

t44_fib_num3
(TMdBfd4yBo2PLNF5hVgGcuK1vzVcaF3irtv)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5_numbers : \iota$ be given. Let $k2_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_fib_num3 : \iota \Rightarrow \iota$ be given. Let $np_3 : \iota$ be given. Let $k4_nat_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Assume the following.

$$\forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (k4_nat_1 np_2 (k1_fib_num3 (k2_nat_1 X0 np_2)) = k2_nat_1 (k1_fib_num3 X0) (k1_fib_num3 (k2_nat_1 X0 np_3))) \quad (1)$$

Theorem 1

$$\forall X0.(m1_subset_1 X0 k5_numbers) \Rightarrow (k2_nat_1 (k1_fib_num3 X0) (k1_fib_num3 (k2_nat_1 X0 np_3)) = k4_nat_1 np_2 (k1_fib_num3 (k2_nat_1 X0 np_2)))$$