

t10_robbins4
(TMX7W2jnYp9eRK1FEiFiD29adnpajv7vgoi)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_robbins4 : \iota$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $np_3 : \iota$ be given. Let $k4_enumset1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $np_1 : \iota$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k14_lattice3 : \iota \Rightarrow \iota$ be given. Let $k1_robbins4 : \iota$ be given. Assume the following.

$$u1_struct_0 \ k2_robbins4 = k4_enumset1 \ k6_numbers \ np_1 \ (k6_subset_1 \ np_3 \ np_1) \ np_2 \ (k6_subset_1 \ np_3 \ np_2) \ np_3 \quad (1)$$

Assume the following.

$$\forall X0.(X0 \in u1_struct_0 \ (k14_lattice3 \ k1_robbins4)) \Rightarrow (r1_tarski \ X0 \ np_3) \quad (2)$$

Assume the following.

$$u1_struct_0 \ (k14_lattice3 \ k1_robbins4) = k4_enumset1 \ k6_numbers \ np_1 \ (k6_subset_1 \ np_3 \ np_1) \ np_2 \ (k6_subset_1 \ np_3 \ np_2) \ np_3 \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(r1_tarski \ X0 \ X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \quad (4)$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k1_zfmisc_1 \ X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow (r1_tarski \ X2 \ X0)) \quad (5)$$

Theorem 1 $r1_tarski \ (u1_struct_0 \ k2_robbins4) \ (k1_zfmisc_1 \ np_3)$.