

# t45\_yellow\_9 (TMSWUbCBLVCZd- fVkvf8HVhVZr7BPyp5VCFE)

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Let  $l1\_waybel\_9 : \iota \Rightarrow o$  be given. Let  $m1\_yellow\_9 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $l1\_orders\_2 : \iota \Rightarrow o$  be given. Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $g1\_orders\_2 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $u1\_orders\_2 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(l1\_orders\_2 X0) \Rightarrow (\forall X1.(m1\_yellow\_9 X1 X0) \Rightarrow (l1\_waybel\_9 X1)) \quad (1)$$

Assume the following.

$$\forall X0.(l1\_waybel\_9 X0) \Rightarrow ((l1\_pre\_topc X0) \wedge (l1\_orders\_2 X0)) \quad (2)$$

Assume the following.

$$\forall X0.(l1\_orders\_2 X0) \Rightarrow (\forall X1.(l1\_waybel\_9 X1) \Rightarrow ((m1\_yellow\_9 X1 X0) \Leftrightarrow (g1\_orders\_2 (u1\_struct\_0 X1) (u1\_orders\_2 X1) = g1\_orders\_2 (u1\_struct\_0 X0) (u1\_orders\_2 X0)))) \quad (3)$$

## Theorem 1

$$\forall X0.(l1\_waybel\_9 X0) \Rightarrow (\forall X1.(m1\_yellow\_9 X1 X0) \Rightarrow (m1\_yellow\_9 X0 X1))$$