l5_series_4 (TMKRvZSeEYmVrJSZa-wWcy6o4n1zM8G283Uy)

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Let $v1\_xreal\_0 : \iota \Rightarrow o$ be given. Let $k1\_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np\_\_2 : \iota$ be given. Let $k2\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3\_xcmplx\_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_xcmplx\_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1\_xcmplx\_0\ X0) \Rightarrow (\forall X1.(v1\_xcmplx\_0\ X1) \Rightarrow (k1\_newton\ (k6\_xcmplx\_0\ X0\ X1)\ np\_\_2 = k2\_xcmplx\_0\ (k6\_xcmplx\_0\ (k1\_newton\ X0\ np\_\_2)\ (k3\_xcmplx\_0\ (k3\_xcmplx\_0\ np\_\_2\ X0)\ X1))\ (k1\_newton\ X1\ np\_\_2))) \tag{1}$$

Assume the following.

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (v1\_xcmplx\_0\ X0) \tag{2}$$

Theorem 1

$$\forall X0.(v1\_xreal\_0\ X0) \Rightarrow (\forall X1.(v1\_xreal\_0\ X1) \Rightarrow (k1\_newton\ (k6\_xcmplx\_0\ X0\ X1)\ np\_\_2 = k2\_xcmplx\_0\ (k6\_xcmplx\_0\ (k1\_newton\ X0\ np\_\_2)\ (k3\_xcmplx\_0\ (k3\_xcmplx\_0\ np\_\_2\ X0)\ X1))\ (k1\_newton\ X1\ np\_\_2)))$$