

# t33\_e\_siec (TMNYXxVfr- sWj3bhnpEVb6RJ3MGENAUAQKax)

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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  $k2\_relat\_1 : \iota \Rightarrow \iota$  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  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k7\_e\_siec : \iota \Rightarrow \iota$  be given. Let  $k8\_e\_siec : \iota \Rightarrow \iota$  be given. Let  $u2\_e\_siec : \iota \Rightarrow \iota$  be given. Let  $v1\_relat\_1 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. (v1\_relat\_1 X2) \Rightarrow ((r1\_tarski X2 (k2\_zfmisc\_1 X0 X1)) \Rightarrow (r1\_tarski (k2\_relat\_1 X2) (k2\_zfmisc\_1 X1 X0))) \quad (1)$$

Assume the following.

$$\forall X0. ((v2\_e\_siec X0) \wedge ((v3\_e\_siec X0) \wedge (l1\_e\_siec X0))) \Rightarrow ((r1\_tarski (k4\_xboole\_0 (u1\_e\_siec X0) (k4\_relat\_1 (u1\_struct\_0 X0))) (k2\_zfmisc\_1 (k8\_e\_siec X0) (k7\_e\_siec X0))) \wedge (r1\_tarski (k4\_xboole\_0 (u2\_e\_siec X0) (k4\_relat\_1 (u1\_struct\_0 X0))) (k2\_zfmisc\_1 (k8\_e\_siec X0) (k7\_e\_siec X0)))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. (v1\_relat\_1 X0) \Rightarrow (v1\_relat\_1 (k4\_xboole\_0 X0 X1)) \quad (3)$$

Assume the following.

$$\forall X0. (l1\_e\_siec X0) \Rightarrow (v1\_relat\_1 (u2\_e\_siec X0)) \quad (4)$$

Assume the following.

$$\forall X0. (l1\_e\_siec X0) \Rightarrow (v1\_relat\_1 (u1\_e\_siec X0)) \quad (5)$$

## Theorem 1

$$\forall X0. ((v2\_e\_siec X0) \wedge ((v3\_e\_siec X0) \wedge (l1\_e\_siec X0))) \Rightarrow ((r1\_tarski (k2\_relat\_1 (k4\_xboole\_0 (u1\_e\_siec X0) (k4\_relat\_1 (u1\_struct\_0 X0)))) (k2\_zfmisc\_1 (k7\_e\_siec X0) (k8\_e\_siec X0))) \wedge (r1\_tarski (k2\_relat\_1 (k4\_xboole\_0 (u2\_e\_siec X0) (k4\_relat\_1 (u1\_struct\_0 X0)))) (k2\_zfmisc\_1 (k7\_e\_siec X0) (k8\_e\_siec X0))))$$