t7_zfrefle1 (TMLp3HZSzLpHwmG2WLJyFwGJ8MB1qyJ2GHn)

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Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $r2\_zfrefle1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $r2\_zf\_model : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_zf\_model : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Assume the following.

$$\forall X0.((v1\_zf\_lang\ X0) \wedge (m2\_finseq\_1\ X0\ k5\_numbers)) \Rightarrow (\exists X1.\ ((v1\_zf\_lang\ X1) \wedge (m2\_finseq\_1\ X1\ k5\_numbers)) \wedge ((k2\_zf\_model\ X1 = k1\_xboole\_0) \wedge (\forall X2.(\neg v1\_xboole\_0\ X2) \Rightarrow ((r2\_zf\_model\ X2\ X1) \Leftrightarrow (r2\_zf\_model\ X2\ X0))))) \tag{1}$$

Assume the following.

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow (\forall X1.(\neg v1\_xboole\_0\ X1) \Rightarrow ((r2\_zfrefle1\ X0\ X1) \Leftrightarrow (\forall X2.((v1\_zf\_lang\ X2) \wedge (m2\_finseq\_1\ X2\ k5\_numbers)) \Rightarrow ((k2\_zf\_model\ X2 = k1\_xboole\_0) \Rightarrow ((r2\_zf\_model\ X0\ X2) \Leftrightarrow (r2\_zf\_model\ X1\ X2)))))) \tag{2}$$

Theorem 1

$$\forall X0.(\neg v1\_xboole\_0\ X0) \Rightarrow (\forall X1.(\neg v1\_xboole\_0\ X1) \Rightarrow ((r2\_zfrefle1\ X0\ X1) \Leftrightarrow (\forall X2.((v1\_zf\_lang\ X2) \wedge (m2\_finseq\_1\ X2\ k5\_numbers)) \Rightarrow ((r2\_zf\_model\ X0\ X2) \Leftrightarrow (r2\_zf\_model\ X1\ X2)))))$$