l26_lukasi_1
(TMU1e1t54VCsZVFJXvkq2EXasV4cz927HJe)

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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.

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

$$(1)$$

Assume the following.

$$\forall X0.\forall X1.((\neg v1\_xboole\_0\ X0)\wedge((\neg v1\_xboole\_0\ X1)\wedge$$
$$(m1\_subset\_1\ X1\ (k1\_zfmisc\_1\ X0)))){\Rightarrow}(\forall X2.(m2\_subset\_1$$
$$X2\ X0\ X1){\Leftrightarrow}(m1\_subset\_1\ X2\ X1)) \qquad (2)$$

Assume the following.

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

$$(3)$$

Assume the following.

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

Assume the following.

$$\forall X0.\forall X1.\forall X2.((m1\_qc\_lang1 \ X0)\wedge((m1\_subset\_1$$
$$X1 \ (k3\_cqc\_lang \ X0))\wedge(m1\_subset\_1 \ X2 \ (k3\_cqc\_lang \ X0))))\Rightarrow(m2\_subset\_1$$
$$(k8\_cqc\_lang \ X0 \ X1 \ X2) \ (k9\_qc\_lang1 \ X0) \ (k3\_cqc\_lang \ X0)) \tag{5}$$

Assume the following.

$$\forall X0.(m1\_qc\_lang1 \ X0)\Rightarrow(m1\_subset\_1 \ (k3\_cqc\_lang \ X0) \ (k1\_zfmisc\_1$$
$$(k9\_qc\_lang1 \ X0))) \tag{6}$$

Assume the following.

$$\forall X0.(v1\_xboole\_0 \ X0)\Rightarrow(\forall X1.(m1\_subset\_1 \ X1 \ (k1\_zfmisc\_1$$
$$X0))\Rightarrow(v1\_xboole\_0 \ X1)) \tag{7}$$

Theorem 1

$$\forall X0.(m1\_qc\_lang1 \ X0)\Rightarrow(\forall X1.(m2\_subset\_1 \ X1 \ (k9\_qc\_lang1$$
$$X0) \ (k3\_cqc\_lang \ X0))\Rightarrow(\forall X2.(m2\_subset\_1 \ X2 \ (k9\_qc\_lang1$$
$$X0) \ (k3\_cqc\_lang \ X0))\Rightarrow(\forall X3.(m2\_subset\_1 \ X3 \ (k9\_qc\_lang1$$
$$X0) \ (k3\_cqc\_lang \ X0))\Rightarrow(\forall X4.(m2\_subset\_1 \ X4 \ (k9\_qc\_lang1$$
$$X0) \ (k3\_cqc\_lang \ X0))\Rightarrow(k8\_cqc\_lang \ X0 \ (k8\_cqc\_lang \ X0 \ (k8\_cqc\_lang$$
$$X0 \ (k8\_cqc\_lang \ X0 \ X1 \ X2) \ X2) \ X3) \ (k8\_cqc\_lang \ X0 \ (k8\_cqc\_lang \ X0$$
$$(k8\_cqc\_lang \ X0 \ X2 \ X4) \ X1) \ X3) \in k4\_cqc\_the1 \ X0)))))$$