

t11_net_1

(TMc1X5LBtN2v2XbAEKvojFFoKmgBQFgME3B)

October 27, 2020

Let $v1_net_1 : \iota \Rightarrow o$ be given. Let $l1_petri : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_net_1 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_net_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_net_1 : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(l1_petri X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (k2_net_1 \\ X0) \Rightarrow (\forall X2.(X2 = k4_net_1 X0 X1) \Leftrightarrow (\forall X3.(X3 \in X2) \Leftrightarrow (\\ X3 \in k2_net_1 X0) \wedge (k4_tarski X1 X3 \in k1_net_1 X0)))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (2)$$

Theorem 1

$$\forall X0.((v1_net_1 X0) \wedge (l1_petri X0)) \Rightarrow (\forall X1.(m1_subset_1 X1 (k2_net_1 X0) \Rightarrow (r1_tarski (k4_net_1 X0 X1) (k2_net_1 X0))))$$