

t64\_abc Miz\_1  
 (TMWjoccVpVRzCZZbA6eG61hQeZd119DgbZf)

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Let  $v1\_instal\!g_1 : \iota \Rightarrow o$  be given. Let  $v1\_abc\!miz_1 : \iota \Rightarrow o$  be given. Let  $v3\_abc\!miz_1 : \iota \Rightarrow o$  be given. Let  $l1\_msual\!g_1 : \iota \Rightarrow o$  be given. Let  $v8\_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k13\_abc\!miz_1 : \iota \Rightarrow \iota$  be given. Let  $v6\_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v7\_abc\!miz_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0.((v1\_instal\!g_1 X0) \wedge ((v1\_abc\!miz_1 X0) \wedge ((v3\_abc\!miz_1 \\ X0) \wedge (l1\_msual\!g_1 X0)))) \Rightarrow (\forall X1.(m1\_abc\!miz_1 X1 X0 (k13\_abc\!miz_1 \\ X0)) \Rightarrow ((v8\_abc\!miz_1 X1 X0) \Leftrightarrow ((v6\_abc\!miz_1 X1 X0) \vee (v7\_abc\!miz_1 \\ X1 X0)))) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} \forall X0. \forall X1. ((v1\_instal\!g_1 X1) \wedge ((v1\_abc\!miz_1 X1) \wedge \\ (v3\_abc\!miz_1 X1) \wedge (l1\_msual\!g_1 X1))) \Rightarrow (((v8\_abc\!miz_1 X0 X1) \wedge \\ (m1\_abc\!miz_1 X0 X1 (k13\_abc\!miz_1 X1))) \Leftrightarrow (((v6\_abc\!miz_1 X0 X1) \wedge \\ (m1\_abc\!miz_1 X0 X1 (k13\_abc\!miz_1 X1))) \vee ((v7\_abc\!miz_1 X0 X1) \wedge \\ (m1\_abc\!miz_1 X0 X1 (k13\_abc\!miz_1 X1)))) \end{aligned}$$