t6_zf_refle (TMNcY-zocvE2rQYfVyLPxgQKMH3Ux79BtJPH)

October 27, 2020

Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $v1\_classes2 : \iota \Rightarrow o$ be given. Let $k4\_ordinal1 : \iota$ be given. Let $v1\_zf\_model : \iota \Rightarrow o$ be given. Let $v1\_zf\_lang : \iota \Rightarrow o$ be given. Let $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_numbers : \iota$ be given. Let $r1\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2\_zf\_lang : \iota \Rightarrow \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $np\_\_1 : \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $k2\_zf\_model : \iota \Rightarrow \iota$ be given. Let $r2\_zf\_model : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k11\_zf\_model : \iota \Rightarrow \iota$ be given. Let $k10\_zf\_model : \iota$ be given. Let $k9\_zf\_model : \iota$ be given. Let $k8\_zf\_model : \iota$ be given. Let $k7\_zf\_model : \iota$ be given. Let $v1\_ordinal1 : \iota \Rightarrow o$ be given. Let $v2\_classes1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow (\forall X1.\ ((v1\_zf\_lang\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers)) \Rightarrow ((r1\_xboole\_0\ (k1\_enumset1\ (k2\_zf\_lang\ k6\_numbers)\ (k2\_zf\_lang\ np\_\_1)\ (k2\_zf\_lang\ np\_\_2))\ (k2\_zf\_model\ X1)) \Rightarrow (r2\_zf\_model\ X0\ (k11\_zf\_model\ X1)))) \tag{1}$$

Assume the following.

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow (r2\_zf\_model\ X0\ k10\_zf\_model) \tag{2}$$

Assume the following.

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow ((k4\_ordinal1 \in X0) \Rightarrow (r2\_zf\_model\ X0\ k9\_zf\_model)) \tag{3}$$

Assume the following.

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow (r2\_zf\_model\ X0\ k8\_zf\_model) \tag{4}$$

Assume the following.

$$\forall X0.((\neg v1\_xboole\_0\ X0) \wedge (v1\_classes2\ X0)) \Rightarrow (r2\_zf\_model\ X0\ k7\_zf\_model) \tag{5}$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \tag{6}$$

Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow ((v1\_zf\_model\ X0) \Leftrightarrow ((v1\_ordinal1\ X0) \wedge ((r2\_zf\_model\ X0\ k7\_zf\_model) \wedge ((r2\_zf\_model\ X0\ k8\_zf\_model) \wedge ((r2\_zf\_model\ X0\ k9\_zf\_model) \wedge ((r2\_zf\_model\ X0\ k10\_zf\_model) \wedge (\forall X1.((v1\_zf\_lang\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers)) \Rightarrow (r1\_xboole\_0\ (k1\_enumset1\ (k2\_zf\_lang\ k6\_numbers)\ (k2\_zf\_lang\ np\_\_1)\ (k2\_zf\_lang\ np\_\_2))\ (k2\_zf\_model\ X1)) \Rightarrow (r2\_zf\_model\ X0\ (k11\_zf\_model\ X1)))))))))) \tag{7}$$

Assume the following.

$$\forall X0.(v1\_classes2\ X0) \Rightarrow ((v1\_ordinal1\ X0) \wedge (v2\_classes1\ X0)) \tag{8}$$

Theorem 1

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