

t32_ens_1 (TMMJSoQh-
wjLXg1kgyDxWTcNWhCvrmjvyUNj)

October 27, 2020

Let $v1_xboole_0 : \iota \Rightarrow o$ be given. Let $v1_classes2 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k11_ens_1 : \iota \Rightarrow \iota$ be given. Let $v11_cat_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_xboole_0 : \iota$ be given. Assume the following.

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (k1_xboole_0 \in X0) \quad (1)$$

Assume the following.

$$\forall X0.(\neg v1_xboole_0 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k11_ens_1 X0))) \Rightarrow (((k1_xboole_0 \in X0) \wedge (v11_cat_1 X1 (k11_ens_1 X0))) \Rightarrow (X1 = k1_xboole_0))) \quad (2)$$

Theorem 1

$$\forall X0.((\neg v1_xboole_0 X0) \wedge (v1_classes2 X0)) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 (k11_ens_1 X0))) \Rightarrow ((v11_cat_1 X1 (k11_ens_1 X0)) \Rightarrow (X1 = k1_xboole_0)))$$