t27_yellow_2 (TMdcGJkuuhQyJk1fsZinmosXZfpuvxq2GfE)

October 27, 2020

Let $v2\_struct\_0 : \iota \Rightarrow o$ be given. Let $l1\_orders\_2 : \iota \Rightarrow o$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_zfmisc\_1 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $r1\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r2\_yellow\_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_orders\_2\ X0)) \Rightarrow (\forall X1.\ ((r1\_yellow\_0\ X0\ X1) \vee (r1\_yellow\_0\ X0\ (k3\_xboole\_0\ X1\ (u1\_struct\_0\ X0)))) \Rightarrow (k1\_yellow\_0\ X0\ X1 = k1\_yellow\_0\ X0\ (k3\_xboole\_0\ X1\ (u1\_struct\_0\ X0)))) \tag{1}$$

Assume the following.

$$\forall X0.((\neg v2\_struct\_0\ X0) \wedge (l1\_orders\_2\ X0)) \Rightarrow (\forall X1.\ ((r1\_yellow\_0\ X0\ X1) \Rightarrow (r1\_yellow\_0\ X0\ (k3\_xboole\_0\ X1\ (u1\_struct\_0\ X0)))) \wedge (((r1\_yellow\_0\ X0\ (k3\_xboole\_0\ X1\ (u1\_struct\_0\ X0))) \Rightarrow (r1\_yellow\_0\ X0\ X1)) \wedge (((r2\_yellow\_0\ X0\ X1) \Rightarrow (r2\_yellow\_0\ X0\ (k3\_xboole\_0\ X1\ (u1\_struct\_0\ X0)))) \wedge ((r2\_yellow\_0\ X0\ (k3\_xboole\_0\ X1\ (u1\_struct\_0\ X0))) \Rightarrow (r2\_yellow\_0\ X0\ X1))))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ X1)) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.r1\_tarski\ (k3\_xboole\_0\ X0\ X1)\ X0 \tag{4}$$

Assume the following.

$$\forall X0.\forall X1.k3\_xboole\_0\ X0\ X1 = k3\_xboole\_0\ X1\ X0 \tag{5}$$

Theorem 1

$$\forall X0.((\neg v2\_struct\_0\ X0)\wedge(l1\_orders\_2\ X0))\Rightarrow((\forall X1.\ (m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ (u1\_struct\_0\ X0)))\Rightarrow(r1\_yellow\_0\ X0\ X1))\Rightarrow(\forall X1.(r1\_yellow\_0\ X0\ X1)\wedge(k1\_yellow\_0\ X0\ X1 = k1\_yellow\_0\ X0\ (k3\_xboole\_0\ X1\ (u1\_struct\_0\ X0)))))$$