

t64\_pscomp\_1  
(TMKH55kJ2RF5dEX8yJZh7YMPRE66GfKKGdf)

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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  $k15\_euclid : \iota \Rightarrow \iota$  be given. Let  $np\_2 : \iota$  be given. Let  $k25\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k18\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k10\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k17\_euclid : \iota \Rightarrow \iota$  be given. Let  $k18\_euclid : \iota \Rightarrow \iota$  be given. Let  $k24\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k13\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k19\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k11\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 (k15\_euclid np\_2))) \Rightarrow \\ & (\forall X1.(m1\_subset\_1 X1 (u1\_struct\_0 (k15\_euclid np\_2))) \Rightarrow \\ & (((k17\_euclid X0 = k17\_euclid X1) \wedge (k18\_euclid X0 = k18\_euclid X1)) \Rightarrow \\ & (X0 = X1))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid \\ & np\_2)))) \Rightarrow ((k18\_euclid (k10\_pscomp\_1 X0) = k18\_euclid (k25\_pscomp\_1 \\ & X0)) \wedge ((k18\_euclid (k10\_pscomp\_1 X0) = k18\_euclid (k24\_pscomp\_1 \\ & X0)) \wedge ((k18\_euclid (k25\_pscomp\_1 X0) = k18\_euclid (k24\_pscomp\_1 \\ & X0)) \wedge ((k18\_euclid (k25\_pscomp\_1 X0) = k18\_euclid (k13\_pscomp\_1 \\ & X0)) \wedge (k18\_euclid (k24\_pscomp\_1 X0) = k18\_euclid (k13\_pscomp\_1 \\ & X0)))))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid \\ & np\_2)))) \Rightarrow ((k17\_euclid (k10\_pscomp\_1 X0) = k17\_euclid (k18\_pscomp\_1 \\ & X0)) \wedge ((k17\_euclid (k10\_pscomp\_1 X0) = k17\_euclid (k19\_pscomp\_1 \\ & X0)) \wedge ((k17\_euclid (k18\_pscomp\_1 X0) = k17\_euclid (k19\_pscomp\_1 \\ & X0)) \wedge ((k17\_euclid (k18\_pscomp\_1 X0) = k17\_euclid (k11\_pscomp\_1 \\ & X0)) \wedge (k17\_euclid (k19\_pscomp\_1 X0) = k17\_euclid (k11\_pscomp\_1 \\ & X0)))))) \end{aligned} \tag{3}$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow (m1\_subset\_1 (k18\_pscomp\_1 X0) (u1\_struct\_0 (k15\_euclid np\_2))) \quad (4)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow (m1\_subset\_1 (k10\_pscomp\_1 X0) (u1\_struct\_0 (k15\_euclid np\_2))) \quad (5)$$

**Theorem 1**

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow ((k25\_pscomp\_1 X0 = k18\_pscomp\_1 X0) \Rightarrow (k25\_pscomp\_1 X0 = k10\_pscomp\_1 X0))$$