

t18_pre_poly
(TMSNhC4qNhmn9Mj6s3g25dY77sZNbKooqTL5)

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Let $v1_relat_1 : \iota \Rightarrow o$ be given. Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_relat_1 : \iota \Rightarrow \iota$ 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. Assume the following.

$$\forall X0.\forall X1.\forall X2.\forall X3.\forall X4.(m1_subset_1 X4 (k1_zfmisc_1 (k2_zfmisc_1 X0 X2))) \Rightarrow (((r1_tarski X0 X1) \wedge (r1_tarski X2 X3)) \Rightarrow (m1_subset_1 X4 (k1_zfmisc_1 (k2_zfmisc_1 X1 X3)))) \quad (1)$$

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.

$$\forall X0.(v1_relat_1 X0) \Rightarrow (r1_tarski X0 (k2_zfmisc_1 (k1_relat_1 X0) (k1_relat_1 X0))) \quad (3)$$

Theorem 1

$$\forall X0.\forall X1.(v1_relat_1 X1) \Rightarrow ((r1_tarski (k1_relat_1 X1) X0) \Rightarrow (m1_subset_1 X1 (k1_zfmisc_1 (k2_zfmisc_1 X0 X0))))$$