

t11_toler_1 (TMRRDyS- fiC2S2ADgpRhSuyDd7uvkXGZCLPy)

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Let $v1_relat_2 : \iota \Rightarrow o$ be given. Let $v3_relat_2 : \iota \Rightarrow o$ be given. Let $v1_partfun1 : \iota \Rightarrow \iota \Rightarrow o$ 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 $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_toler_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_toler_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k2_wellord1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1_relat_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarski X0 X1) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. \forall X3. (m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 X0 X1))) \Rightarrow ((v3_relat_2 X3) \Rightarrow (v3_relat_2 (k1_toler_1 X3 X2))) \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (((v1_relat_2 X1) \wedge ((v3_relat_2 X1) \wedge ((v1_partfun1 X1 X0) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 X0 X0)))))) \wedge (m1_subset_1 X2 (k1_zfmisc_1 X0))) \Rightarrow (k2_toler_1 X0 X1 X2 = k2_wellord1 X1 X2) \quad (3)$$

Assume the following.

$$\forall X0. \forall X1. (v1_relat_1 X0) \Rightarrow (k1_toler_1 X0 X1 = k2_wellord1 X0 X1) \quad (4)$$

Assume the following.

$$\forall X0. \forall X1. \forall X2. (((v1_relat_2 X1) \wedge ((v3_relat_2 X1) \wedge ((v1_partfun1 X1 X0) \wedge (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 X0 X0)))))) \wedge (m1_subset_1 X2 (k1_zfmisc_1 X0))) \Rightarrow ((v1_relat_2 (k2_toler_1 X0 X1 X2)) \wedge ((v3_relat_2 (k2_toler_1 X0 X1 X2)) \wedge ((v1_partfun1 (k2_toler_1 X0 X1 X2) X2) \wedge (m1_subset_1 (k2_toler_1 X0 X1 X2) (k1_zfmisc_1 (k2_zfmisc_1 X2 X2)))))) \quad (5)$$

Assume the following.

$$\forall X0.\forall X1.(v1_relat_1 X0)\Rightarrow(m1_subset_1 (k1_toler_1 X0 X1) (k1_zfmisc_1 (k2_zfmisc_1 X1 X1))) \quad (6)$$

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

$$\begin{aligned} & \forall X0.\forall X1.\forall X2.((v1_relat_2 X2)\wedge((v3_relat_2 \\ & X2)\wedge((v1_partfun1 X2 X1)\wedge(m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 \\ & X1 X1))))))\Rightarrow((r1_tarski X0 X1)\Rightarrow((v1_relat_2 (k1_toler_1 X2 X0))\wedge \\ & ((v3_relat_2 (k1_toler_1 X2 X0))\wedge((v1_partfun1 (k1_toler_1 X2 \\ & X0) X0)\wedge(m1_subset_1 (k1_toler_1 X2 X0) (k1_zfmisc_1 (k2_zfmisc_1 \\ & X0 X0))))))) \end{aligned}$$