

t62\_pscomp\_1  
(TMGBzoxZFsjsk1Ss1bFiqEx57goXPJowdkd)

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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  $k21\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k22\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k12\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k19\_euclid : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k17\_euclid : \iota \Rightarrow \iota$  be given. Let  $k18\_euclid : \iota \Rightarrow \iota$  be given. Let  $k13\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k23\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k11\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Let  $k20\_pscomp\_1 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 (k15\_euclid np\_2))) \Rightarrow (X0 = k19\_euclid (k17\_euclid X0) (k18\_euclid X0)) \quad (1)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow ((k17\_euclid (k13\_pscomp\_1 X0) = k17\_euclid (k23\_pscomp\_1 X0)) \wedge ((k17\_euclid (k13\_pscomp\_1 X0) = k17\_euclid (k22\_pscomp\_1 X0)) \wedge ((k17\_euclid (k23\_pscomp\_1 X0) = k17\_euclid (k22\_pscomp\_1 X0)) \wedge ((k17\_euclid (k23\_pscomp\_1 X0) = k17\_euclid (k12\_pscomp\_1 X0)) \wedge (k17\_euclid (k22\_pscomp\_1 X0) = k17\_euclid (k12\_pscomp\_1 X0)))))) \quad (2)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow ((k18\_euclid (k11\_pscomp\_1 X0) = k18\_euclid (k20\_pscomp\_1 X0)) \wedge ((k18\_euclid (k11\_pscomp\_1 X0) = k18\_euclid (k21\_pscomp\_1 X0)) \wedge ((k18\_euclid (k20\_pscomp\_1 X0) = k18\_euclid (k21\_pscomp\_1 X0)) \wedge ((k18\_euclid (k20\_pscomp\_1 X0) = k18\_euclid (k12\_pscomp\_1 X0)) \wedge (k18\_euclid (k21\_pscomp\_1 X0) = k18\_euclid (k12\_pscomp\_1 X0)))))) \quad (3)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow (m1\_subset\_1 (k21\_pscomp\_1 X0) (u1\_struct\_0 (k15\_euclid np\_2))) \quad (4)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow (m1\_subset\_1 (k12\_pscomp\_1 X0) (u1\_struct\_0 (k15\_euclid np\_2))) \quad (5)$$

**Theorem 1**

$$\forall X0.(m1\_subset\_1 X0 (k1\_zfmisc\_1 (u1\_struct\_0 (k15\_euclid np\_2)))) \Rightarrow ((k21\_pscomp\_1 X0 = k22\_pscomp\_1 X0) \Rightarrow (k21\_pscomp\_1 X0 = k12\_pscomp\_1 X0))$$