

t15\_net\_1

(TMKedusGZxnqi1oEhPXtPVnrhFGk5iEUrEw)

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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  $k1\_xboole\_0 : \iota$  be given. Let  $k5\_net\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k3\_net\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $u4\_struct\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} \forall X0.((v1\_net\_1 X0) \wedge (l1\_petri X0)) \Rightarrow (\forall X1.(m1\_subset\_1 \\ X1 (k2\_net\_1 X0)) \Rightarrow ((k2\_net\_1 X0 \neq k1\_xboole\_0) \Rightarrow (\forall X2.(X2 = \\ k5\_net\_1 X0 X1) \Leftrightarrow (((X1 \in u1\_struct\_0 X0) \Rightarrow (X2 = k1\_tarski X1)) \wedge (( \\ X1 \in u4\_struct\_0 X0) \Rightarrow (X2 = k3\_net\_1 X0 X1)))))) \end{aligned} \quad (1)$$

**Theorem 1**

$$\begin{aligned} \forall X0.((v1\_net\_1 X0) \wedge (l1\_petri X0)) \Rightarrow (\forall X1.(m1\_subset\_1 \\ X1 (k2\_net\_1 X0)) \Rightarrow (\neg(k2\_net\_1 X0 \neq k1\_xboole\_0) \wedge ((k5\_net\_1 X0 \\ X1 \neq k1\_tarski X1) \wedge (k5\_net\_1 X0 X1 \neq k3\_net\_1 X0 X1)))) \end{aligned}$$