

t40_trees_2 (TMQn-
nejCR7Vde6GdBHev4JAaMeL5cRAsAFx)

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Let $v6_ordinal1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k4_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_tarSKI : \iota \Rightarrow \iota$ be given. Let $r1_tarSKI : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (\forall X2. (X2 \in X0) \Rightarrow (r1_tarSKI X2 X1)) \Rightarrow (r1_tarSKI (k3_tarSKI X0) X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((X0 \in X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 X2))) \Rightarrow (m1_subset_1 X0 X2) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (m1_subset_1 X2 (k4_partfun1 X0 X1)) \Rightarrow ((v1_funct_1 X2) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. ((v1_funct_1 X2) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))) \Rightarrow (X2 \in k4_partfun1 X0 X1) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarSKI X0 X1) \quad (5)$$

Assume the following.

$$\forall X0. ((\forall X1. (X1 \in X0) \Rightarrow ((v1_relat_1 X1) \wedge (v1_funct_1 X1))) \wedge (v6_ordinal1 X0)) \Rightarrow ((v1_relat_1 (k3_tarSKI X0)) \wedge (v1_funct_1 (k3_tarSKI X0))) \quad (6)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.(m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1)))\Rightarrow(v1_relat_1 X2) \quad (7)$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.((v6_ordinal1 X2)\wedge(m1_subset_1 X2 (k1_zfmisc_1 (k4_partfun1 X0 X1))))\Rightarrow(k3_tarski X2 \in k4_partfun1 X0 X1)$$