

# l27\_yellow13 (TMQEaJZtWGeThp- kUt3wNdExgEsynJnYAmUJ)

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Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $m1\_yellow13 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_tops\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_yellow13 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned}
 & \forall X0.(l1\_pre\_topc X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (u1\_struct\_0 \\
 & X0)) \Rightarrow (\forall X2.(m1\_yellow13 X2 X0 X1) \Rightarrow ((v1\_yellow13 X2 X0 X1) \Leftrightarrow \\
 & (\forall X3.(m1\_subset\_1 X3 (k1\_zfmisc\_1 (u1\_struct\_0 X0))) \Rightarrow \\
 & ((X3 \in X2) \Leftrightarrow (X1 \in k1\_tops\_1 X0 X3)))))) \quad (1)
 \end{aligned}$$

**Theorem 1**

$$\begin{aligned}
 & \forall X0.(l1\_pre\_topc X0) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (u1\_struct\_0 \\
 & X0)) \Rightarrow (\forall X2.(m1\_yellow13 X2 X0 X1) \Rightarrow ((X2 = ReplSep (toset ( \\
 & \lambda X3 : \iota.m1\_subset\_1 X3 (k1\_zfmisc\_1 (u1\_struct\_0 X0)))) ( \\
 & \lambda X3 : \iota.X1 \in k1\_tops\_1 X0 X3) (\lambda X3 : \iota.X3)) \Rightarrow (v1\_yellow13 \\
 & X2 X0 X1))))
 \end{aligned}$$