

t4\_compdrig  
(TMF65iBdJK6AkJgtk2UJYFehkwNPRKK98vP)

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Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k1\_newton : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_power : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $np\_1 : \iota$  be given. Let  $v1\_abian : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0.(v1\_xreal\_0 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow ((\neg \\ (\neg(r1\_xxreal\_0 np\_1 X1) \wedge (r1\_xxreal\_0 k6\_numbers X0)) \wedge (v1\_abian \\ X1)) \Rightarrow ((k1\_newton (k1\_power X1 X0) X1 = X0) \wedge (k1\_power X1 (k1\_newton \\ X0 X1) = X0)))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow ((\neg r1\_xxreal\_0 np\_1 X0) \Rightarrow (X0 = k6\_numbers)) \tag{2}$$

**Theorem 1**

$$\begin{aligned} \forall X0.(v1\_xreal\_0 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow ((r1\_xxreal\_0 \\ k6\_numbers X0) \Rightarrow ((X1 = k6\_numbers) \vee (k1\_newton (k1\_power X1 X0) \\ X1 = X0)))) \end{aligned}$$