

t40\_zfrefle1 (TMNFxRN-  
qLxXW9AmZ9NWDfiTtg2osv3rDFAD)

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Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $v1\_classes2 : \iota \Rightarrow o$  be given. Let  $k4\_ordinal1 : \iota$  be given. Let  $v3\_ordinal1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r2\_ordinal2 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k4\_classes1 : \iota \Rightarrow \iota$  be given. Let  $v1\_zf\_model : \iota \Rightarrow o$  be given. Let  $r2\_zfrefle1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_ordinal1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. \neg(X0 \in X1) \wedge (v1\_xboole\_0 X1) \quad (1)$$

Assume the following.

$$\forall X0. ((\neg v1\_xboole\_0 X0) \wedge (v1\_classes2 X0)) \Rightarrow ((k4\_ordinal1 \in X0) \Rightarrow (v1\_zf\_model X0)) \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0. ((\neg v1\_xboole\_0 X0) \wedge (v1\_classes2 X0)) \Rightarrow (\neg(k4\_ordinal1 \in X0) \wedge (\forall X1. ((v3\_ordinal1 X1) \wedge (m1\_subset\_1 X1 X0)) \Rightarrow (\forall X2. \\ (\neg v1\_xboole\_0 X2) \Rightarrow (\neg(r2\_ordinal2 X1 k4\_ordinal1) \wedge ((X2 = k4\_classes1 X1) \wedge (r2\_zfrefle1 X2 X0))))))) \quad (3) \end{aligned}$$

Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow (\forall X1. (\neg v1\_xboole\_0 X1) \Rightarrow ((v1\_zf\_model X0) \wedge ((r2\_zfrefle1 X0 X1) \wedge (v1\_ordinal1 X1))) \Rightarrow (v1\_zf\_model X1)) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1\_xboole\_0 X0) \wedge (\neg v1\_xboole\_0 X1)) \Rightarrow ((r2\_zfrefle1 X0 X1) \Rightarrow (r2\_zfrefle1 X1 X0)) \quad (5)$$

Assume the following.

$$\forall X0. (v3\_ordinal1 X0) \Rightarrow (v1\_ordinal1 (k4\_classes1 X0)) \quad (6)$$

**Theorem 1**

$$\begin{aligned} \forall X0.((\neg v1\_xboole\_0 X0) \wedge (v1\_classes2 X0)) \Rightarrow (\neg(k4\_ordinal1 \in \\ X0) \wedge (\forall X1.((v3\_ordinal1 X1) \wedge (m1\_subset\_1 X1 X0)) \Rightarrow (\forall X2. \\ (\neg v1\_xboole\_0 X2) \Rightarrow (\neg(r2\_ordinal2 X1 k4\_ordinal1) \wedge ((X2 = k4\_classes1 \\ X1) \wedge (v1\_zf\_model X2))))))) \end{aligned}$$