

t1_mazurulm (TMZRnuXTB- HYRAL6ZXuSFX9AA6ejZVwQRfdR)

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Let $v1_tops_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_urysohn1 : \iota$ be given. Let $k5_topmetr : \iota$ be given. 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 $k17_borsuk_1 : \iota$ be given. Let $k2_pre_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $c1_mazurulm : \iota$ be given. Let $k2_struct_0 : \iota \Rightarrow \iota$ be given. Let $l1_pre_topc : \iota \Rightarrow o$ be given. Assume the following.

$$k5_topmetr = k17_borsuk_1 \tag{1}$$

Assume the following.

$$k2_pre_topc \ k5_topmetr \ c1_mazurulm = k2_struct_0 \ k5_topmetr \tag{2}$$

Assume the following.

$$l1_pre_topc \ k17_borsuk_1 \tag{3}$$

Assume the following.

$$m1_subset_1 \ c1_mazurulm \ (k1_zfmisc_1 \ (u1_struct_0 \ k5_topmetr)) \tag{4}$$

Assume the following.

$$c1_mazurulm = k2_urysohn1 \tag{5}$$

Assume the following.

$$\begin{aligned} \forall X0.(l1_pre_topc \ X0) \Rightarrow (\forall X1.(m1_subset_1 \ X1 \ (k1_zfmisc_1 \\ (u1_struct_0 \ X0))) \Rightarrow ((v1_tops_1 \ X1 \ X0) \Leftrightarrow (k2_pre_topc \ X0 \ X1 = k2_struct_0 \\ X0))) \end{aligned} \tag{6}$$

Theorem 1

$$(v1_tops_1 \ k2_urysohn1 \ k5_topmetr) \wedge (m1_subset_1 \ k2_urysohn1 \\ (k1_zfmisc_1 \ (u1_struct_0 \ k5_topmetr)))$$