t14_e_siec (TMa1e9otR9utmg5EU3w3tVgdgiStqvYPVUs)

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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 $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $u1\_e\_siec : \iota \Rightarrow \iota$ be given. Let $u1\_struct\_0 : \iota \Rightarrow \iota$ be given. Let $k10\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $u2\_e\_siec : \iota \Rightarrow \iota$ 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.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski\ X0\ (k2\_zfmisc\_1\ X1\ X2)) \Rightarrow ((r1\_tarski\ (k9\_xtuple\_0\ X0)\ X1) \wedge (r1\_tarski\ (k10\_xtuple\_0\ X0)\ X2)) \tag{1}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow ((v2\_e\_siec\ X0) \Leftrightarrow ((r1\_tarski\ (u1\_e\_siec\ X0)\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0))) \wedge ((r1\_tarski\ (u2\_e\_siec\ X0)\ (k2\_zfmisc\_1\ (u1\_struct\_0\ X0)\ (u1\_struct\_0\ X0))) \wedge ((k3\_relat\_1\ (u1\_e\_siec\ X0)\ (u1\_e\_siec\ X0) = u1\_e\_siec\ X0) \wedge ((k3\_relat\_1\ (u1\_e\_siec\ X0)\ (u2\_e\_siec\ X0) = u1\_e\_siec\ X0) \wedge ((k3\_relat\_1\ (u2\_e\_siec\ X0)\ (u2\_e\_siec\ X0) = u2\_e\_siec\ X0) \wedge (k3\_relat\_1\ (u2\_e\_siec\ X0)\ (u1\_e\_siec\ X0) = u2\_e\_siec\ X0))))))) \tag{2}$$

Theorem 1

$$\forall X0.((v2\_e\_siec\ X0) \wedge ((v3\_e\_siec\ X0) \wedge (l1\_e\_siec\ X0))) \Rightarrow ((r1\_tarski\ (k9\_xtuple\_0\ (u1\_e\_siec\ X0))\ (u1\_struct\_0\ X0)) \wedge (r1\_tarski\ (k10\_xtuple\_0\ (u1\_e\_siec\ X0))\ (u1\_struct\_0\ X0)) \wedge (r1\_tarski\ (k9\_xtuple\_0\ (u2\_e\_siec\ X0))\ (u1\_struct\_0\ X0)) \wedge (r1\_tarski\ (k10\_xtuple\_0\ (u2\_e\_siec\ X0))\ (u1\_struct\_0\ X0))))$$