

t3_margrel1
(TMMP3bsN6bCA7ZpAtqZdzpw46iHcr3UsZjD)

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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 $k1_xboole_0 : \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (2)$$

Assume the following.

$$\forall X0.(v3_finseq_1 X0) \Leftrightarrow (\forall X1.(X1 \in X0) \Rightarrow ((v1_relat_1 X1) \wedge ((v1_funct_1 X1) \wedge (v1_finseq_1 X1)))) \quad (3)$$

Theorem 1

$$\forall X0.((v3_finseq_1 X0) \wedge (v2_card_3 X0)) \Rightarrow ((\forall X1. (v1_relat_1 X1) \wedge ((v1_funct_1 X1) \wedge (v1_finseq_1 X1))) \Rightarrow (\neg X1 \in X0)) \Rightarrow (X0 = k1_xboole_0)$$