

t50\_circcmb3  
(TMacw3k4dp89KagNb7oC76NrETYTpmzsBYb)

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Let  $v1\_xtuple\_0 : \iota \Rightarrow o$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xtuple\_0 X0) \Leftrightarrow (\exists X1.\exists X2.X0 = k4\_tarski X1 X2) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_relat\_1 X0) \Leftrightarrow (\forall X1.\neg(X1 \in X0) \wedge (\forall X2.\forall X3.X1 \neq k4\_tarski X2 X3)) \quad (2)$$

**Theorem 1**

$$\forall X0.(\neg v1\_xtuple\_0 X0) \Rightarrow (\forall X1.(v1\_relat\_1 X1) \Rightarrow (\neg X0 \in X1))$$