

l21_cqc_the1

(TMS14LhTE6EyaQKmxMoGdmubEv3nvpkqSX9)

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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 $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_cqc_the1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_cqc_the1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_qc_lang1\ X0) \Rightarrow (\forall X1.(m1_subset_1\ X1\ (k1_zfmisc_1 \\ (k3_cqc_lang\ X0))) \Rightarrow (\forall X2.(m1_subset_1\ X2\ (k1_zfmisc_1 \\ (k3_cqc_lang\ X0))) \Rightarrow ((v1_cqc_the1\ X1\ X0) \wedge (r1_tarski\ X2\ X1)) \Rightarrow \\ (r1_tarski\ (k1_cqc_the1\ X0\ X2)\ X1)))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.(m1_qc_lang1\ X0) \Rightarrow (\forall X1.(m1_subset_1\ X1\ (k1_zfmisc_1 \\ (k3_cqc_lang\ X0))) \Rightarrow (v1_cqc_the1\ (k1_cqc_the1\ X0\ X1)\ X0)) \quad (2)$$

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

$$\forall X0.(m1_qc_lang1\ X0) \Rightarrow (\forall X1.(m1_subset_1\ X1\ (k1_zfmisc_1 \\ (k3_cqc_lang\ X0))) \Rightarrow (r1_tarski\ (k1_cqc_the1\ X0\ (k1_cqc_the1\ X0 \\ X1))\ (k1_cqc_the1\ X0\ X1)))$$