t13_yellow14 (TM-MJbUrw25zMeTj9vC9pU5uamxWThLsotfD)

October 27, 2020

Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $v3\_yellow\_0 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $r2\_lattice3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $r1\_lattice3 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1\_xboole\_0 : \iota \Rightarrow o$ be given. Let $l1\_struct\_0 : \iota \Rightarrow o$ be given. Let $v2\_yellow\_0 : \iota \Rightarrow o$ be given. Let $v1\_yellow\_0 : \iota \Rightarrow o$ be given. Let $k2\_struct\_0 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \Rightarrow ((r2\_lattice3\ X0\ k1\_xboole\_0\ X1) \wedge (r1\_lattice3\ X0\ k1\_xboole\_0\ X1))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0\ X0) \Rightarrow (X0 = k1\_xboole\_0) \tag{2}$$

Assume the following.

$$\forall X0.((v2\_struct\_0\ X0) \wedge (l1\_struct\_0\ X0)) \Rightarrow (v1\_xboole\_0\ (u1\_struct\_0\ X0)) \tag{3}$$

Assume the following.

$$\forall X0.\exists X1.m1\_subset\_1\ X1\ X0 \tag{4}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (l1\_struct\_0\ X0) \tag{5}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow ((v2\_yellow\_0\ X0) \Leftrightarrow (\exists X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \wedge (r2\_lattice3\ X0\ (u1\_struct\_0\ X0)\ X1))) \tag{6}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow ((v1\_yellow\_0\ X0) \Leftrightarrow (\exists X1.(m1\_subset\_1\ X1\ (u1\_struct\_0\ X0)) \wedge (r1\_lattice3\ X0\ (u1\_struct\_0\ X0)\ X1))) \tag{7}$$

Assume the following.

$$\forall X0.(l1\_struct\_0\ X0) \Rightarrow (k2\_struct\_0\ X0 = u1\_struct\_0\ X0) \tag{8}$$

Assume the following.

$$\forall X0.(l1\_orders\_2\ X0) \Rightarrow (((v1\_yellow\_0\ X0) \wedge (v2\_yellow\_0\ X0)) \Rightarrow (v3\_yellow\_0\ X0)) \tag{9}$$

Theorem 1 $\forall X0.(l1\_orders\_2\ X0) \Rightarrow ((v2\_struct\_0\ X0) \Rightarrow (v3\_yellow\_0\ X0))$.