightarrow (r2_abcmiz_0 X0 X1 \\ X3)))))) \end{aligned}$$