

t10_ramsey_1

(TMUw5F7cT2y46kv9xpeyyaVrqa2Wd4x3qoc)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_finset_1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow (\neg \\ (r1_xxreal_0 X1 (k5_card_1 X0)) \wedge (\forall X2.(m1_subset_1 X2 (\\ k1_zfmisc_1 X0)) \Rightarrow (k5_card_1 X2 \neq X1)))) \end{aligned} \quad (1)$$

Theorem 1

$$\begin{aligned} \forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v1_finset_1 X1) \Rightarrow (\neg \\ (r1_xxreal_0 X0 (k5_card_1 X1)) \wedge (\forall X2.(m1_subset_1 X2 (\\ k1_zfmisc_1 X1)) \Rightarrow (k5_card_1 X2 \neq X0)))) \end{aligned}$$