

# t73\_mmlquery

## (TMTSCej1FxyUzW1E4TLjoDBTHsLgQQQLbnLM)

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Let  $v7\_ordinal1 : \iota \Rightarrow o$  be given. Let  $l1\_mmlquery : \iota \Rightarrow o$  be given. Let  $m2\_finseq\_1 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $u1\_mmlquery : \iota \Rightarrow \iota$  be given. Let  $r1\_tarski : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k32\_mmlquery : \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $k35\_mmlquery : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$  be given. Let  $r1\_xxreal\_0 : \iota \Rightarrow \iota \Rightarrow o$  be given. Let  $k6\_numbers : \iota$  be given. Let  $k1\_xboole\_0 : \iota$  be given. Let  $v1\_xboole\_0 : \iota \Rightarrow o$  be given. Assume the following.

$$\begin{aligned} & \forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(v7\_ordinal1 X1) \Rightarrow (\forall X2. \\ & (l1\_mmlquery X2) \Rightarrow (\forall X3.(m2\_finseq\_1 X3 (u1\_mmlquery X2)) \Rightarrow \\ & ((r1\_xxreal\_0 X0 X1) \Rightarrow (r1\_tarski (k35\_mmlquery X2 X3 X0) (k35\_mmlquery \\ & X2 X3 X1)))))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(l1\_mmlquery X0) \Rightarrow (\forall X1.(m2\_finseq\_1 X1 (u1\_mmlquery X0)) \Rightarrow (k35\_mmlquery X0 X1 k6\_numbers = k32\_mmlquery X0 X1)) \tag{2}$$

Assume the following.

$$\forall X0.(v7\_ordinal1 X0) \Rightarrow (r1\_xxreal\_0 k6\_numbers X0) \tag{3}$$

Assume the following.

$$k6\_numbers = k1\_xboole\_0 \tag{4}$$

Assume the following.

$$v1\_xboole\_0 k1\_xboole\_0 \tag{5}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0 X0) \Rightarrow (v7\_ordinal1 X0) \tag{6}$$

### Theorem 1

$$\begin{aligned} & \forall X0.(v7\_ordinal1 X0) \Rightarrow (\forall X1.(l1\_mmlquery X1) \Rightarrow (\forall X2. \\ & (m2\_finseq\_1 X2 (u1\_mmlquery X1)) \Rightarrow (r1\_tarski (k32\_mmlquery X1 \\ & X2) (k35\_mmlquery X1 X2 X0)))) \end{aligned}$$