

t55\_newton  
(TMZFqmrhrm45okq85AcSND179ofhNFmycUL)

October 27, 2020

Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $k6\_nat\_d : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_nat\_d : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow (k6\_nat\_d X0 (k5\_nat\_d X0 X1) = X0)) \quad (1)$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow (k5\_nat\_d (k6\_nat\_d X0 X1) X1 = X1)) \quad (2)$$

**Theorem 1**

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow (k6\_nat\_d X0 (k5\_nat\_d X0 X1) = k5\_nat\_d (k6\_nat\_d X1 X0) X0))$$