

# l4\_fvaluat1 (TMUPPVn- SXBUiVvvcrhsq5M6Gsm9QBYqFjv)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Let  $k6\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k3\_xxreal\_3 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v1\_xcmplx\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. \forall X2. \forall X3. ((v1\_xreal\_0 X0) \wedge \\ & ((v1\_xreal\_0 X1) \wedge ((v1\_xcmplx\_0 X2) \wedge (v1\_xcmplx\_0 X3)))) \Rightarrow ((( \\ & X0 = X2) \wedge (X1 = X3)) \Rightarrow (k3\_xxreal\_3 X0 X1 = k6\_xcmplx\_0 X2 X3)) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0. (v1\_xreal\_0 X0) \Rightarrow (v1\_xcmplx\_0 X0) \quad (2)$$

## Theorem 1

$$\begin{aligned} & \forall X0. (v1\_xreal\_0 X0) \Rightarrow (\forall X1. (v1\_xreal\_0 X1) \Rightarrow (\forall X2. \\ & (v1\_xxreal\_0 X2) \Rightarrow (\forall X3. (v1\_xxreal\_0 X3) \Rightarrow (((X0 = X2) \wedge (X1 = \\ & X3)) \Rightarrow (k6\_xcmplx\_0 X0 X1 = k3\_xxreal\_3 X2 X3)))))) \end{aligned}$$