

t18_tops_1 (TMNB-
wSC9X33QSaQxFEHvpzv4ZPu7KQFpMuQ)

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Let $l1_pre_topc : \iota \Rightarrow o$ be given. Let $k1_tops_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_struct_0 : \iota \Rightarrow \iota$ be given. Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Let $l1_struct_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v1_xboole_0 X0) \Rightarrow (X0 = k1_xboole_0) \quad (1)$$

Assume the following.

$$\forall X0.(l1_pre_topc X0) \Rightarrow (v1_xboole_0 (k1_tops_1 X0 (k1_struct_0 X0))) \quad (2)$$

Assume the following.

$$\forall X0.(l1_pre_topc X0) \Rightarrow (l1_struct_0 X0) \quad (3)$$

Assume the following.

$$\forall X0.(l1_struct_0 X0) \Rightarrow (k1_struct_0 X0 = k1_xboole_0) \quad (4)$$

Theorem 1

$$\forall X0.(l1_pre_topc X0) \Rightarrow (k1_tops_1 X0 (k1_struct_0 X0) = k1_struct_0 X0)$$