

l29_coh_sp
(TMG2GdjrbtVAif5LFDnmSWFSfk6zyhWAb8R)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_coh_sp : \iota \Rightarrow \iota$ be given. Let $k2_xtuple_0 : \iota \Rightarrow \iota$ be given. Let $k6_coh_sp : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k7_coh_sp : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_tarski : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 X1 (k5_coh_sp X0)) \Rightarrow (X1 = k4_tarski (k4_tarski (k6_coh_sp X0 X1) (k7_coh_sp X0 X1)) (k2_xtuple_0 X1)) \quad (1)$$

Theorem 1

$$\forall X0. \forall X1. (m1_subset_1 X1 (k5_coh_sp X0)) \Rightarrow (\forall X2. (m1_subset_1 X2 (k5_coh_sp X0)) \Rightarrow (((k2_xtuple_0 X1 = k2_xtuple_0 X2) \wedge ((k6_coh_sp X0 X1 = k6_coh_sp X0 X2) \wedge (k7_coh_sp X0 X1 = k7_coh_sp X0 X2))) \Rightarrow (X1 = X2)))$$