

t38\_newton  
(TMJLL6mgtMVGRxEuSL77YP9PYRZeN7EC9CP)

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Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k9\_newton : \iota \Rightarrow \iota$  be given. Let  $r1\_nat\_d : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k3\_newton : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow ((r1\_nat\_d X1 X0) \Rightarrow ((r1\_xxreal\_0 X0 k6\_numbers) \vee (r1\_xxreal\_0 X1 X0)))) \quad (1)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow ((X0 \neq k6\_numbers) \Rightarrow (r1\_nat\_d X0 (k9\_newton X0))) \quad (2)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (r1\_xxreal\_0 k6\_numbers X0) \quad (3)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\neg r1\_xxreal\_0 (k3\_newton X0) k6\_numbers) \quad (4)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (k9\_newton X0 = k3\_newton X0) \quad (5)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (v7\_ordinal1 (k3\_newton X0)) \quad (6)$$

**Theorem 1**  $\forall X0.(v7\_ordinal1 X0) \Rightarrow (r1\_xxreal\_0 X0 (k9\_newton X0)).$