

# t33\_afproj (TM- RMNk3V9JB8QShcAg7jPZpjBviWhn6uZaw)

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Let  $v7\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v1\_diraf : \iota \Rightarrow o$  be given. Let  $l1\_analoaf : \iota \Rightarrow o$  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  $u1\_incsp\_1 : \iota \Rightarrow \iota$  be given. Let  $k13\_afproj : \iota \Rightarrow \iota$  be given. Let  $u2\_incsp\_1 : \iota \Rightarrow \iota$  be given. Let  $k4\_tarski : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k6\_afproj : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $v1\_aff\_4 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_incsp\_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned}
& \forall X0.((\neg v7\_struct\_0 X0) \wedge ((v1\_diraf X0) \wedge (l1\_analoaf X0))) \Rightarrow \\
& (\forall X1.(m1\_subset\_1 X1 (u1\_struct\_0 X0)) \Rightarrow (\forall X2.(m1\_subset\_1 \\
& \quad X2 (k1\_zfmisc\_1 (u1\_struct\_0 X0))) \Rightarrow (\forall X3.(m1\_subset\_1 \\
& \quad X3 (u1\_incsp\_1 (k13\_afproj X0))) \Rightarrow (\forall X4.(m1\_subset\_1 X4 \\
& \quad (u2\_incsp\_1 (k13\_afproj X0))) \Rightarrow (\neg(X1 = X3) \wedge ((k4\_tarski (k6\_afproj \\
& \quad X0 X2) np\_2 = X4) \wedge (r1\_incsp\_1 (k13\_afproj X0) X3 X4))))))))) \tag{1}
\end{aligned}$$

## Theorem 1

$$\begin{aligned}
& \forall X0.((\neg v7\_struct\_0 X0) \wedge ((v1\_diraf X0) \wedge (l1\_analoaf X0))) \Rightarrow \\
& (\forall X1.(m1\_subset\_1 X1 (k1\_zfmisc\_1 (u1\_struct\_0 X0))) \Rightarrow \\
& (\forall X2.(m1\_subset\_1 X2 (u1\_incsp\_1 (k13\_afproj X0))) \Rightarrow (\forall X3. \\
& \quad (m1\_subset\_1 X3 (u2\_incsp\_1 (k13\_afproj X0))) \Rightarrow (\neg(X3 = k4\_tarski \\
& \quad (k6\_afproj X0 X1) np\_2) \wedge ((v1\_aff\_4 X1 X0) \wedge ((r1\_incsp\_1 (k13\_afproj \\
& \quad X0) X2 X3) \wedge (m1\_subset\_1 X2 (u1\_struct\_0 X0))))))))))
\end{aligned}$$