

t11\_mcart\_1  
(TMHGDqv5ARLBGETqeCt3gdiTKEGQWNVjrwj)

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Let  $k1\_xtuple\_0 : \iota \Rightarrow \iota$  be given. Let  $k2\_xtuple\_0 : \iota \Rightarrow \iota$  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.

$$\forall X0. \forall X1. (k1\_xtuple\_0 (k4\_tarski X0 X1) = X0) \wedge (k2\_xtuple\_0 (k4\_tarski X0 X1) = X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (k4\_tarski X0 X1 \in k2\_zfmisc\_1 X2 X3) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X3)) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. \forall X2. ((k1\_xtuple\_0 X0 \in X1) \wedge (k2\_xtuple\_0 X0 \in X2)) \Rightarrow ((\forall X3. \forall X4. X0 \neq k4\_tarski X3 X4) \vee (X0 \in k2\_zfmisc\_1 X1 X2))$$