

t13_abcmiz_0

(TMTsY34ydZHLt9J2vRLpHPMcFjAFxW7QCvj)

October 27, 2020

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 $u1_abcmiz_0 : \iota \Rightarrow \iota$ be given. Let $k2_abcmiz_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_abcmiz_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0. \forall X1. ((l2_abcmiz_0 X0) \wedge (m1_subset_1 X1 (u1_abcmiz_0 \\ X0))) \Rightarrow (m1_subset_1 (k3_abcmiz_0 X0 X1) (k1_zfmisc_1 (u1_struct_0 \\ X0))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0. (l2_abcmiz_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_abcmiz_0 \\ X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k1_zfmisc_1 (u1_struct_0 X0))) \Rightarrow \\ ((X2 = k3_abcmiz_0 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow (\exists X4. (m1_subset_1 \\ X4 (u1_struct_0 X0)) \wedge ((X3 = X4) \wedge (X1 \in k2_abcmiz_0 X0 X4))))))) \end{aligned} \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0. (l2_abcmiz_0 X0) \Rightarrow (\forall X1. (m1_subset_1 X1 (u1_struct_0 \\ X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (u1_abcmiz_0 X0)) \Rightarrow ((X2 \in k2_abcmiz_0 \\ X0 X1) \Leftrightarrow (X1 \in k3_abcmiz_0 X0 X2)))) \end{aligned}$$