

t16\_card\_1 (TM-  
NGmX1kovmYDCGpUy9wKUX34aeL5NLw46t)

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Let  $k1\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $k2\_card\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_card\_1 : \iota \Rightarrow o$  be given. Let  $r1\_ordinal1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.v1\_card\_1 (k2\_card\_1 X0) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(v1\_card\_1 X1) \Rightarrow ((X1 = k2\_card\_1 X0) \Leftrightarrow ((k1\_card\_1 X0 \in X1) \wedge (\forall X2.(v1\_card\_1 X2) \Rightarrow ((k1\_card\_1 X0 \in X2) \Rightarrow (r1\_ordinal1 X1 X2)))))) \tag{2}$$

**Theorem 1**

$$\forall X0.\forall X1.(k1\_card\_1 X0 = k1\_card\_1 X1) \Rightarrow (k2\_card\_1 X0 = k2\_card\_1 X1)$$