

l50_pepin
(TMQKiPbwN8y3cw2VhqCmWfJcme4PuASRnqD)

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Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $r2_int_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k4_nat_d : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow ((\neg r1_xxreal_0 X1 np_1) \Rightarrow ((k4_nat_d X0 X1 = np_1) \Leftrightarrow (r2_int_1 X0 np_1 X1)))) \tag{1}$$

Theorem 1

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\forall X1.(v7_ordinal1 X1) \Rightarrow ((r2_int_1 X1 np_1 X0) \Rightarrow ((r1_xxreal_0 X0 np_1) \vee ((r1_xxreal_0 X1 np_1) \vee (k4_nat_d X1 X0 = np_1))))))$$