

t12\_mcart\_1  
(TMSGk1eYfxGmZDFJUTZEgXQU5RVwSUxvfmL)

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Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k2\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (X0 \in k2\_zfmisc\_1 X1 X2) \Rightarrow ((k1\_xtuple\_0 X0 \in X1) \wedge (k2\_xtuple\_0 X0 \in X2)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1\_tarski X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (X2 = X0)) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. (X0 \in k2\_zfmisc\_1 (k1\_tarski X1) X2) \Rightarrow ((k1\_xtuple\_0 X0 = X1) \wedge (k2\_xtuple\_0 X0 \in X2))$$