

l15\_waybel25 (TM-  
MiVr2AsQGQ5DNLushCpTyWE92uEh9AHsP)

October 27, 2020

Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k1\_waybel25 : \iota \Rightarrow \iota$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $g1\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_pre\_topc : \iota \Rightarrow \iota$  be given. Let  $v1\_waybel\_9 : \iota \Rightarrow o$  be given. Let  $l1\_waybel\_9 : \iota \Rightarrow o$  be given. Let  $r1\_orders\_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_tarSKI : \iota \Rightarrow \iota$  be given. Let  $k2\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. (m1\_subset\_1 X1 (k1\_zfmisc\_1 (k1\_zfmisc\_1 X0))) \Rightarrow (\forall X2. \forall X3. (g1\_pre\_topc X0 X1 = g1\_pre\_topc X2 X3) \Rightarrow ((X0 = X2) \wedge (X1 = X3))) \quad (1)$$

Assume the following.

$$\forall X0. (l1\_pre\_topc X0) \Rightarrow (m1\_subset\_1 (u1\_pre\_topc X0) (k1\_zfmisc\_1 (k1\_zfmisc\_1 (u1\_struct\_0 X0)))) \quad (2)$$

Assume the following.

$$\forall X0. (l1\_pre\_topc X0) \Rightarrow ((v1\_waybel\_9 (k1\_waybel25 X0)) \wedge (l1\_waybel\_9 (k1\_waybel25 X0))) \quad (3)$$

Assume the following.

$$\forall X0. (l1\_pre\_topc X0) \Rightarrow (\forall X1. ((v1\_waybel\_9 X1) \wedge (l1\_waybel\_9 X1)) \Rightarrow ((X1 = k1\_waybel25 X0) \Leftrightarrow ((g1\_pre\_topc (u1\_struct\_0 X1) (u1\_pre\_topc X1) = g1\_pre\_topc (u1\_struct\_0 X0) (u1\_pre\_topc X0)) \wedge (\forall X2. (m1\_subset\_1 X2 (u1\_struct\_0 X1)) \Rightarrow (\forall X3. (m1\_subset\_1 X3 (u1\_struct\_0 X1)) \Rightarrow ((r1\_orders\_2 X1 X2 X3) \Leftrightarrow (\exists X4. (m1\_subset\_1 X4 (k1\_zfmisc\_1 (u1\_struct\_0 X0))) \wedge ((X4 = k1\_tarSKI X3) \wedge (X2 \in k2\_pre\_topc X0 X4)))))))))) \quad (4)$$

**Theorem 1**

$$\forall X0. (l1\_pre\_topc X0) \Rightarrow (u1\_struct\_0 X0 = u1\_struct\_0 (k1\_waybel25 X0))$$