t15_lukasi_1
(TMcRcikp3DoBf1QdvyrFb3LqEfsRdbwpGNK)

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Let $m1\_qc\_lang1 : \iota{\Rightarrow}o$ be given. Let $m2\_subset\_1 : \iota{\Rightarrow}\iota{\Rightarrow}\iota{\Rightarrow}o$ be given. Let $k9\_qc\_lang1 : \iota{\Rightarrow}\iota$ be given. Let $k3\_cqc\_lang : \iota{\Rightarrow}\iota$ be given. Let $k8\_cqc\_lang : \iota{\Rightarrow}\iota{\Rightarrow}\iota{\Rightarrow}\iota$ be given. Let $k4\_cqc\_the1 : \iota{\Rightarrow}\iota$ be given. Let $v1\_xboole\_0 : \iota{\Rightarrow}o$ be given. Let $m1\_subset\_1 : \iota{\Rightarrow}\iota{\Rightarrow}o$ be given. Let $k1\_zfmisc\_1 : \iota{\Rightarrow}\iota$ be given. Assume the following.

$$\forall X0.(m1\_qc\_lang1\ X0){\Rightarrow}(\forall X1.(m2\_subset\_1\ X1\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0)){\Rightarrow}(\forall X2.(m2\_subset\_1\ X2\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0)){\Rightarrow}(\forall X3.(m2\_subset\_1\ X3\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0)){\Rightarrow}(k8\_cqc\_lang\ X0\ (k8\_cqc\_lang\ X0\ X1\ (k8\_cqc\_lang$$
$$X0\ X2\ X3))\ (k8\_cqc\_lang\ X0\ X2\ (k8\_cqc\_lang\ X0\ X1\ X3)) \in k4\_cqc\_the1$$
$$X0))))\tag{1}$$

Assume the following.

$$\forall X0.(m1\_qc\_lang1\ X0){\Rightarrow}(\forall X1.(m2\_subset\_1\ X1\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0)){\Rightarrow}(\forall X2.(m2\_subset\_1\ X2\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0)){\Rightarrow}(((X1 \in k4\_cqc\_the1\ X0){\wedge}(k8\_cqc\_lang\ X0$$
$$X1\ X2 \in k4\_cqc\_the1\ X0)){\Rightarrow}(X2 \in k4\_cqc\_the1\ X0))))\tag{2}$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0){\wedge}((\neg v1\_xboole\_0\ X1){\wedge}$$
$$(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))){\Rightarrow}(\forall X2.(m2\_subset\_1$$
$$X2\ X0\ X1){\Leftrightarrow}(m1\_subset\_1\ X2\ X1))\tag{3}$$

Assume the following.

$$\forall X0.(m1\_qc\_lang1\ X0){\Rightarrow}(\neg v1\_xboole\_0\ (k3\_cqc\_lang\ X0))\tag{4}$$

Assume the following.

$$\forall X0.(m1\_qc\_lang1\ X0){\Rightarrow}(\neg v1\_xboole\_0\ (k9\_qc\_lang1\ X0))\tag{5}$$

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Assume the following.

$$\forall X0.\forall X1.\forall X2.((m1\_qc\_lang1\ X0)\wedge((m1\_subset\_1$$
$$X1\ (k3\_cqc\_lang\ X0))\wedge(m1\_subset\_1\ X2\ (k3\_cqc\_lang\ X0))))\Rightarrow(m2\_subset\_1$$
$$(k8\_cqc\_lang\ X0\ X1\ X2)\ (k9\_qc\_lang1\ X0)\ (k3\_cqc\_lang\ X0))$$

(6)

Assume the following.

$$\forall X0.(m1\_qc\_lang1\ X0)\Rightarrow(m1\_subset\_1\ (k3\_cqc\_lang\ X0)\ (k1\_zfmisc\_1$$
$$(k9\_qc\_lang1\ X0)))$$

(7)

Theorem 1

$$\forall X0.(m1\_qc\_lang1\ X0)\Rightarrow(\forall X1.(m2\_subset\_1\ X1\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0))\Rightarrow(\forall X2.(m2\_subset\_1\ X2\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0))\Rightarrow(\forall X3.(m2\_subset\_1\ X3\ (k9\_qc\_lang1$$
$$X0)\ (k3\_cqc\_lang\ X0))\Rightarrow((k8\_cqc\_lang\ X0\ X1\ (k8\_cqc\_lang\ X0\ X2\ X3)\in$$
$$k4\_cqc\_the1\ X0)\Rightarrow(k8\_cqc\_lang\ X0\ X2\ (k8\_cqc\_lang\ X0\ X1\ X3)\in k4\_cqc\_the1$$
$$X0)))))$$