

t2\_group\_1  
(TMJG19X2jUyPhs5mdKbdCvEX9E5XcBHjdAf)

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Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $v1\_int\_2 : \iota \Rightarrow o$  be given. Let  $r1\_int\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_newton : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $r1\_nat\_d : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k5\_numbers : \iota$  be given. Let  $k4\_ordinal1 : \iota$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow (\forall X2. \\ & (v7\_ordinal1 X2) \Rightarrow (\neg(v1\_int\_2 X0) \wedge ((r1\_nat\_d X1 (k1\_newton X0 \\ & X2)) \wedge (\forall X3.(m1\_subset\_1 X3 k5\_numbers) \Rightarrow (\neg(X1 = k1\_newton \\ & X0 X3) \wedge (r1\_xxreal\_0 X3 X2))))))) \end{aligned} \quad (1)$$

Assume the following.

$$\forall X0.\forall X1.((v7\_ordinal1 X0) \wedge (v7\_ordinal1 X1)) \Rightarrow (r1\_nat\_d X0 X1) \Leftrightarrow (r1\_int\_1 X0 X1) \quad (2)$$

Assume the following.

$$k5\_numbers = k4\_ordinal1 \quad (3)$$

Assume the following.

$$\forall X0.\forall X1.((v7\_ordinal1 X0) \wedge (v7\_ordinal1 X1)) \Rightarrow (v7\_ordinal1 (k1\_newton X0 X1)) \quad (4)$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k4\_ordinal1) \Rightarrow (v7\_ordinal1 X0) \quad (5)$$

**Theorem 1**

$$\begin{aligned} & \forall X0.((v7\_ordinal1 X0) \wedge (v1\_int\_2 X0)) \Rightarrow (\forall X1.(v7\_ordinal1 \\ & X1) \Rightarrow (\forall X2.(v7\_ordinal1 X2) \Rightarrow (\neg(r1\_int\_1 X1 (k1\_newton X0 \\ & X2)) \wedge (\forall X3.(v7\_ordinal1 X3) \Rightarrow (\neg(X1 = k1\_newton X0 X3) \wedge (r1\_xxreal\_0 \\ & X3 X2)))))) \end{aligned}$$