

t22_cqc_sim1 (TMGsHaAtWxEdHLUyXvUn- NEKZWeSCc4qYha5)

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Let $m1_qc_lang1 : \iota \Rightarrow o$ be given. Let $k13_cqc_sim1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_cqc_lang : \iota \Rightarrow \iota$ be given. Let $k26_qc_lang1 : \iota \Rightarrow \iota$ be given. Let $v6_qc_lang1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k12_qc_lang1 : \iota \Rightarrow \iota$ be given. Let $k1_qc_lang2 : \iota \Rightarrow \iota$ 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. Assume the following.

$$\forall X0.(m1_qc_lang1 X0) \Rightarrow ((v6_qc_lang1 (k12_qc_lang1 X0) X0) \wedge (v6_qc_lang1 (k1_qc_lang2 X0) X0)) \quad (1)$$

Assume the following.

$$\forall X0.(m1_qc_lang1 X0) \Rightarrow (\forall X1.(m2_subset_1 X1 (k9_qc_lang1 X0) (k3_cqc_lang X0)) \Rightarrow ((k13_cqc_sim1 X0 X1 = k26_qc_lang1 X0) \Leftrightarrow (v6_qc_lang1 X1 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(m1_qc_lang1 X0) \Rightarrow (k5_cqc_lang X0 = k12_qc_lang1 X0) \quad (3)$$

Assume the following.

$$\forall X0.(m1_qc_lang1 X0) \Rightarrow (m2_subset_1 (k5_cqc_lang X0) (k9_qc_lang1 X0) (k3_cqc_lang X0)) \quad (4)$$

Theorem 1

$$\forall X0.(m1_qc_lang1 X0) \Rightarrow (k13_cqc_sim1 X0 (k5_cqc_lang X0) = k26_qc_lang1 X0)$$