

t63\_abc Miz\_1  
 (TMW4jGJnVaZps7nceEy5s34vbaSyGpSYk6C)

October 27, 2020

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  $k38\_abc\!miz_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0. ((v1\_instal\!g_1 X0) \wedge ((v1\_abc\!miz_1 X0) \wedge ((v3\_abc\!miz_1 \\ X0) \wedge (l1\_msual\!g_1 X0)))) \Rightarrow (k38\_abc\!miz_1 X0 = \mathit{ReplSep} (\mathit{toset} (\lambda X1 : \\ \iota. m1\_abc\!miz_1 X1 X0 (k13\_abc\!miz_1 X0))) (\lambda X1 : \iota. v8\_abc\!miz_1 \\ X1 X0) (\lambda X1 : \iota. X1)) \end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned} \forall X0. \forall X1. ((v1\_instal\!g_1 X1) \wedge ((v1\_abc\!miz_1 X1) \wedge \\ (v3\_abc\!miz_1 X1) \wedge (l1\_msual\!g_1 X1))) \Rightarrow (((v8\_abc\!miz_1 X0 X1) \wedge \\ (m1\_abc\!miz_1 X0 X1 (k13\_abc\!miz_1 X1))) \Leftrightarrow (X0 \in k38\_abc\!miz_1 X1)) \end{aligned}$$