

# t71\_complex1

(TMYd61zMgBwvCDe5cu1LYdw4SW3CbFPHkGX)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k17\_complex1 : \iota \Rightarrow \iota$  be given. Let  $k4\_xcmplx\_0 : \iota \Rightarrow \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow (r1\_xxreal\_0 k6\_numbers (k3\_xcmplx\_0 X0 X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow ((r1\_xxreal\_0 k6\_numbers X0) \Rightarrow (k17\_complex1 X0 = X0)) \quad (2)$$

Assume the following.

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow (\forall X1.(v1\_xreal\_0 X1) \Rightarrow (\neg(\neg r1\_xxreal\_0 X0 k6\_numbers) \wedge ((\neg r1\_xxreal\_0 k6\_numbers X1) \wedge (r1\_xxreal\_0 k6\_numbers (k3\_xcmplx\_0 X0 X1)))))) \quad (3)$$

Assume the following.

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow ((r1\_xxreal\_0 X0 k6\_numbers) \Rightarrow (k17\_complex1 X0 = k4\_xcmplx\_0 X0)) \quad (4)$$

## Theorem 1

$$\forall X0.(v1\_xreal\_0 X0) \Rightarrow ((k17\_complex1 X0 = X0) \vee (k17\_complex1 X0 = k4\_xcmplx\_0 X0))$$