

t31\_waybel\_6  
(TMWZ5he7RAMKRX5qZ1G7pYTKY3RFCEDaiHq)

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Let  $l1\_orders\_2 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $v1\_funct\_1 : \iota \Rightarrow o$  be given. Let  $k5\_funct\_3 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_funct\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k3\_yellow\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_tarski : \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k2\_zfmisc\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k2\_yellow\_1 : \iota \Rightarrow \iota$  be given. Let  $k9\_setfam\_1 : \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $k2\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_orders\_2 : \iota \Rightarrow \iota$  be given. Let  $k1\_yellow\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

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

Assume the following.

$$np\_1 = k1\_tarski k1\_xboole\_0 \quad (2)$$

Assume the following.

$$\forall X0. k1\_zfmisc\_1 (k1\_tarski X0) = k2\_tarski k1\_xboole\_0 (k1\_tarski X0) \quad (3)$$

Assume the following.

$$\forall X0. (u1\_struct\_0 (k2\_yellow\_1 X0) = X0) \wedge (u1\_orders\_2 (k2\_yellow\_1 X0) = k1\_yellow\_1 X0) \quad (4)$$

Assume the following.

$$\forall X0. k9\_setfam\_1 X0 = k1\_zfmisc\_1 X0 \quad (5)$$

Assume the following.

$$\forall X0. \forall X1. (v1\_funct\_1 (k5\_funct\_3 X0 X1)) \wedge ((v1\_funct\_2 (k5\_funct\_3 X0 X1) X1 (k2\_tarski k1\_xboole\_0 np\_1)) \wedge (m1\_subset\_1 (k5\_funct\_3 X0 X1) (k1\_zfmisc\_1 (k2\_zfmisc\_1 X1 (k2\_tarski k1\_xboole\_0 np\_1)))))) \quad (6)$$

**Theorem 1**

$$\begin{aligned} \forall X0.(l1\_orders\_2 X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 \\ (u1\_struct\_0 X0))) \Rightarrow ((v1\_funct\_1 (k5\_funct\_3 X1 (u1\_struct\_0 \\ X0))) \wedge ((v1\_funct\_2 (k5\_funct\_3 X1 (u1\_struct\_0 X0)) (u1\_struct\_0 \\ X0) (u1\_struct\_0 (k3\_yellow\_1 (k1\_tarski k1\_xboole\_0)))))) \wedge (m1\_subset\_1 \\ (k5\_funct\_3 X1 (u1\_struct\_0 X0)) (k1\_zfmisc\_1 (k2\_zfmisc\_1 (u1\_struct\_0 \\ X0) (u1\_struct\_0 (k3\_yellow\_1 (k1\_tarski k1\_xboole\_0)))))))))) \end{aligned}$$