

t8_ramsey_1
(TMWdKiDZ283iHkctcNEHgNzvNa4apebBqfmo)

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Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $k1_card_1 : \iota \Rightarrow \iota$ be given. Let $k3_group_10 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v1_finset_1 X0) \Rightarrow (k5_card_1 X0 = k1_card_1 X0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_finset_1 X0) \Rightarrow (\forall X1.(v1_finset_1 X1) \Rightarrow ((k5_card_1 X1 = X0) \Rightarrow (k3_group_10 X1 X0 = k1_tarski X1))) \quad (2)$$

Theorem 1

$$\forall X0.\forall X1.((v1_finset_1 X0) \wedge ((v1_finset_1 X1) \wedge (k1_card_1 X1 = X0))) \Rightarrow (k3_group_10 X1 X0 = k1_tarski X1)$$