

t24.zfrefle1

(TMH1yn3NmaYf4Wfrdsa2sTgGx1byFumbZ1H)

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Let $v3_ordinal1 : \iota \Rightarrow o$ be given. Let $r2_ordinal2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_ordinal1 : \iota \Rightarrow \iota$ be given. Let $v4_ordinal1 : \iota \Rightarrow o$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(v3_ordinal1 X1) \Rightarrow ((r2_ordinal2 X0 X1) \Rightarrow ((v4_ordinal1 X0) \Leftrightarrow (v4_ordinal1 X1)))) \quad (1)$$

Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow ((\neg(\neg v4_ordinal1 X0) \wedge (\forall X1.(v3_ordinal1 X1) \Rightarrow (X0 \neq k1_ordinal1 X1))) \wedge (\neg(\exists X1.(v3_ordinal1 X1) \wedge (X0 = k1_ordinal1 X1)) \wedge (v4_ordinal1 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v3_ordinal1 X0) \Rightarrow ((\neg v1_xboole_0 (k1_ordinal1 X0)) \wedge (v3_ordinal1 (k1_ordinal1 X0))) \quad (3)$$

Theorem 1

$$\forall X0.(v3_ordinal1 X0) \Rightarrow (\forall X1.(v3_ordinal1 X1) \Rightarrow (\neg(r2_ordinal2 X0 (k1_ordinal1 X1)) \wedge (\forall X2.(v3_ordinal1 X2) \Rightarrow (X0 \neq k1_ordinal1 X2))))$$