

t36\_projpl\_1  
(TMSyNErYjsJNkSK2ti63uUEKK6Wo1P37d2z)

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Let  $v6\_incsp\_1 : \iota \Rightarrow o$  be given. Let  $v1\_incproj : \iota \Rightarrow o$  be given. Let  $v2\_incproj : \iota \Rightarrow o$  be given. Let  $v3\_incproj : \iota \Rightarrow o$  be given. Let  $v4\_incproj : \iota \Rightarrow o$  be given. Let  $v5\_incproj : \iota \Rightarrow o$  be given. Let  $l1\_incsp\_1 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $u1\_incsp\_1 : \iota \Rightarrow \iota$  be given. Let  $r1\_incsp\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_projpl\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned}
& \forall X0.((v6\_incsp\_1 X0) \wedge ((v1\_incproj X0) \wedge ((v2\_incproj X0) \wedge \\
& ((v3\_incproj X0) \wedge ((v4\_incproj X0) \wedge (l1\_incsp\_1 X0)))))) \Rightarrow (\forall X1. \\
& (m1\_subset\_1 X1 (u1\_incsp\_1 X0)) \Rightarrow (\forall X2.(m1\_subset\_1 X2 \\
& (u1\_incsp\_1 X0)) \Rightarrow (\forall X3.(m1\_subset\_1 X3 (u1\_incsp\_1 X0)) \Rightarrow \\
& ((r1\_incsp\_1 X0 X3 (k1\_projpl\_1 X0 X1 X2)) \Rightarrow ((X1 = X3) \vee (r1\_incsp\_1 \\
& X0 X2 (k1\_projpl\_1 X0 X1 X3))))))
\end{aligned} \tag{1}$$

**Theorem 1**

$$\begin{aligned}
& \forall X0.((v6\_incsp\_1 X0) \wedge ((v1\_incproj X0) \wedge ((v2\_incproj X0) \wedge \\
& ((v3\_incproj X0) \wedge ((v4\_incproj X0) \wedge ((v5\_incproj X0) \wedge (l1\_incsp\_1 \\
& X0)))))) \Rightarrow (\forall X1.(m1\_subset\_1 X1 (u1\_incsp\_1 X0)) \Rightarrow (\forall X2. \\
& (m1\_subset\_1 X2 (u1\_incsp\_1 X0)) \Rightarrow (\forall X3.(m1\_subset\_1 X3 \\
& (u1\_incsp\_1 X0)) \Rightarrow (\neg(r1\_incsp\_1 X0 X1 (k1\_projpl\_1 X0 X2 X3)) \wedge \\
& (X2 \neq X1) \wedge ((X2 \neq X3) \wedge (\neg r1\_incsp\_1 X0 X3 (k1\_projpl\_1 X0 X2 X1))))))
\end{aligned}$$