t134_xreal_1 (TMSzwGJ-NAMx8TUugTUiJ3gPjd9Du8TMNksL)

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

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

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (((r1\_xxreal\_0\ k6\_numbers\ X0) \wedge (r1\_xxreal\_0\ X1\ k6\_numbers)) \Rightarrow (r1\_xxreal\_0\ (k3\_xcmplx\_0\ X0\ X1)\ k6\_numbers))) \tag{2}$$

Assume the following.

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

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (\neg(\neg r1\_xxreal\_0\ X0\ k6\_numbers) \wedge ((\neg r1\_xxreal\_0\ k6\_numbers\ X1) \wedge (r1\_xxreal\_0\ k6\_numbers\ (k3\_xcmplx\_0\ X0\ X1))))) \tag{4}$$

Theorem 1

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