

## t1\_jgraph\_3

(TMTHUxkUdY7eq2LZCMqBLyMMXcdkfQbpxZw)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  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  $k12\_euclid : \iota \Rightarrow \iota$  be given. Let  $k7\_square\_1 : \iota \Rightarrow \iota$  be given. Let  $k7\_real\_1 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_square\_1 : \iota \Rightarrow \iota$  be given. Let  $k17\_euclid : \iota \Rightarrow \iota$  be given. Let  $k18\_euclid : \iota \Rightarrow \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 (k15\_euclid np\_2))) \Rightarrow \\ & (k12\_euclid X0 = k7\_square\_1 (k7\_real\_1 (k5\_square\_1 (k17\_euclid \\ & X0)) (k5\_square\_1 (k18\_euclid X0)))) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 (k15\_euclid np\_2))) \Rightarrow \\ & (k5\_square\_1 (k12\_euclid X0) = k7\_real\_1 (k5\_square\_1 (k17\_euclid \\ & X0)) (k5\_square\_1 (k18\_euclid X0))) \end{aligned} \quad (2)$$

### Theorem 1

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 (u1\_struct\_0 (k15\_euclid np\_2))) \Rightarrow \\ & ((k12\_euclid X0 = k7\_square\_1 (k7\_real\_1 (k5\_square\_1 (k17\_euclid \\ & X0)) (k5\_square\_1 (k18\_euclid X0)))) \wedge (k5\_square\_1 (k12\_euclid \\ & X0) = k7\_real\_1 (k5\_square\_1 (k17\_euclid X0)) (k5\_square\_1 (k18\_euclid \\ & X0)))) \end{aligned}$$