

t16\_coh\_sp (TMNwRvX-  
aMfU5bYCCu9wrp32GgJnMLAP3h3M)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_coh\_sp : \iota \Rightarrow \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_tarski : \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0.\forall X1.\forall X2.(r1\_tarski (k2\_tarski X0 X1) X2) \Leftrightarrow ((X0 \in X2) \wedge (X1 \in X2)) \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (r1\_tarski X0 (k3\_tarski X1)) \quad (2)$$

**Theorem 1**

$$\forall X0.\forall X1.\forall X2.\forall X3.(m1\_subset\_1 X3 (k3\_coh\_sp X0) \Rightarrow ((k2\_tarski X1 X2 \in X3) \Rightarrow ((X1 \in k3\_tarski X3) \wedge (X2 \in k3\_tarski X3))))$$