

t1_altpat_1

(TMTe84bNUB58MqMQsxMtbRhxZss4b1Q6ZfV)

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Let $k4_relat_1 : \iota \Rightarrow \iota$ be given. Let $k1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k11_cqc_sim1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 X1) \Rightarrow ((v1_xboole_0 X1) \vee (X0 \in X1)) \quad (1)$$

Assume the following.

$$\forall X0. k11_cqc_sim1 X0 = k4_relat_1 X0 \quad (2)$$

Assume the following.

$$\forall X0. \neg v1_xboole_0 (k1_funct_2 X0 X0) \quad (3)$$

Assume the following.

$$\forall X0. m1_subset_1 (k11_cqc_sim1 X0) (k1_funct_2 X0 X0) \quad (4)$$

Theorem 1 $\forall X0. k4_relat_1 X0 \in k1_funct_2 X0 X0.$