

l14_rearran1 (TMP- dUgdpexL18omaTiZkQ7V7rLQNq9wYncE)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k4_finseq_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (m2_finseq_1 X2 X0) \Rightarrow (((X1 \in k4_finseq_1 X2) \vee (X1 \in k4_finseq_1 X2)) \Rightarrow (k1_funct_1 X2 X1 \in X0)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (X1 = k1_zfmisc_1 X0) \Leftrightarrow (\forall X2. (X2 \in X1) \Leftrightarrow (r1_tarski X2 X0)) \quad (2)$$

Theorem 1

$$\forall X0. (m1_subset_1 X0 k5_numbers) \Rightarrow (\forall X1. ((\neg v1_xboole_0 X1) \wedge (v1_finset_1 X1)) \Rightarrow (\forall X2. (m2_finseq_1 X2 (k1_zfmisc_1 X1)) \Rightarrow ((X0 \in k4_finseq_1 X2) \Rightarrow (r1_tarski (k1_funct_1 X2 X0) X1))))$$