

t15\_coh\_sp  
(TMcgNn7ZYpXr9Qp7oDrDbFcc5qCpJUc9nBy)

October 27, 2020

Let  $v1\_partfun1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $v1\_relat\_2 : \iota \Rightarrow o$  be given. Let  $v3\_relat\_2 : \iota \Rightarrow o$  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  $k2\_coh\_sp : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_toler\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $m1\_toler\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((v1\_partfun1 X2 X0) \wedge ((v1\_relat\_2 X2) \wedge ((v3\_relat\_2 X2) \wedge (m1\_subset\_1 X2 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow ((X1 \in k2\_coh\_sp X0 X2) \Leftrightarrow (m1\_toler\_1 X1 X0 X2)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1\_relat\_2 X1) \wedge ((v3\_relat\_2 X1) \wedge ((v1\_partfun1 X1 X0) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow ((\forall X2. (X2 = k3\_toler\_1 X0 X1) \Leftrightarrow (\forall X3. (X3 \in X2) \Leftrightarrow (m1\_toler\_1 X3 X0 X1))) \quad (2)$$

**Theorem 1**

$$\forall X0. \forall X1. ((v1\_partfun1 X1 X0) \wedge ((v1\_relat\_2 X1) \wedge ((v3\_relat\_2 X1) \wedge (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k2\_zfmisc\_1 X0 X0)))))) \Rightarrow (k2\_coh\_sp X0 X1 = k3\_toler\_1 X0 X1)$$