

t19\_goedelcp (TM-  
RirHC8hJ7xdAkKdRQ7RUtMSrARYctULML)

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Let  $m1\_qc\_lang1 : \iota \Rightarrow o$  be given. Let  $v4\_card\_3 : \iota \Rightarrow o$  be given. Let  $k3\_cqc\_lang : \iota \Rightarrow \iota$  be given. Let  $k9\_qc\_lang1 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(m1\_qc\_lang1 X0) \Rightarrow ((v4\_card\_3 X0) \Rightarrow (v4\_card\_3 (k9\_qc\_lang1 X0))) \quad (1)$$

Assume the following.

$$\forall X0.(m1\_qc\_lang1 X0) \Rightarrow (m1\_subset\_1 (k3\_cqc\_lang X0) (k1\_zfmisc\_1 (k9\_qc\_lang1 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v4\_card\_3 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 X0)) \Rightarrow (v4\_card\_3 X1)) \quad (3)$$

**Theorem 1**

$$\forall X0.(m1\_qc\_lang1 X0) \Rightarrow ((v4\_card\_3 X0) \Rightarrow (v4\_card\_3 (k3\_cqc\_lang X0)))$$