t68_mcart_1 (TM-FYmQfvhGLV9FxT35p6bYgLpkT2RcLpfyp)

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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.

$$\forall X0.\forall X1.\forall X2.k3\_xtuple\_0\ X0\ X1\ X2 = k4\_tarski\ (k4\_tarski\ X0\ X1)\ X2 \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.k3\_zfmisc\_1\ X0\ X1\ X2 = k2\_zfmisc\_1\ (k2\_zfmisc\_1\ X0\ X1)\ X2 \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(X2 = k2\_zfmisc\_1\ X0\ X1) \Leftrightarrow (\forall X3.\ (X3 \in X2) \Leftrightarrow (\exists X4.\exists X5.(X4 \in X0) \wedge ((X5 \in X1) \wedge (X3 = k4\_tarski\ X4\ X5)))) \tag{3}$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.\neg(X0 \in k3\_zfmisc\_1\ X1\ X2\ X3) \wedge (\forall X4.\forall X5.\forall X6.\neg(X4 \in X1) \wedge ((X5 \in X2) \wedge ((X6 \in X3) \wedge (X0 = k3\_xtuple\_0\ X4\ X5\ X6))))$$