

l8\_topalg\_5  
(TMTHCs5cuhS6e6sGqtFvPYaSm6N7BKh4VVf)

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Let  $k1\_pre\_topc : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k5\_topmetr : \iota$  be given. Let  $k2\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $v1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $l1\_pre\_topc : \iota \Rightarrow o$  be given. Let  $k17\_borsuk\_1 : \iota$  be given. Let  $v2\_struct\_0 : \iota \Rightarrow o$  be given. Let  $v2\_pre\_topc : \iota \Rightarrow o$  be given. Assume the following.

$$\forall X0. ((v1\_pre\_topc X0) \wedge (l1\_pre\_topc X0)) \Rightarrow (k1\_pre\_topc X0 (k2\_struct\_0 X0) = X0) \quad (1)$$

Assume the following.

$$k5\_topmetr = k17\_borsuk\_1 \quad (2)$$

Assume the following.

$$(\neg v2\_struct\_0 k17\_borsuk\_1) \wedge ((v1\_pre\_topc k17\_borsuk\_1) \wedge (v2\_pre\_topc k17\_borsuk\_1)) \quad (3)$$

Assume the following.

$$l1\_pre\_topc k17\_borsuk\_1 \quad (4)$$

**Theorem 1**  $k1\_pre\_topc k5\_topmetr (k2\_struct\_0 k5\_topmetr) = k5\_topmetr.$