

t100_abc Miz_1 (TMP-
DuCHksn7rapjSa5RJdnPKLgmQYz7qoJB)

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Let $v1_instalg1 : \iota \Rightarrow o$ be given. Let $v1_abc Miz_1 : \iota \Rightarrow o$ be given. Let $v3_abc Miz_1 : \iota \Rightarrow o$ be given. Let $l1_msualg_1 : \iota \Rightarrow o$ be given. Let $m1_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k13_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $k46_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $k37_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k30_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32_abc Miz_1 : \iota \Rightarrow \iota$ be given. Let $v6_abc Miz_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.((v1_instalg1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.(m1_abc Miz_1 X1 X0 (k13_abc Miz_1 \\ X0)) \Rightarrow (k46_abc Miz_1 X0 (k30_abc Miz_1 X0 (k32_abc Miz_1 X0) X1) = \\ k46_abc Miz_1 X0 X1)) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_instalg1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.((\neg v6_abc Miz_1 X1 X0) \wedge (\\ m1_abc Miz_1 X1 X0 (k13_abc Miz_1 X0))) \Rightarrow (\exists X2.(m1_abc Miz_1 \\ X2 X0 (k13_abc Miz_1 X0)) \wedge ((X1 = k30_abc Miz_1 X0 (k32_abc Miz_1 X0) \\ X2) \wedge (k37_abc Miz_1 X0 X1 = X2)))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.((v1_instalg1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.((v6_abc Miz_1 X1 X0) \wedge (m1_abc Miz_1 \\ X1 X0 (k13_abc Miz_1 X0))) \Rightarrow (k37_abc Miz_1 X0 X1 = k30_abc Miz_1 X0 \\ (k32_abc Miz_1 X0) X1)) \end{aligned} \tag{3}$$

Theorem 1

$$\begin{aligned} \forall X0.((v1_instalg1 X0) \wedge ((v1_abc Miz_1 X0) \wedge ((v3_abc Miz_1 \\ X0) \wedge (l1_msualg_1 X0)))) \Rightarrow (\forall X1.(m1_abc Miz_1 X1 X0 (k13_abc Miz_1 \\ X0)) \Rightarrow (k46_abc Miz_1 X0 (k37_abc Miz_1 X0 X1) = k46_abc Miz_1 X0 X1)) \end{aligned}$$