

t30\_measure6  
(TMM2XJZquhV77bJzcqTK5w783XZ1HesAApz)

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Let  $v6\_xreal\_2 : \iota \Rightarrow o$  be given. Let  $m1\_subset\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k1\_zfmisc\_1 : \iota \Rightarrow \iota$  be given. Let  $k1\_numbers : \iota$  be given. Let  $v1\_xreal\_0 : \iota \Rightarrow o$  be given. Let  $k2\_measure6 : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $v4\_measure5 : \iota \Rightarrow o$  be given. Let  $v3\_measure5 : \iota \Rightarrow o$  be given. Let  $v2\_measure5 : \iota \Rightarrow o$  be given. Let  $v1\_measure5 : \iota \Rightarrow o$  be given. Let  $v3\_membered : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} \forall X0.((v6\_xreal\_2 X0) \wedge (m1\_subset\_1 X0 (k1\_zfmisc\_1 k1\_numbers))) \Rightarrow \\ (\forall X1.(v1\_xreal\_0 X1) \Rightarrow ((v4\_measure5 X0) \Leftrightarrow (v4\_measure5 \\ (k2\_measure6 X0 X1)))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} \forall X0.((v6\_xreal\_2 X0) \wedge (m1\_subset\_1 X0 (k1\_zfmisc\_1 k1\_numbers))) \Rightarrow \\ (\forall X1.(v1\_xreal\_0 X1) \Rightarrow ((v3\_measure5 X0) \Leftrightarrow (v3\_measure5 \\ (k2\_measure6 X0 X1)))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} \forall X0.((v6\_xreal\_2 X0) \wedge (m1\_subset\_1 X0 (k1\_zfmisc\_1 k1\_numbers))) \Rightarrow \\ (\forall X1.(v1\_xreal\_0 X1) \Rightarrow ((v2\_measure5 X0) \Leftrightarrow (v2\_measure5 \\ (k2\_measure6 X0 X1)))) \end{aligned} \tag{3}$$

Assume the following.

$$\begin{aligned} \forall X0.((v6\_xreal\_2 X0) \wedge (m1\_subset\_1 X0 (k1\_zfmisc\_1 k1\_numbers))) \Rightarrow \\ (\forall X1.(v1\_xreal\_0 X1) \Rightarrow ((v1\_measure5 X0) \Leftrightarrow (v1\_measure5 \\ (k2\_measure6 X0 X1)))) \end{aligned} \tag{4}$$

Assume the following.

$$\begin{aligned} \forall X0.((v6\_xreal\_2 X0) \wedge (m1\_subset\_1 X0 (k1\_zfmisc\_1 k1\_numbers))) \Rightarrow \\ (\neg(\neg v1\_measure5 X0) \wedge (\neg v2\_measure5 X0) \wedge (\neg v3\_measure5 X0) \wedge \\ (\neg v4\_measure5 X0))) \end{aligned} \tag{5}$$

Assume the following.

$$\forall X0.\forall X1.((v3\_membered\ X0)\wedge(v1\_xreal\_0\ X1))\Rightarrow(m1\_subset\_1\ (k2\_measure6\ X0\ X1)\ (k1\_zfmisc\_1\ k1\_numbers)) \quad (6)$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers))\Rightarrow(v3\_membered\ X0) \quad (7)$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers))\Rightarrow((v4\_measure5\ X0)\Rightarrow(v6\_xxreal\_2\ X0)) \quad (8)$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers))\Rightarrow((v3\_measure5\ X0)\Rightarrow(v6\_xxreal\_2\ X0)) \quad (9)$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers))\Rightarrow((v2\_measure5\ X0)\Rightarrow(v6\_xxreal\_2\ X0)) \quad (10)$$

Assume the following.

$$\forall X0.(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers))\Rightarrow((v1\_measure5\ X0)\Rightarrow(v6\_xxreal\_2\ X0)) \quad (11)$$

**Theorem 1**

$$\forall X0.((v6\_xxreal\_2\ X0)\wedge(m1\_subset\_1\ X0\ (k1\_zfmisc\_1\ k1\_numbers)))\Rightarrow(\forall X1.(v1\_xreal\_0\ X1)\Rightarrow((v6\_xxreal\_2\ (k2\_measure6\ X0\ X1))\wedge(m1\_subset\_1\ (k2\_measure6\ X0\ X1)\ (k1\_zfmisc\_1\ k1\_numbers))))$$