

t65_pnproc_1
(TME mXYcsUS33qjGFLHz8XeLysRzxXsdA53b)

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Let $m2_pnproc.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset.1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc.1 : \iota \Rightarrow \iota$ be given. Let $k3_finseq.2 : \iota \Rightarrow \iota$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k10_pnproc.1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m2_finseq.2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_pre_poly : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (r1_tarski X0 X1) \Leftrightarrow (\forall X2. (X2 \in X0) \Rightarrow (X2 \in X1)) \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. (m2_pnproc.1 X1 X0) \Rightarrow (\forall X2. (m1_subset.1 \\ & X2 (k1_zfmisc.1 (k3_finseq.2 X1))) \Rightarrow (\forall X3. (m1_subset.1 \\ & X3 (k1_zfmisc.1 (k3_finseq.2 X1))) \Rightarrow (k10_pnproc.1 X0 X1 X2 X3 = ReplSep2 \\ & (toset (\lambda X4 : \iota. m2_finseq.2 X4 X1 (k3_finseq.2 X1))) (\lambda X4 : \\ & \iota. toset (\lambda X5 : \iota. m2_finseq.2 X5 X1 (k3_finseq.2 X1))) (\lambda X4 : \\ & \iota. \lambda X5 : \iota. (X4 \in X2) \wedge (X5 \in X3)) (\lambda X4 : \iota. \lambda X5 : \iota. k1_pre_poly \\ & X1 X4 X5)))))) \quad (2) \end{aligned}$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m2_pnproc.1 X1 X0) \Rightarrow (\forall X2. (m1_subset.1 \\ & X2 (k1_zfmisc.1 (k3_finseq.2 X1))) \Rightarrow (\forall X3. (m1_subset.1 \\ & X3 (k1_zfmisc.1 (k3_finseq.2 X1))) \Rightarrow (\forall X4. (m1_subset.1 \\ & X4 (k1_zfmisc.1 (k3_finseq.2 X1))) \Rightarrow (\forall X5. (m1_subset.1 \\ & X5 (k1_zfmisc.1 (k3_finseq.2 X1))) \Rightarrow (((r1_tarski X2 X3) \wedge (r1_tarski \\ & X4 X5)) \Rightarrow (r1_tarski (k10_pnproc.1 X0 X1 X2 X4) (k10_pnproc.1 X0 X1 \\ & X3 X5))))))))) \end{aligned}$$