

t6\_xxreal\_3  
(TMJB2L33ePEubxHnj7dfDUdJVeZ5M7mpKU2)

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Let  $k2\_xxreal\_3 : \iota \Rightarrow \iota$  be given. Let  $k1\_xxreal\_0 : \iota$  be given. Let  $k2\_xxreal\_0 : \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Let  $k4\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$v1\_xxreal\_0 \ k2\_xxreal\_0 \tag{1}$$

Assume the following.

$$v1\_xxreal\_0 \ k1\_xxreal\_0 \tag{2}$$

Assume the following.

$$\begin{aligned} & \forall X0.(v1\_xreal\_0 \ X0) \Rightarrow (\forall X1.(v1\_xxreal\_0 \ X1) \Rightarrow (( \\ & (v1\_xreal\_0 \ X0) \Rightarrow ((X1 = k2\_xxreal\_3 \ X0) \Leftrightarrow (\exists X2.(v1\_xcmplx\_0 \\ & X2) \wedge ((X0 = X2) \wedge (X1 = k4\_xcmplx\_0 \ X2)))))) \wedge (((X0 = k1\_xxreal\_0) \Rightarrow \\ & ((X1 = k2\_xxreal\_3 \ X0) \Leftrightarrow (X1 = k2\_xxreal\_0))) \wedge (\neg(\neg v1\_xreal\_0 \ X0) \wedge \\ & ((X0 \neq k1\_xxreal\_0) \wedge (\neg(X1 = k2\_xxreal\_3 \ X0) \Leftrightarrow (X1 = k1\_xxreal\_0)))))) \end{aligned} \tag{3}$$

**Theorem 1**  $k2\_xxreal\_3 \ k1\_xxreal\_0 = k2\_xxreal\_0$ .