t18_ff_siec (TMZbk3CPaHY8bCRNQdyvdq3mmBUj126MZ6a)

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Let $v1\_net\_1 : \iota \Rightarrow o$ be given. Let $l1\_petri : \iota \Rightarrow o$ be given. Let $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k9\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $k8\_ff\_siec : \iota \Rightarrow \iota$ be given. Let $k2\_net\_1 : \iota \Rightarrow \iota$ be given. Let $k10\_xtuple\_0 : \iota \Rightarrow \iota$ be given. Let $k7\_ff\_siec : \iota \Rightarrow \iota$ be given. Let $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.((v1\_net\_1\ X0) \wedge (l1\_petri\ X0)) \Rightarrow ((r1\_tarski\ (k8\_ff\_siec\ X0)\ (k2\_zfmisc\_1\ (k2\_net\_1\ X0)\ (k2\_net\_1\ X0))) \wedge (r1\_tarski\ (k7\_ff\_siec\ X0)\ (k2\_zfmisc\_1\ (k2\_net\_1\ X0)\ (k2\_net\_1\ X0)))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski\ X0\ (k2\_zfmisc\_1\ X1\ X2)) \Rightarrow ((r1\_tarski\ (k9\_xtuple\_0\ X0)\ X1) \wedge (r1\_tarski\ (k10\_xtuple\_0\ X0)\ X2)) \tag{2}$$

Theorem 1

$$\forall X0.((v1\_net\_1\ X0) \wedge (l1\_petri\ X0)) \Rightarrow ((r1\_tarski\ (k9\_xtuple\_0\ (k8\_ff\_siec\ X0))\ (k2\_net\_1\ X0)) \wedge ((r1\_tarski\ (k10\_xtuple\_0\ (k8\_ff\_siec\ X0))\ (k2\_net\_1\ X0)) \wedge ((r1\_tarski\ (k9\_xtuple\_0\ (k7\_ff\_siec\ X0))\ (k2\_net\_1\ X0)) \wedge (r1\_tarski\ (k10\_xtuple\_0\ (k7\_ff\_siec\ X0))\ (k2\_net\_1\ X0)))))$$