

t18\_yellow\_1  
(TMQp35NY3KGeDWYiqBtMcvTQhRbXkGNhVNX)

October 27, 2020

Let  $k3\_yellow\_0 : \iota \Rightarrow \iota$  be given. Let  $k3\_yellow\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k2\_yellow\_1 : \iota \Rightarrow \iota$  be given. Let  $k9\_setfam\_1 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. k3\_yellow\_1 X0 = k2\_yellow\_1 (k9\_setfam\_1 X0) \quad (1)$$

Assume the following.

$$\forall X0. m1\_subset\_1 k1\_xboole\_0 (k1\_zfmisc\_1 X0) \quad (2)$$

Assume the following.

$$\forall X0. (\neg v1\_xboole\_0 X0) \Rightarrow ((k1\_xboole\_0 \in X0) \Rightarrow (k3\_yellow\_0 (k2\_yellow\_1 X0) = k1\_xboole\_0)) \quad (3)$$

Assume the following.

$$\forall X0. k9\_setfam\_1 X0 = k1\_zfmisc\_1 X0 \quad (4)$$

Assume the following.

$$\forall X0. \neg v1\_xboole\_0 (k1\_zfmisc\_1 X0) \quad (5)$$

Assume the following.

$$\forall X0. (v1\_xboole\_0 X0) \Leftrightarrow (\forall X1. \neg X1 \in X0) \quad (6)$$

Assume the following.

$$\forall X0. \forall X1. ((\neg v1\_xboole\_0 X0) \Rightarrow ((m1\_subset\_1 X1 X0) \Leftrightarrow (X1 \in X0))) \wedge ((v1\_xboole\_0 X0) \Rightarrow ((m1\_subset\_1 X1 X0) \Leftrightarrow (v1\_xboole\_0 X1))) \quad (7)$$

**Theorem 1**  $\forall X0. k3\_yellow\_0 (k3\_yellow\_1 X0) = k1\_xboole\_0.$