

t79\_mcart\_1

(TMHFDP7yMuhZ9YGWhjsKLkSHHtxbF94a21r)

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Let  $k4\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_xtuple\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_xtuple\_0 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \neg (X0 \in k3\_zfmisc\_1 \\ & X1\ X2\ X3) \wedge (\forall X4. \forall X5. \forall X6. \neg (X4 \in X1) \wedge ((X5 \in X2) \wedge \\ & ((X6 \in X3) \wedge (X0 = k3\_xtuple\_0\ X4\ X5\ X6)))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. k6\_xtuple\_0\ X0\ X1 \\ & X2\ X3 = k4\_tarski\ (k3\_xtuple\_0\ X0\ X1\ X2)\ X3 \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. k4\_zfmisc\_1\ X0\ X1 \\ & X2\ X3 = k2\_zfmisc\_1\ (k3\_zfmisc\_1\ X0\ X1\ X2)\ X3 \end{aligned} \quad (3)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (X2 = k2\_zfmisc\_1\ X0\ X1) \Leftrightarrow (\forall X3. \\ & (X3 \in X2) \Leftrightarrow (\exists X4. \exists X5. (X4 \in X0) \wedge ((X5 \in X1) \wedge (X3 = k4\_tarski \\ & X4\ X5)))) \end{aligned} \quad (4)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. \forall X4. \neg (X0 \in \\ & k4\_zfmisc\_1\ X1\ X2\ X3\ X4) \wedge (\forall X5. \forall X6. \forall X7. \forall X8. \\ & \neg (X5 \in X1) \wedge ((X6 \in X2) \wedge ((X7 \in X3) \wedge ((X8 \in X4) \wedge (X0 = k6\_xtuple\_0\ X5\ X6 \\ & X7\ X8)))))) \end{aligned}$$