t1_e_siec (TMHLih9Bofe3gYMADz7emhdeAoEkSXFzizu)

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Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $v2\_e\_siec : \iota \Rightarrow o$ be given. Let $g1\_e\_siec : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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 $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4\_relat\_1 : \iota \Rightarrow \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $v1\_e\_siec : \iota \Rightarrow o$ be given. Let $u1\_e\_siec : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $u2\_e\_siec : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.((v1\_relat\_1\ X1) \wedge (v1\_relat\_1\ X2)) \Rightarrow (\forall X3.\forall X4.\forall X5.(g1\_e\_siec\ X0\ X1\ X2 = g1\_e\_siec\ X3\ X4\ X5) \Rightarrow ((X0 = X3) \wedge ((X1 = X4) \wedge (X2 = X5)))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.((v1\_relat\_1\ X1) \wedge (v1\_relat\_1\ X2)) \Rightarrow ((v1\_e\_siec\ (g1\_e\_siec\ X0\ X1\ X2)) \wedge (l1\_e\_siec\ (g1\_e\_siec\ X0\ X1\ X2))) \tag{2}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow ((v3\_e\_siec\ X0) \Leftrightarrow ((k3\_relat\_1\ (u1\_e\_siec\ X0)\ (k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))) = k1\_xboole\_0) \wedge (k3\_relat\_1\ (u2\_e\_siec\ X0)\ (k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))) = k1\_xboole\_0))) \tag{3}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow ((v2\_e\_siec\ X0) \Leftrightarrow ((r1\_tarski\ (u1\_e\_siec\ X0)\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0))) \wedge ((r1\_tarski\ (u2\_e\_siec\ X0)\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0))) \wedge ((k3\_relat\_1\ (u1\_e\_siec\ X0)\ (u1\_e\_siec\ X0) = u1\_e\_siec\ X0) \wedge ((k3\_relat\_1\ (u1\_e\_siec\ X0)\ (u2\_e\_siec\ X0) = u1\_e\_siec\ X0) \wedge ((k3\_relat\_1\ (u2\_e\_siec\ X0)\ (u2\_e\_siec\ X0) = u2\_e\_siec\ X0) \wedge (k3\_relat\_1\ (u2\_e\_siec\ X0)\ (u1\_e\_siec\ X0) = u2\_e\_siec\ X0))))))) \tag{4}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0)\Rightarrow((v1\_e\_siec\ X0)\Rightarrow(X0 = g1\_e\_siec\ (u1\_struct\_0\ X0)\ (u1\_e\_siec\ X0)\ (u2\_e\_siec\ X0))) \tag{5}$$

Theorem 1

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