l27_arytm_2 (TMGXK-VaXi4t2TmvibdNFRZEJ8ZcNXwXU9ZB)

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Let $k1\_arytm\_2 : \iota$ be given. Let $k11\_arytm\_3 : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k5\_arytm\_3 : \iota$ be given. Let $r3\_arytm\_3 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_arytm\_3) \Rightarrow (r3\_arytm\_3\ k11\_arytm\_3\ X0) \tag{1}$$

Assume the following.

$$k11\_arytm\_3 = k1\_xboole\_0 \tag{2}$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k5\_arytm\_3) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k5\_arytm\_3) \Rightarrow (\forall X2.((X2 \in k1\_arytm\_2) \wedge ((X0 \in X2) \wedge (r3\_arytm\_3\ X1\ X0))) \Rightarrow (X1 \in X2))) \tag{3}$$

Assume the following.

$$\forall X0.\neg(X0 \in k1\_arytm\_2) \wedge ((X0 \neq k11\_arytm\_3) \wedge (\forall X1.(m1\_subset\_1\ X1\ k5\_arytm\_3) \Rightarrow (\neg(X1 \in X0) \wedge (X1 \neq k11\_arytm\_3)))) \tag{4}$$

Assume the following.

$$m1\_subset\_1\ k11\_arytm\_3\ k5\_arytm\_3 \tag{5}$$

Theorem 1 $\forall X0.(X0 \in k1\_arytm\_2) \Rightarrow ((X0 = k11\_arytm\_3) \vee (k11\_arytm\_3 \in X0))$.