

t28_coh_sp (TMXrqSe-
FxZy2YQzTp6SBKLRpaUP7tLRVD8B)

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Let $k1_eqrel_1 : \iota \Rightarrow \iota$ be given. Let $k14_coh_sp : \iota \Rightarrow \iota$ be given. Let $v3_relat_2 : \iota \Rightarrow o$ be given. Let $v8_relat_2 : \iota \Rightarrow o$ 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 $v1_relat_2 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v3_relat_2 (k1_eqrel_1 X0)) \wedge ((v8_relat_2 (k1_eqrel_1 X0)) \wedge ((v1_partfun1 (k1_eqrel_1 X0) X0) \wedge (m1_subset_1 (k1_eqrel_1 X0) (k1_zfmisc_1 (k2_zfmisc_1 X0 X0)))))) \quad (1)$$

Assume the following.

$$\forall X0.(v1_relat_2 (k1_eqrel_1 X0)) \wedge (v1_partfun1 (k1_eqrel_1 X0) X0) \quad (2)$$

Assume the following.

$$\forall X0.k1_eqrel_1 X0 = k2_zfmisc_1 X0 X0 \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.(X1 = k14_coh_sp X0) \Leftrightarrow (\forall X2.(X2 \in X1) \Leftrightarrow ((v1_partfun1 X2 X0) \wedge ((v1_relat_2 X2) \wedge ((v3_relat_2 X2) \wedge (m1_subset_1 X2 (k1_zfmisc_1 (k2_zfmisc_1 X0 X0))))))) \quad (4)$$

Theorem 1 $\forall X0.k1_eqrel_1 X0 \in k14_coh_sp X0.$