

t5_margrel1
(TMFzpiVfCU6bXQWsvYe9Xtcjy8R9ivnjrtT)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $m1_margrel1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v3_finseq_1 : \iota \Rightarrow o$ be given. Let $v2_card_3 : \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_finseq_1 : \iota \Rightarrow o$ be given. Let $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$k6_numbers = k1_xboole_0 \tag{1}$$

Assume the following.

$$v1_xboole_0 \ k1_xboole_0 \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 \ X0 \ k5_numbers) \Rightarrow (\forall X1.((v3_finseq_1 \\ X1) \wedge (v2_card_3 \ X1)) \Rightarrow ((m1_margrel1 \ X1 \ X0) \Leftrightarrow (\forall X2.((v1_relat_1 \\ X2) \wedge ((v1_funct_1 \ X2) \wedge (v1_finseq_1 \ X2))) \Rightarrow ((X2 \in X1) \Rightarrow (k3_finseq_1 \\ X2 = X0)))))) \end{aligned} \tag{3}$$

Assume the following.

$$\forall X0.(v1_xboole_0 \ X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \tag{4}$$

Assume the following.

$$\forall X0.(v1_xboole_0 \ X0) \Rightarrow (v3_finseq_1 \ X0) \tag{5}$$

Assume the following.

$$\forall X0.(v1_xboole_0 \ X0) \Rightarrow (v2_card_3 \ X0) \tag{6}$$

Theorem 1 $\forall X0.(m1_subset_1 \ X0 \ k5_numbers) \Rightarrow (m1_margrel1 \ k1_xboole_0 \ X0)$.