

t2_ff_siec (TMHRD-
WdhM4jibGEkCNEWmoB73jB89X31Chy)

October 27, 2020

Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_ff_siec : \iota \Rightarrow \iota$ be given. Let $u4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k1_xboole_0 : \iota$ 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. Assume the following.

$$\forall X0. r1_xboole_0 X0 k1_xboole_0 \tag{1}$$

Assume the following.

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

Assume the following.

$$\forall X0. k2_ff_siec X0 = k1_ff_siec X0 k1_xboole_0 \tag{3}$$

Theorem 1

$$\forall X0. (u1_struct_0 (k2_ff_siec X0) = X0) \wedge ((u4_struct_0 (k2_ff_siec X0) = k1_xboole_0) \wedge (k1_net_1 (k2_ff_siec X0) = k1_xboole_0))$$