

t19\_cqc\_the1  
 (TMcE1Ve9WMuiX15QqGAYYZF8Vz9cGBpqgau)

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Let  $m1\_qc\_lang1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k3\_cqc\_lang : \iota \Rightarrow \iota$  be given. Let  $k1\_cqc\_the1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.(m1\_qc\_lang1 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_cqc\_lang X0))) \Rightarrow (r1\_tarski X1 (k1\_cqc\_the1 X0 X1))) \quad (1)$$

Assume the following.

$$\forall X0.(m1\_qc\_lang1 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_cqc\_lang X0))) \Rightarrow (r1\_tarski (k1\_cqc\_the1 X0 (k1\_cqc\_the1 X0 X1)) (k1\_cqc\_the1 X0 X1))) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.((m1\_qc\_lang1 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_cqc\_lang X0)))) \Rightarrow (m1\_subset\_1 (k1\_cqc\_the1 X0 X1) (k1\_zfmisc\_1 (k3\_cqc\_lang X0))) \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(X0 = X1) \Leftrightarrow ((r1\_tarski X0 X1) \wedge (r1\_tarski X1 X0)) \quad (4)$$

**Theorem 1**

$$\forall X0.(m1\_qc\_lang1 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k3\_cqc\_lang X0))) \Rightarrow (k1\_cqc\_the1 X0 (k1\_cqc\_the1 X0 X1) = k1\_cqc\_the1 X0 X1))$$