

t14\_ospace (TMN-  
NvzT5vGs9W5yrCKCo5RAoopJANG34T61)

October 27, 2020

Let  $k3\_ospace : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $k4\_struct\_0 : \iota \Rightarrow \iota$  be given. Let  $k2\_ospace : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Let  $k5\_struct\_0 : \iota \Rightarrow \iota$  be given. Assume the following.

$$\forall X0. \forall X1. \neg (X0 \in X1) \wedge (v1\_xboole\_0 X1) \quad (1)$$

Assume the following.

$$v1\_xboole\_0 k1\_xboole\_0 \quad (2)$$

Assume the following.

$$\forall X0. \forall X1. ((X1 \in X0) \Rightarrow (k3\_ospace X0 X1 = k5\_struct\_0 k2\_ospace)) \wedge ((\neg X1 \in X0) \Rightarrow (k3\_ospace X0 X1 = k4\_struct\_0 k2\_ospace)) \quad (3)$$

**Theorem 1**  $\forall X0. k3\_ospace k1\_xboole\_0 X0 = k4\_struct\_0 k2\_ospace.$