

t32_random_1 (TMKTUMeAspikoSamrKgAVAp- wAJuRmP8qQtw)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_finset_1 : \iota \Rightarrow o$ be given. Let $m2_prob_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_random_1 : \iota \Rightarrow \iota$ be given. Let $m1_random_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k5_card_1 : \iota \Rightarrow \iota$ be given. Let $v2_funct_1 : \iota \Rightarrow o$ be given. Let $k2_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $k4_finseq_1 : \iota \Rightarrow \iota$ be given. Let $k1_seq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k8_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_funct_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_tarski : \iota \Rightarrow \iota$ be given. Let $k8_random_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k18_rsum_1 : \iota \Rightarrow \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $v1_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_mesfunc6 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_prob_4 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_prob_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v4_prob_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned}
 & \forall X0.((\neg v1_xboole_0 X0) \wedge (v1_finset_1 X0)) \Rightarrow (\forall X1. \\
 & (m2_prob_1 X1 X0 (k1_random_1 X0)) \Rightarrow (\forall X2.(m1_random_1 X2 \\
 & X0 (k1_random_1 X0)) \Rightarrow (\forall X3.(m2_finseq_1 X3 k1_numbers) \Rightarrow \\
 & (\forall X4.(m2_finseq_1 X4 X0) \Rightarrow (((k3_finseq_1 X3 = k5_card_1 \\
 & X0) \wedge ((v2_funct_1 X4) \wedge ((k2_relset_1 X0 X4 = X0) \wedge ((k3_finseq_1 \\
 & X4 = k5_card_1 X0) \wedge (\forall X5.(v7_ordinal1 X5) \Rightarrow ((X5 \in k4_finseq_1 \\
 & X3) \Rightarrow (k1_seq_1 X3 X5 = k8_real_1 (k1_seq_1 X2 (k1_funct_1 X4 X5)) \\
 & (k1_seq_1 X1 (k1_tarski (k1_funct_1 X4 X5)))))))))) \Rightarrow (k8_random_1 \\
 & X0 (k1_random_1 X0) X1 X2 = k18_rsum_1 X3))))))
 \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v1_xboole_0 X0) \wedge (v1_finset_1 X0)) \Rightarrow (\forall X1. \\
& (m2_prob_1 X1 X0 (k1_random_1 X0)) \Rightarrow (\forall X2.((v1_funct_1 X2) \wedge \\
& ((v1_funct_2 X2 X0 k1_numbers) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (\\
& k2_zfmisc_1 X0 k1_numbers)))))) \Rightarrow (\exists X3.(m2_finseq_1 X3 k1_numbers) \wedge \\
& (\exists X4.(m2_finseq_1 X4 X0) \wedge ((k3_finseq_1 X3 = k5_card_1 X0) \wedge \\
& ((v2_funct_1 X4) \wedge ((k2_relset_1 X0 X4 = X0) \wedge ((k3_finseq_1 X4 = k5_card_1 \\
& X0) \wedge ((\forall X5.(v7_ordinal1 X5) \Rightarrow ((X5 \in k4_finseq_1 X3) \Rightarrow (k1_seq_1 \\
& X3 X5 = k8_real_1 (k1_seq_1 X2 (k1_funct_1 X4 X5)) (k1_seq_1 X1 (k1_tarSKI \\
& (k1_funct_1 X4 X5)))))) \wedge (k1_mesfunc6 X0 (k1_random_1 X0) (k2_prob_4 \\
& X0 (k1_random_1 X0) X1) X2 = k18_rvsum_1 X3))))))))))
\end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned}
& \forall X0. \forall X1. ((\neg v1_xboole_0 X0) \wedge ((\neg v1_xboole_0 X1) \wedge \\
& ((v1_prob_1 X1 X0) \wedge ((v4_prob_1 X1 X0) \wedge (m1_subset_1 X1 (k1_zfmisc_1 \\
& (k1_zfmisc_1 X0)))))) \Rightarrow (\forall X2.(m1_random_1 X2 X0 X1) \Rightarrow ((\\
& v1_funct_1 X2) \wedge ((v1_funct_2 X2 X0 k1_numbers) \wedge (m1_subset_1 X2 \\
& (k1_zfmisc_1 (k2_zfmisc_1 X0 k1_numbers))))))
\end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned}
& \forall X0. (\neg v1_xboole_0 X0) \Rightarrow ((\neg v1_xboole_0 (k1_random_1 X0)) \wedge \\
& ((v1_prob_1 (k1_random_1 X0) X0) \wedge ((v4_prob_1 (k1_random_1 X0) \\
& X0) \wedge (m1_subset_1 (k1_random_1 X0) (k1_zfmisc_1 (k1_zfmisc_1 \\
& X0))))))
\end{aligned} \tag{4}$$

Theorem 1

$$\begin{aligned}
& \forall X0. ((\neg v1_xboole_0 X0) \wedge (v1_finset_1 X0)) \Rightarrow (\forall X1. \\
& (m2_prob_1 X1 X0 (k1_random_1 X0)) \Rightarrow (\forall X2.(m1_random_1 X2 \\
& X0 (k1_random_1 X0)) \Rightarrow (\exists X3.(m2_finseq_1 X3 k1_numbers) \wedge \\
& (\exists X4.(m2_finseq_1 X4 X0) \wedge ((k3_finseq_1 X3 = k5_card_1 X0) \wedge \\
& ((v2_funct_1 X4) \wedge ((k2_relset_1 X0 X4 = X0) \wedge ((k3_finseq_1 X4 = k5_card_1 \\
& X0) \wedge ((\forall X5.(v7_ordinal1 X5) \Rightarrow ((X5 \in k4_finseq_1 X3) \Rightarrow (k1_seq_1 \\
& X3 X5 = k8_real_1 (k1_seq_1 X2 (k1_funct_1 X4 X5)) (k1_seq_1 X1 (k1_tarSKI \\
& (k1_funct_1 X4 X5)))))) \wedge (k8_random_1 X0 (k1_random_1 X0) X1 X2 = \\
& k18_rvsum_1 X3))))))))))
\end{aligned}$$