t32_zfrefle1 (TMUJyKoMEH5zkKYTjfvTjSiMVfjqPsdRQ3j)

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Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v1\_classes2 : \iota \Rightarrow o$ be given. Let $v3\_ordinal1 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k4\_classes1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow (\forall X1.\ ((v3\_ordinal1\ X1) \wedge (m1\_subset\_1\ X1\ X0)) \Rightarrow (k4\_classes1\ X1 \in X0)) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1\ X0\ X1) \tag{2}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{3}$$

Assume the following.

$$\forall X0.((v3\_ordinal1\ X0) \wedge (\neg v1\_xboole\_0\ X0)) \Rightarrow (\neg v1\_xboole\_0\ (k4\_classes1\ X0)) \tag{4}$$

Theorem 1

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow (\forall X1.\ ((v3\_ordinal1\ X1) \wedge (m1\_subset\_1\ X1\ X0)) \Rightarrow ((X1 \neq k1\_xboole\_0) \Rightarrow (\neg v1\_xboole\_0\ (k4\_classes1\ X1)) \wedge (m1\_subset\_1\ (k4\_classes1\ X1)\ X0))))$$