l11_xreal_0 (TMYsEeZLjypxCMD-JpZwZpFA6EsC3CHUdHHA)

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Let $r1\_arytm\_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $c1\_\_xreal\_0 : \iota$ be given. Let $c2\_\_xreal\_0 : \iota$ be given. Let $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2\_arytm\_2 : \iota$ be given. Let $k11\_arytm\_3 : \iota$ be given. Let $k6\_numbers : \iota$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $np\_\_1 : \iota$ be given. Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ k2\_arytm\_2) \Rightarrow (\forall X1.(m1\_subset\_1\ X1\ k2\_arytm\_2) \Rightarrow ((X0 = k11\_arytm\_3) \Rightarrow (r1\_arytm\_2\ X0\ X1))) \tag{1}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{2}$$

Assume the following.

$$k11\_arytm\_3 = k1\_xboole\_0 \tag{3}$$

Assume the following.

$$m1\_subset\_1\ c2\_\_xreal\_0\ k2\_arytm\_2 \tag{4}$$

Assume the following.

$$m1\_subset\_1\ c1\_\_xreal\_0\ k2\_arytm\_2 \tag{5}$$

Assume the following.

$$c2\_\_xreal\_0 = np\_\_1 \tag{6}$$

Assume the following.

$$c1\_\_xreal\_0 = k6\_numbers \tag{7}$$

Theorem 1 $r1\_arytm\_2\ c1\_\_xreal\_0\ c2\_\_xreal\_0$.