

t3_ff_siec
(TMJofnb1rEC1qw1mVfuzM6vBJWBVXq4VpLo)

October 27, 2020

Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k3_ff_siec : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ be given. Let $u4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_net_1 : \iota \Rightarrow \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_ff_siec : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (\neg(\neg r1_xboole_0 X0 X1) \wedge (\forall X2. \neg(X2 \in X0) \wedge (X2 \in X1))) \wedge (\neg(\exists X2. (X2 \in X0) \wedge (X2 \in X1))) \wedge (r1_xboole_0 X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. (r1_xboole_0 X0 X1) \Rightarrow ((u1_struct_0 (k1_ff_siec X0 X1) = X0) \wedge ((u4_struct_0 (k1_ff_siec X0 X1) = X1) \wedge (k1_net_1 (k1_ff_siec X0 X1) = k1_xboole_0))) \quad (2)$$

Assume the following.

$$v1_xboole_0 k1_xboole_0 \quad (3)$$

Assume the following.

$$\forall X0. k3_ff_siec X0 = k1_ff_siec k1_xboole_0 X0 \quad (4)$$

Assume the following.

$$\forall X0. (v1_xboole_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (5)$$

Theorem 1

$$\forall X0. (u1_struct_0 (k3_ff_siec X0) = k1_xboole_0) \wedge ((u4_struct_0 (k3_ff_siec X0) = X0) \wedge (k1_net_1 (k3_ff_siec X0) = k1_xboole_0))$$