

# t6\_e\_siec (TMcdWvSwPRMeB- JyF15cBhneyAqLEmk5mc2d)

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

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

Assume the following.

$$\forall X0. v1\_relat\_1 (k4\_relat\_1 X0) \quad (2)$$

Assume the following.

$$\begin{aligned} & \forall X0. (v1\_e\_siec (k2\_e\_siec X0)) \wedge ((v2\_e\_siec (k2\_e\_siec \\ & X0)) \wedge ((v3\_e\_siec (k2\_e\_siec X0)) \wedge (l1\_e\_siec (k2\_e\_siec X0)))) \end{aligned} \quad (3)$$

Assume the following.

$$\forall X0. k2\_e\_siec X0 = g1\_e\_siec X0 (k4\_relat\_1 X0) (k4\_relat\_1 X0) \quad (4)$$

Assume the following.

$$\begin{aligned} & \forall X0. (l1\_e\_siec X0) \Rightarrow ((v1\_e\_siec X0) \Rightarrow (X0 = g1\_e\_siec (u1\_struct\_0 \\ & X0) (u1\_e\_siec X0) (u2\_e\_siec X0))) \end{aligned} \quad (5)$$

## Theorem 1

$$\begin{aligned} & \forall X0. (u1\_struct\_0 (k2\_e\_siec X0) = X0) \wedge ((u1\_e\_siec (k2\_e\_siec \\ & X0) = k4\_relat\_1 X0) \wedge (u2\_e\_siec (k2\_e\_siec X0) = k4\_relat\_1 X0)) \end{aligned}$$