t25_e_siec (TMb3k9cuoZ8z9kD9utcjx7fXQWpp7atKCbb)

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

$$k2\_relat\_1\ k1\_xboole\_0 = k1\_xboole\_0 \tag{1}$$

Assume the following.

$$\forall X0.(v1\_relat\_1\ X0) \Rightarrow (\forall X1.(v1\_relat\_1\ X1) \Rightarrow (k2\_relat\_1\ (k3\_relat\_1\ X0\ X1) = k3\_relat\_1\ (k2\_relat\_1\ X1)\ (k2\_relat\_1\ X0))) \tag{2}$$

Assume the following.

$$\forall X0.((v2\_e\_siec\ X0) \wedge ((v3\_e\_siec\ X0) \wedge (l1\_e\_siec\ X0))) \Rightarrow ((k3\_relat\_1\ (k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\ (k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))) = k1\_xboole\_0) \wedge ((k3\_relat\_1\ (k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\ (k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))) = k1\_xboole\_0) \wedge ((k3\_relat\_1\ (k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\ (k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))) = k1\_xboole\_0) \wedge (k3\_relat\_1\ (k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\ (k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))) = k1\_xboole\_0)))) \tag{3}$$

Assume the following.

$$\forall X0.\forall X1.(v1\_relat\_1\ X0) \Rightarrow (v1\_relat\_1\ (k4\_xboole\_0\ X0\ X1)) \tag{4}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow (v1\_relat\_1\ (u2\_e\_siec\ X0)) \tag{5}$$

Assume the following.

$$\forall X0.(l1\_e\_siec\ X0) \Rightarrow (v1\_relat\_1\ (u1\_e\_siec\ X0)) \tag{6}$$

Theorem 1

$$\forall X0.((v2\_e\_siec\ X0)\wedge((v3\_e\_siec\ X0)\wedge(l1\_e\_siec\ X0)))\Rightarrow ((k3\_relat\_1\ (k2\_relat\_1\ (k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0))))\ (k2\_relat\_1\ (k4\_xboole\_0\ (u2\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))) = k1\_xboole\_0)\wedge(k3\_relat\_1\ (k2\_relat\_1\ (k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))\ (k2\_relat\_1\ (k4\_xboole\_0\ (u1\_e\_siec\ X0)\ (k4\_relat\_1\ (u1\_struct\_0\ X0)))) = k1\_xboole\_0))$$