

t7_relset_1
(TML7ZofQ9TUjbxgyXXP8ogsMihawngpca8A)

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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. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.((r1_tarski X0 X1) \wedge (r1_tarski X2 X3)) \Rightarrow (r1_tarski (k2_zfmisc_1 X0 X2) (k2_zfmisc_1 X1 X3)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(m1_subset_1 X0 (k1_zfmisc_1 X1)) \Leftrightarrow (r1_tarski X0 X1) \quad (2)$$

Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.(m1_subset_1 X3 (k1_zfmisc_1 (k2_zfmisc_1 X1 X2))) \Rightarrow ((r1_tarski X0 X3) \Rightarrow (m1_subset_1 X0 (k1_zfmisc_1 (k2_zfmisc_1 X1 X2)))) \quad (3)$$

Theorem 1

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.(m1_subset_1 X4 (k1_zfmisc_1 (k2_zfmisc_1 X0 X2))) \Rightarrow (((r1_tarski X0 X1) \wedge (r1_tarski X2 X3)) \Rightarrow (m1_subset_1 X4 (k1_zfmisc_1 (k2_zfmisc_1 X1 X3))))$$