

t24\_yellow13

(TMR7K7hyNAEwSgnKTfE23niTPBjmu7nENUD)

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Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $m2\_yellow13 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k9\_setfam\_1 : \iota \Rightarrow \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_yellow13 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(l1\_pre\_topc X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (u1\_struct\_0 X0)) \Rightarrow (m1\_yellow13 (k9\_setfam\_1 (u1\_struct\_0 X0)) X0 X1)) \quad (1)$$

Assume the following.

$$\forall X0.k9\_setfam\_1 X0 = k1\_zfmisc\_1 X0 \quad (2)$$

Assume the following.

$$\forall X0.m1\_subset\_1 (k9\_setfam\_1 X0) (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0)) \quad (3)$$

Assume the following.

$$\forall X0.(l1\_pre\_topc X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (k1\_zfmisc\_1 (u1\_struct\_0 X0)))) \Rightarrow ((m2\_yellow13 X1 X0) \Leftrightarrow (\forall X2.(m1\_subset\_1 X2 (u1\_struct\_0 X0)) \Rightarrow (m1\_yellow13 X1 X0 X2)))) \quad (4)$$

**Theorem 1**

$$\forall X0.(l1\_pre\_topc X0) \Rightarrow (m2\_yellow13 (k9\_setfam\_1 (u1\_struct\_0 X0)) X0)$$