

t48_topgen_1
(TMTL6hEdWgTNfujuHv3SJPuBB3WAFuEnpRS)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k3_topmetr : \iota$ be given. Let $k1_borsuk_5 : \iota$ be given. Let $k3_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_numbers : \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k6_subset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k4_xboole_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$u1_struct_0 \ k3_topmetr = k1_numbers \tag{1}$$

Assume the following.

$$\forall X0. \forall X1. k6_subset_1 \ X0 \ X1 = k4_xboole_0 \ X0 \ X1 \tag{2}$$

Assume the following.

$$k3_numbers = k6_subset_1 \ k1_numbers \ k1_borsuk_5 \tag{3}$$

Assume the following.

$$\forall X0. \forall X1. (m1_subset_1 \ X1 \ (k1_zfmisc_1 \ X0)) \Rightarrow (k3_subset_1 \ X0 \ X1 = k4_xboole_0 \ X0 \ X1) \tag{4}$$

Theorem 1

$$\forall X0. (m1_subset_1 \ X0 \ (k1_zfmisc_1 \ (u1_struct_0 \ k3_topmetr))) \Rightarrow ((X0 = k1_borsuk_5) \Rightarrow (k3_subset_1 \ (u1_struct_0 \ k3_topmetr) \ X0 = k3_numbers))$$