

t2\_measure5  
(TMUPDszq2WBie15KQ9qbHkPtGp8hYE1gff)

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Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k7\_numbers : \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_numbers : \iota$  be given. Let  $v1\_xxreal\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(v1\_xxreal\_0 X0) \Rightarrow (\forall X1.(v1\_xxreal\_0 X1) \Rightarrow (\forall X2. \\ & (v1\_xxreal\_0 X2) \Rightarrow (\neg(\neg r1\_xxreal\_0 X1 X0) \wedge ((\neg r1\_xxreal\_0 X2 X1) \wedge \\ & (\neg X1 \in k1\_numbers)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & \forall X0.(v1\_xxreal\_0 X0) \Rightarrow (\forall X1.(v1\_xxreal\_0 X1) \Rightarrow (\neg \\ & (\neg r1\_xxreal\_0 X1 X0) \wedge (\forall X2.(v1\_xxreal\_0 X2) \Rightarrow (\neg(\neg r1\_xxreal\_0 \\ & X2 X0) \wedge (\neg r1\_xxreal\_0 X1 X2)))))) \end{aligned} \tag{2}$$

Assume the following.

$$\forall X0.\forall X1.(X0 \in X1) \Rightarrow (m1\_subset\_1 X0 X1) \tag{3}$$

Assume the following.

$$\forall X0.(v1\_xxreal\_0 X0) \Leftrightarrow (X0 \in k7\_numbers) \tag{4}$$

Assume the following.

$$\forall X0.(m1\_subset\_1 X0 k7\_numbers) \Rightarrow (v1\_xxreal\_0 X0) \tag{5}$$

**Theorem 1**

$$\begin{aligned} & \forall X0.(m1\_subset\_1 X0 k7\_numbers) \Rightarrow (\forall X1.(m1\_subset\_1 \\ & X1 k7\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0 X1 X0) \wedge (\forall X2.(m1\_subset\_1 \\ & X2 k7\_numbers) \Rightarrow (\neg(\neg r1\_xxreal\_0 X2 X0) \wedge ((\neg r1\_xxreal\_0 X1 X2) \wedge \\ & (X2 \in k1\_numbers)))))) \end{aligned}$$