

t19_nat_2

(TMQq8S9kqNoZtZeb5anLFrXEhTdkdr2ZtFG)

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Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v7_ordinal1 : \iota \Rightarrow o$ be given. Let $np_1 : \iota$ be given. Let $r1_xreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v7_ordinal1 X0) \Rightarrow (\neg(\neg v1_xboole_0 X0) \wedge ((X0 \neq np_1) \wedge (r1_xreal_0 X0 np_1))) \quad (1)$$

Theorem 1

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v7_ordinal1 X0)) \Rightarrow (\neg(X0 \neq np_1) \wedge (r1_xreal_0 X0 np_1))$$