

t85_newton (TMHe- dRjp7SCbMWTh1JpuNfhNbEqf6NCSMTB)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Let $k2_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k6_numbers : \iota$ be given. Assume the following.

$$\forall X0 : \iota \Rightarrow o. ((X0 \ k6_numbers) \wedge (\forall X1. (v7_ordinal1 \ X1) \Rightarrow ((X0 \ X1) \Rightarrow (X0 \ (k1_nat_1 \ X1 \ np_1)))))) \Rightarrow (\forall X1. (v7_ordinal1 \ X1) \Rightarrow (X0 \ X1)) \quad (1)$$

Assume the following.

$$\forall X0. (v7_ordinal1 \ X0) \Rightarrow ((r1_xxreal_0 \ (k1_nat_1 \ X0 \ np_1) \ (k2_newton \ np_2 \ X0)) \Rightarrow (r1_xxreal_0 \ (k1_nat_1 \ (k1_nat_1 \ X0 \ np_1) \ np_1) \ (k2_newton \ np_2 \ (k1_nat_1 \ X0 \ np_1)))) \quad (2)$$

Assume the following.

$$r1_xxreal_0 \ (k1_nat_1 \ k6_numbers \ np_1) \ (k2_newton \ np_2 \ k6_numbers) \quad (3)$$

Theorem 1

$$\forall X0. (v7_ordinal1 \ X0) \Rightarrow (r1_xxreal_0 \ (k1_nat_1 \ X0 \ np_1) \ (k2_newton \ np_2 \ X0))$$