

t14\_card\_3  
 (TMHhEwutfBbJ4gzbFfqXaPq5hj5pKbMqxN2)

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Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $k5\_card\_3 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_funct\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. (X2 = k5\_card\_3 X0 X1) \Leftrightarrow (\forall X3. \\ & (X3 \in X2) \Leftrightarrow (\exists X4. ((v1\_relat\_1 X4) \wedge (v1\_funct\_1 X4)) \wedge ((X4 \in X1) \wedge (X3 = k1\_funct\_1 X4 X0)))) \end{aligned} \quad (1)$$

Assume the following.

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

**Theorem 1**

$$\forall X0. \forall X1. ((v1\_relat\_1 X1) \wedge (v1\_funct\_1 X1)) \Rightarrow (k5\_card\_3 X0 (k1\_tarski X1) = k1\_tarski (k1\_funct\_1 X1 X0))$$