

t66_pnproc_1 (TMRn- NYV1sDDvzP5DGqAHhoNopW8psQ1jNYJ)

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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 $k11_pnproc_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $m2_finseq_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v2_finseq_1 : \iota \Rightarrow o$ be given. Let $k2_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $r1_xboole_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k15_finseq_1 : \iota \Rightarrow \iota$ 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.

$$\begin{aligned} & \forall X0. \forall X1. (m2_pnproc_1 X1 X0) \Rightarrow (\forall X2. (m1_subset_1 \\ & X2 (k1_zfmisc_1 (k3_finseq_2 X1))) \Rightarrow (\forall X3. (m1_subset_1 \\ & X3 (k1_zfmisc_1 (k3_finseq_2 X1))) \Rightarrow (k11_pnproc_1 X0 X1 X2 X3 = ReplSep \\ & (toset (\lambda X4 : \iota. m2_finseq_2 X4 X1 (k3_finseq_2 X1))) (\lambda X4 : \\ & \iota. \exists X5. ((v1_relat_1 X5) \wedge ((v1_funct_1 X5) \wedge (v2_finseq_1 \\ & X5)))) \wedge (\exists X6. ((v1_relat_1 X6) \wedge ((v1_funct_1 X6) \wedge (v2_finseq_1 \\ & X6)))) \wedge ((X4 = k2_xboole_0 X5 X6) \wedge ((r1_xboole_0 X5 X6) \wedge ((k15_finseq_1 \\ & X5 \in X2) \wedge (k15_finseq_1 X6 \in X3)))))) (\lambda X4 : \iota. X4))) \end{aligned} \quad (2)$$

Theorem 1

$$\begin{aligned} & \forall X0. \forall X1. (m2_pnproc_1 X1 X0) \Rightarrow (\forall X2. (m1_subset_1 \\ & X2 (k1_zfmisc_1 (k3_finseq_2 X1))) \Rightarrow (\forall X3. (m1_subset_1 \\ & X3 (k1_zfmisc_1 (k3_finseq_2 X1))) \Rightarrow (\forall X4. (m1_subset_1 \\ & X4 (k1_zfmisc_1 (k3_finseq_2 X1))) \Rightarrow (\forall X5. (m1_subset_1 \\ & X5 (k1_zfmisc_1 (k3_finseq_2 X1))) \Rightarrow (((r1_tarski X2 X3) \wedge (r1_tarski \\ & X4 X5)) \Rightarrow (r1_tarski (k11_pnproc_1 X0 X1 X2 X4) (k11_pnproc_1 X0 X1 \\ & X3 X5)))))) \end{aligned}$$