

t4\_cqc\_the1  
(TMPMBoFfCqgidprfFg9Xwmt9tEiWXjbSjHK)

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Let  $v1\_finset\_1 : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \neg(v1\_finset\_1 X0) \wedge ((r1\_tarski \\ & X0 (k2\_zfmisc\_1 X1 X2)) \wedge (\forall X3. \neg(v1\_finset\_1 X3) \wedge ((r1\_tarski \\ & X3 X1) \wedge (r1\_tarski X0 (k2\_zfmisc\_1 X3 X2)))))) \end{aligned} \quad (1)$$

**Theorem 1**

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \neg(v1\_finset\_1 X0) \wedge ((v1\_finset\_1 \\ & X1) \wedge ((r1\_tarski X0 (k2\_zfmisc\_1 X2 X1)) \wedge (\forall X3. \neg(v1\_finset\_1 \\ & X3) \wedge ((r1\_tarski X3 X2) \wedge (r1\_tarski X0 (k2\_zfmisc\_1 X3 X1)))))) \end{aligned}$$