

t20\_yellow19

(TMVooHFwktisVXLsLwaGSZ4hh9FEZxjJYgi)

October 27, 2020

Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v2\_pre\_topc : \iota \Rightarrow o$  be given. Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r2\_waybel\_7 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  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  $v3\_pre\_topc : \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0.((v2\_pre\_topc X0) \wedge (l1\_pre\_topc X0)) \Rightarrow (\forall X1. \\ & \forall X2.(r2\_waybel\_7 X0 X1 X2) \Leftrightarrow (\forall X3.(m1\_subset\_1 X3 \\ & (k1\_zfmisc\_1 (u1\_struct\_0 X0))) \Rightarrow ((v3\_pre\_topc X3 X0) \wedge (X2 \in X3)) \Rightarrow \\ & (X3 \in X1)))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0. \forall X1.(r1\_tarski X0 X1) \Leftrightarrow (\forall X2.(X2 \in X0) \Rightarrow (X2 \in X1)) \tag{2}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.((\neg v2\_struct\_0 X0) \wedge ((v2\_pre\_topc X0) \wedge (l1\_pre\_topc \\ & X0))) \Rightarrow (\forall X1. \forall X2. \forall X3. ((r1\_tarski X1 X2) \wedge ( \\ & r2\_waybel\_7 X0 X1 X3)) \Rightarrow (r2\_waybel\_7 X0 X2 X3)) \end{aligned}$$