

t2_euclid.8 (TMNih-
HAP7NJt4qqCqTPkGXNRfqLfm3UZELd)

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Let $m2_finseq_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_numbers : \iota$ be given. Let $k3_finseq_1 : \iota \Rightarrow \iota$ be given. Let $np_3 : \iota$ be given. Let $m2_finseq_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_euclid : \iota \Rightarrow \iota$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow ((m2_finseq_2 X0 k1_numbers \\ (k1_euclid (k3_finseq_1 X0))) \wedge (m1_subset_1 X0 (u1_struct_0 (\\ k15_euclid (k3_finseq_1 X0)))))) \quad (1)$$

Theorem 1

$$\forall X0.(m2_finseq_1 X0 k1_numbers) \Rightarrow ((k3_finseq_1 X0 = np_3) \Rightarrow \\ (m2_finseq_2 X0 k1_numbers (k1_euclid np_3)))$$