t64_cqc_the3
(TMSdLW3dEEGdn6759cZLeiRTGuaaCxs99d6)

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Let $m1\_qc\_lang1 : \iota \Rightarrow o$ be given. Let $m2\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9\_qc\_lang1 : \iota \Rightarrow \iota$ be given. Let $k3\_cqc\_lang : \iota \Rightarrow \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_qc\_lang1 : \iota \Rightarrow \iota$ be given. Let $k3\_qc\_lang1 : \iota \Rightarrow \iota$ be given. Let $k13\_cqc\_lang : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k24\_qc\_lang1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m1\_qc\_lang1\ X0) \Rightarrow (\forall X1.(m2\_subset\_1\ X1\ (k2\_qc\_lang1$$
$$X0)\ (k3\_qc\_lang1\ X0)) \Rightarrow (\forall X2.(m2\_subset\_1\ X2\ (k2\_qc\_lang1$$
$$X0)\ (k3\_qc\_lang1\ X0)) \Rightarrow (\forall X3.(m1\_subset\_1\ X3\ (k9\_qc\_lang1$$
$$X0)) \Rightarrow (\neg(X1 {\neq} X2) \wedge ((\neg X1 \in k24\_qc\_lang1\ X0\ X3) \wedge (X1 \in k24\_qc\_lang1$$
$$X0\ (k13\_cqc\_lang\ X0\ X3\ X2)))))))$$

$$(1)$$

Theorem 1

$$\forall X0.(m1\_qc\_lang1\ X0) \Rightarrow (\forall X1.(m2\_subset\_1\ X1\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0)) \Rightarrow (\forall X2.(m1\_subset\_1\ X2\ (k9\_qc\_lang1$$
$$X0)) \Rightarrow (\forall X3.(m2\_subset\_1\ X3\ (k2\_qc\_lang1\ X0)\ (k3\_qc\_lang1$$
$$X0)) \Rightarrow (\forall X4.(m2\_subset\_1\ X4\ (k2\_qc\_lang1\ X0)\ (k3\_qc\_lang1$$
$$X0)) \Rightarrow (\neg(X1 = k13\_cqc\_lang\ X0\ X2\ X3) \wedge ((X3{\neq}X4) \wedge ((\neg X4 \in k24\_qc\_lang1$$
$$X0\ X2) \wedge (X4 \in k24\_qc\_lang1\ X0\ X1))))))))$$