

l54_borsuk_1

(TMX9JPNPBCJXb3UxCg3tF7pitHYKpc1qCvn)

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Let $k3_pcomps_1 : \iota \Rightarrow \iota$ be given. Let $k8_metric_1 : \iota$ be given. Let $g1_pre_topc : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k2_pcomps_1 : \iota \Rightarrow \iota$ be given. Let $v1_metric_1 : \iota \Rightarrow o$ be given. Let $l1_metric_1 : \iota \Rightarrow o$ be given. Assume the following.

$$(v1_metric_1 \ k8_metric_1) \wedge (l1_metric_1 \ k8_metric_1) \quad (1)$$

Assume the following.

$$\forall X0. (l1_metric_1 \ X0) \Rightarrow (k3_pcomps_1 \ X0 = g1_pre_topc \ (u1_struct_0 \ X0) \ (k2_pcomps_1 \ X0)) \quad (2)$$

Theorem 1

$$k3_pcomps_1 \ k8_metric_1 = g1_pre_topc \ (u1_struct_0 \ k8_metric_1) \ (k2_pcomps_1 \ k8_metric_1)$$