

t24\_parsp\_1  
(TMG55PtQgakA1biNmzjTJnH9oQeRjN3RQds)

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Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v2\_parasp\_1 : \iota \Rightarrow o$  be given. Let  $l1\_parasp\_1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $u1\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $r1\_parasp\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2\_struct\_0 X0) \wedge ((v2\_parasp\_1 X0) \wedge (l1\_parasp\_1 \\ & X0))) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (u1\_struct\_0 X0)) \Rightarrow (\forall X2. \\ & (m1\_subset\_1 X2 (u1\_struct\_0 X0)) \Rightarrow (\forall X3.(m1\_subset\_1 X3 \\ & (u1\_struct\_0 X0)) \Rightarrow (\forall X4.(m1\_subset\_1 X4 (u1\_struct\_0 X0)) \Rightarrow \\ & ((r1\_parasp\_1 X0 X1 X2 X3 X4) \Rightarrow ((r1\_parasp\_1 X0 X2 X1 X3 X4) \wedge ((r1\_parasp\_1 \\ & X0 X1 X2 X4 X3) \wedge ((r1\_parasp\_1 X0 X2 X1 X4 X3) \wedge ((r1\_parasp\_1 X0 X3 X4 X1 \\ & X2) \wedge ((r1\_parasp\_1 X0 X4 X3 X1 X2) \wedge ((r1\_parasp\_1 X0 X3 X4 X2 X1) \wedge (r1\_parasp\_1 \\ & X0 X4 X3 X2 X1)))))))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.((\neg v2\_struct\_0 X0) \wedge (l1\_parasp\_1 X0)) \Rightarrow ((v2\_parasp\_1 \\ & X0) \Leftrightarrow (\forall X1.(m1\_subset\_1 X1 (u1\_struct\_0 X0)) \Rightarrow (\forall X2. \\ & (m1\_subset\_1 X2 (u1\_struct\_0 X0)) \Rightarrow (\forall X3.(m1\_subset\_1 X3 \\ & (u1\_struct\_0 X0)) \Rightarrow (\forall X4.(m1\_subset\_1 X4 (u1\_struct\_0 X0)) \Rightarrow \\ & (\forall X5.(m1\_subset\_1 X5 (u1\_struct\_0 X0)) \Rightarrow (\forall X6.(m1\_subset\_1 \\ & X6 (u1\_struct\_0 X0)) \Rightarrow (\forall X7.(m1\_subset\_1 X7 (u1\_struct\_0 \\ & X0)) \Rightarrow (\forall X8.(m1\_subset\_1 X8 (u1\_struct\_0 X0)) \Rightarrow ((r1\_parasp\_1 \\ & X0 X1 X2 X2 X1) \wedge ((r1\_parasp\_1 X0 X1 X2 X3 X3) \wedge ((\neg (r1\_parasp\_1 X0 X1 X2 \\ & X5 X6) \wedge ((r1\_parasp\_1 X0 X1 X2 X7 X8) \wedge ((\neg (r1\_parasp\_1 X0 X5 X6 X7 X8) \wedge \\ & (X1 \neq X2)))))) \wedge (((r1\_parasp\_1 X0 X1 X2 X1 X3) \Rightarrow (r1\_parasp\_1 X0 X2 X1 X2 \\ & X3)) \wedge (\exists X9.(m1\_subset\_1 X9 (u1\_struct\_0 X0)) \wedge ((r1\_parasp\_1 \\ & X0 X1 X2 X3 X9) \wedge (r1\_parasp\_1 X0 X1 X3 X2 X9)))))))))) \end{aligned} \tag{2}$$

