t11_e_siec (TMF6ffqa9LqqCpkuwCAYzPTVtKUAMQ4ipg8)

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Let $v2\_e\_siec : \iota \Rightarrow o$ be given. Let $v3\_e\_siec : \iota \Rightarrow o$ be given. Let $l1\_e\_siec : \iota \Rightarrow o$ be given. Let $k4\_xboole\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1\_e\_siec : \iota \Rightarrow \iota$ be given. Let $k4\_relat\_1 : \iota \Rightarrow \iota$ be given. Let $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $u2\_e\_siec : \iota \Rightarrow \iota$ be given. Let $k10\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $v1\_relat\_1 : \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_subset\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_relat\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.\forall X1.(v1\_relat\_1\ X1) \Rightarrow ((r1\_tarski\ X1\ (k2\_zfmisc\_1\ X0\ X0)) \Rightarrow ((k6\_subset\_1\ X1\ (k4\_relat\_1\ (k9\_xtuple\_0\ X1)) = k6\_subset\_1\ X1\ (k4\_relat\_1\ X0)) \wedge (k6\_subset\_1\ X1\ (k4\_relat\_1\ (k10\_xtuple\_0\ X1)) = k6\_subset\_1\ X1\ (k4\_relat\_1\ X0)))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.k6\_subset\_1\ X0\ X1 = k4\_xboole\_0\ X0\ X1 \tag{2}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow (v1\_relat\_1\ (u2\_e\_siec\ X0)) \tag{3}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow (v1\_relat\_1\ (u1\_e\_siec\ X0)) \tag{4}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow ((v2\_e\_siec\ X0) \Leftrightarrow ((r1\_tarski\ (u1\_e\_siec\ X0)\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0))) \wedge ((r1\_tarski\ (u2\_e\_siec\ X0)\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0))) \wedge ((k3\_relat\_1\ (u1\_e\_siec\ X0)\ (u1\_e\_siec\ X0) = u1\_e\_siec\ X0) \wedge ((k3\_relat\_1\ (u1\_e\_siec\ X0)\ (u2\_e\_siec\ X0) = u1\_e\_siec\ X0) \wedge ((k3\_relat\_1\ (u2\_e\_siec\ X0)\ (u2\_e\_siec\ X0) = u2\_e\_siec\ X0) \wedge (k3\_relat\_1\ (u2\_e\_siec\ X0)\ (u1\_e\_siec\ X0) = u2\_e\_siec\ X0)))))) \tag{5}$$

Theorem 1

$$\forall X0.((v2\_e\_siec\ X0)\wedge((v3\_e\_siec\ X0)\wedge(l1\_e\_siec\ X0)))\Rightarrow$$
$$((k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (k9\_xtuple\_0\ (u1\_e\_siec$$
$$X0))) = k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\wedge$$
$$((k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (k9\_xtuple\_0\ (u2\_e\_siec$$
$$X0))) = k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\wedge$$
$$((k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (k10\_xtuple\_0\ (u1\_e\_siec$$
$$X0))) = k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\wedge$$
$$(k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (k10\_xtuple\_0\ (u2\_e\_siec$$
$$X0))) = k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))))))$$