t5_e_siec (TMSNsrHsECtkqYDX7hree8QdzpKVzhcDW9z)

October 27, 2020

Let $v2\_e\_siec : \iota \Rightarrow o$ be given. Let $g1\_e\_siec : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_relat\_1 : \iota \Rightarrow \iota$ be given. Let $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v3\_e\_siec : \iota \Rightarrow o$ be given. Let $l1\_e\_siec : \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski\ (k4\_xboole\_0\ X0\ X1)\ X2) \Rightarrow (r1\_tarski\ X0\ (k2\_xboole\_0\ X1\ X2)) \tag{1}$$

Assume the following.

$$\forall X0.(v2\_e\_siec\ (g1\_e\_siec\ X0\ (k4\_relat\_1\ X0)\ (k4\_relat\_1\ X0))) \wedge ((v3\_e\_siec\ (g1\_e\_siec\ X0\ (k4\_relat\_1\ X0)\ (k4\_relat\_1\ X0))) \wedge (l1\_e\_siec\ (g1\_e\_siec\ X0\ (k4\_relat\_1\ X0)\ (k4\_relat\_1\ X0)))) \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(k4\_xboole\_0\ X0\ X1 = k1\_xboole\_0) \Leftrightarrow (r1\_tarski\ X0\ X1) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.r1\_tarski\ (k4\_xboole\_0\ X0\ X1)\ X0 \tag{4}$$

Assume the following.

$$\forall X0.r1\_tarski\ k1\_xboole\_0\ X0 \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((r1\_tarski\ X0\ X1) \wedge (r1\_tarski\ X1\ X2)) \Rightarrow (r1\_tarski\ X0\ X2) \tag{6}$$

Assume the following.

$$\forall X0.\forall X1.(v1\_relat\_1\ X1)\Rightarrow(\forall X2.(v1\_relat\_1\ X2)\Rightarrow(((v2\_e\_siec\ (g1\_e\_siec\ X0\ X1\ X2))\wedge((v3\_e\_siec\ (g1\_e\_siec\ X0\ X1\ X2))\wedge(l1\_e\_siec\ (g1\_e\_siec\ X0\ X1\ X2))))\Leftrightarrow((r1\_tarski\ X1\ (k2\_zfmisc\_1\ X0\ X0))\wedge((r1\_tarski\ X2\ (k2\_zfmisc\_1\ X0\ X0))\wedge((k3\_relat\_1\ X1\ X1 = X1)\wedge((k3\_relat\_1\ X1\ X2 = X1)\wedge((k3\_relat\_1\ X2\ X2 = X2)\wedge((k3\_relat\_1\ X2\ X1 = X2)\wedge((k3\_relat\_1\ X1\ (k4\_xboole\_0\ X1\ (k4\_relat\_1\ X0)) = k1\_xboole\_0)\wedge(k3\_relat\_1\ X2\ (k4\_xboole\_0\ X2\ (k4\_relat\_1\ X0)) = k1\_xboole\_0)))))))))) \tag{7}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1)\Rightarrow(r1\_tarski\ (k4\_relat\_1\ X0)\ (k4\_relat\_1\ X1)) \tag{8}$$

Assume the following.

$$\forall X0.r1\_tarski\ (k4\_relat\_1\ X0)\ (k2\_zfmisc\_1\ X0\ X0) \tag{9}$$

Assume the following.

$$\forall X0.\forall X1.(r1\_tarski\ X0\ X1)\Rightarrow(k2\_xboole\_0\ X0\ X1 = X1) \tag{10}$$

Assume the following.

$$\forall X0.k3\_relat\_1\ (k4\_relat\_1\ X0)\ (k4\_relat\_1\ X0) = k4\_relat\_1\ X0 \tag{11}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(k2\_zfmisc\_1\ (k4\_xboole\_0\ X0\ X1)\ X2 = k4\_xboole\_0\ (k2\_zfmisc\_1\ X0\ X2)\ (k2\_zfmisc\_1\ X1\ X2))\wedge(k2\_zfmisc\_1\ X2\ (k4\_xboole\_0\ X0\ X1) = k4\_xboole\_0\ (k2\_zfmisc\_1\ X2\ X0)\ (k2\_zfmisc\_1\ X2\ X1)) \tag{12}$$

Assume the following.

$$\forall X0.\forall X1.r1\_tarski\ X0\ X0 \tag{13}$$

Assume the following.

$$\forall X0.v1\_relat\_1\ (k4\_relat\_1\ X0) \tag{14}$$

Theorem 1

$$\forall X0.\forall X1.(v2\_e\_siec\ (g1\_e\_siec\ X0\ (k4\_relat\_1\ (k4\_xboole\_0\ X0\ X1))\ (k4\_relat\_1\ (k4\_xboole\_0\ X0\ X1))))\wedge((v3\_e\_siec\ (g1\_e\_siec\ X0\ (k4\_relat\_1\ (k4\_xboole\_0\ X0\ X1))\ (k4\_relat\_1\ (k4\_xboole\_0\ X0\ X1))))\wedge(l1\_e\_siec\ (g1\_e\_siec\ X0\ (k4\_relat\_1\ (k4\_xboole\_0\ X0\ X1))\ (k4\_relat\_1\ (k4\_xboole\_0\ X0\ X1)))))$$