

t14_ff_siec

(TMK6wmZ3dFEL8JwBCcivwQVcFEUBniuVyUb)

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Let $v1_net_1 : \iota \Rightarrow o$ be given. Let $l1_petri : \iota \Rightarrow o$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k5_relat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_relat_1 : \iota \Rightarrow \iota$ be given. Let $k1_net_1 : \iota \Rightarrow \iota$ be given. Let $u4_struct_0 : \iota \Rightarrow \iota$ be given. Let $k4_relat_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_net_1 : \iota \Rightarrow \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_xboole_0 X0 X1) \Leftrightarrow (k4_xboole_0 X0 X1 = X0) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. r1_tarski X0 (k2_xboole_0 X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. k4_xboole_0 (k2_xboole_0 X0 X1) X2 = k2_xboole_0 (k4_xboole_0 X0 X2) (k4_xboole_0 X1 X2) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (k4_xboole_0 X0 X1 = k1_xboole_0) \Leftrightarrow (r1_tarski X0 X1) \quad (4)$$

Assume the following.

$$\forall X0. k2_xboole_0 X0 k1_xboole_0 = X0 \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Rightarrow (r1_tarski (k4_relat_1 X0) (k4_relat_1 X1)) \quad (6)$$

Assume the following.

$$\begin{aligned} \forall X0. ((v1_net_1 X0) \wedge (l1_petri X0)) \Rightarrow & ((r1_xboole_0 (k5_relat_1 \\ & (k2_relat_1 (k1_net_1 X0)) (u4_struct_0 X0)) (k4_relat_1 (k2_net_1 \\ & X0))) \wedge ((r1_xboole_0 (k5_relat_1 (k1_net_1 X0) (u4_struct_0 X0)) \\ & (k4_relat_1 (k2_net_1 X0))) \wedge ((r1_xboole_0 (k5_relat_1 (k2_relat_1 \\ & (k1_net_1 X0)) (u1_struct_0 X0)) (k4_relat_1 (k2_net_1 X0))) \wedge \\ & (r1_xboole_0 (k5_relat_1 (k1_net_1 X0) (u1_struct_0 X0)) (k4_relat_1 \\ & (k2_net_1 X0)))))) \end{aligned} \quad (7)$$

