

t15_topgen_5
(TMRS4KjBykh3YMTLrCqRSr4zuRMAoU29Fce)

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Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k19_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_topgen_5 : \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k10_finseq_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Assume the following.

$$\forall X0. \forall X1. (k10_finseq_1 X0 X1 \in k1_topgen_5) \Leftrightarrow ((X0 \in k1_numbers) \wedge (X1 = k6_numbers)) \quad (1)$$

Assume the following.

$$\forall X0. \forall X1. ((v1_xreal_0 X0) \wedge (v1_xreal_0 X1)) \Rightarrow (k19_euclid X0 X1 = k10_finseq_1 X0 X1) \quad (2)$$

Assume the following.

$$\forall X0. (v1_xreal_0 X0) \Leftrightarrow (X0 \in k1_numbers) \quad (3)$$

Theorem 1

$$\forall X0. (v1_xreal_0 X0) \Rightarrow (\forall X1. (v1_xreal_0 X1) \Rightarrow ((k19_euclid X0 X1 \in k1_topgen_5) \Leftrightarrow (X1 = k6_numbers)))$$