H(h1)

CP{h1}

G(g1)

CP{g1}

Gx: g Ux: u

A Gx(G(Gx)-> E Ux(U(Ux)^Ux.g1cod = Gx.g1))

F(f1, h1)

CP{f1}

VNN{h1}

CAj{h1} -> ref a H

Fx: f Ux: u

A Fx(F(Fx)-> E Ux(U(Ux)^Ux.f1cod = Fx.f1))

Fx: f Dx: d

A Fx(F(Fx)-> E Dx(D(Dx)^Dx.f1cod = Fx.f1))

U(f1, g1)

CP{f1,g1}

CAj{f1} ref a F

CAj{g1} -> ref a G

D(d1, f1)

CP{d1}

VNN{f1}

CAj{f1} -> ref a F

E(e1)

CP{e1}

C(c1)

CP{c1}

Cx: c Sx: s

A Cx(C(Cx)-> E Sx(S(Sx)^Sx.c1cod = Cx.c1))

S(c1, e1, d1)

CP{c1, e1}

VNN{d1}

UNI{c1, d1}

CAj{c1} -> ref a C

CAj{e1} -> ref a E

CAj{d1} -> ref a D

A(a1)

CP{a1}

Ax: a Rx: r

A Ax(A(Ax)-> E Rx(R(Rx)^Rx.a1cod = Ax.a1))

B(b1)

CP{b1}

Bx: b Rx: r

A Bx(B(Bx)-> E Rx(R(Rx)^Rx.b1cod = Bx.b1))

R(a1, b1, c1)

CP{a1, b1}

VNN{c1}

CAj{a1} -> ref a A

CAj{b1} -> ref a B

CAj{c1} -> ref a C

1 1 Formula VNN

1 n Formula