AGT axioms
AGT problems

AGT001+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(countryamedicalorganization, countryacivilorganization, towna, n_6)   fof(query$_1$, conjecture)

AGT001+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(countryamedicalorganization, countryacivilorganization, towna, n_6)   fof(query$_1$, conjecture)

AGT002+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_team(christiansufferterrahumanitarianorganization, sufferterragovernment, towna, n_6)   fof(query$_2$, conjecture)

AGT002+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_team(christiansufferterrahumanitarianorganization, sufferterragovernment, towna, n_6)   fof(query$_2$, conjecture)

AGT003+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(christiansufferterrahumanitarianorganization, countryafirstaidorganization, towna, n_5)   fof(query$_3$, conjecture)

AGT003+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(christiansufferterrahumanitarianorganization, countryafirstaidorganization, towna, n_5)   fof(query$_3$, conjecture)

AGT004+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_team(countryamedicalorganization, countryahumanitarianorganization, coastvillage, n_5)   fof(query$_4$, conjecture)

AGT004+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_team(countryamedicalorganization, countryahumanitarianorganization, coastvillage, n_5)   fof(query$_4$, conjecture)

AGT005+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(christiansufferterrahumanitarianorganization, countryafirstaidorganization, towna, n_3)   fof(query$_5$, conjecture)

AGT005+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(christiansufferterrahumanitarianorganization, countryafirstaidorganization, towna, n_3)   fof(query$_5$, conjecture)

AGT006+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(countrybcivilorganization, countrybhumanitarianorganization, suffertown, n_4)   fof(query$_6$, conjecture)

AGT006+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(countrybcivilorganization, countrybhumanitarianorganization, suffertown, n_4)   fof(query$_6$, conjecture)

AGT007+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(countrybcivilorganization, countrybhumanitarianorganization, townb, n_3)   fof(query$_7$, conjecture)

AGT007+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
accept_team(countrybcivilorganization, countrybhumanitarianorganization, townb, n_3)   fof(query$_7$, conjecture)

AGT008+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_team(countryamedicalorganization, countryafirstaidorganization, sunsetpoint, n_6)   fof(query$_8$, conjecture)

AGT008+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_team(countryamedicalorganization, countryafirstaidorganization, sunsetpoint, n_6)   fof(query$_8$, conjecture)

AGT009+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')

include('Axioms/NUM005+1.ax')
$\neg$ accept_team(muslimcountrybhumanitarianorganization, countrybhumanitarianorganization, citya, n_2)   fof(query$_9$, conjec

AGT009+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_team(muslimcountrybhumanitarianorganization, countrybhumanitarianorganization, citya, n_2)   fof(query$_9$, conjec

AGT010+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(countryamedicalorganization, native, n_{85})   fof(query$_{10}$, conjecture)

AGT010+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(countryamedicalorganization, native, n_{85})   fof(query$_{10}$, conjecture)

AGT011+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(countryamedicalorganization, native, n_{100})   fof(query$_{11}$, conjecture)

AGT011+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(countryamedicalorganization, native, n_{100})   fof(query$_{11}$, conjecture)

AGT012+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(muslimcountrybhumanitarianorganization, christian, n_{24})   fof(query$_{12}$, conjecture)

AGT012+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(muslimcountrybhumanitarianorganization, christian, n_{24})   fof(query$_{12}$, conjecture)

AGT013+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(muslimcountrybhumanitarianorganization, christian, n_{25})   fof(query$_{13}$, conjecture)

AGT013+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')

include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\neg$ accept_population(muslimcountrybhumanitarianorganization, christian, n_{25})   fof(query$_{13}$, conjecture)

AGT014+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y, z$: $\neg$ accept_population(x, y, z) fof(query$_{14}$, conjecture)

AGT014+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y, z$: $\neg$ accept_population(x, y, z) fof(query$_{14}$, conjecture)

AGT015+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y$: $\neg$ accept_city(x, y) fof(query$_{15}$, conjecture)

AGT015+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y$: $\neg$ accept_city(x, y) fof(query$_{15}$, conjecture)

AGT016+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y$: $\neg$ accept_population(muslimcountrybhumanitarianorganization, x, y)   fof(query$_{16}$, conjecture)

AGT016+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y$: $\neg$ accept_population(muslimcountrybhumanitarianorganization, x, y)   fof(query$_{16}$, conjecture)

AGT017+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x$: $\neg$ accept_city(muslimcountrybhumanitarianorganization, x)   fof(query$_{17}$, conjecture)

AGT017+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')

$\exists x: \neg \, \text{accept\_city}(\text{muslimcountrybhumanitarianorganization}, x)$ \qquad fof(query$_{17}$, conjecture)

AGT018+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \, \text{accept\_population}(x, \text{christian}, n_{24})$ \qquad fof(query$_{18}$, conjecture)

AGT018+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \, \text{accept\_population}(x, \text{christian}, n_{24})$ \qquad fof(query$_{18}$, conjecture)

AGT019+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \, \text{accept\_population}(x, y, n_{24})$ \qquad fof(query$_{19}$, conjecture)

AGT019+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \, \text{accept\_population}(x, y, n_{24})$ \qquad fof(query$_{19}$, conjecture)

AGT020+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \, \text{accept\_population}(x, \text{christian}, y)$ \qquad fof(query$_{20}$, conjecture)

AGT020+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \, \text{accept\_population}(x, \text{christian}, y)$ \qquad fof(query$_{20}$, conjecture)

AGT021+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \, \text{accept\_city}(x, \text{sunsetpoint})$ \qquad fof(query$_{21}$, conjecture)

AGT021+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \, \text{accept\_city}(x, \text{sunsetpoint})$ \qquad fof(query$_{21}$, conjecture)

AGT022+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')

include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \text{accept\_population}(x, \text{native}, y)$ fof(query$_{22}$, conjecture)

AGT022+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \text{accept\_population}(x, \text{native}, y)$ fof(query$_{22}$, conjecture)

AGT023+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \text{accept\_city}(x, \text{citya})$ fof(query$_{23}$, conjecture)

AGT023+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \text{accept\_city}(x, \text{citya})$ fof(query$_{23}$, conjecture)

AGT024+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \text{accept\_population}(x, \text{christian}, n_{25})$ fof(query$_{24}$, conjecture)

AGT024+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x: \neg \text{accept\_population}(x, \text{christian}, n_{25})$ fof(query$_{24}$, conjecture)

AGT025+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \text{accept\_population}(x, y, n_{25})$ fof(query$_{25}$, conjecture)

AGT025+2.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \text{accept\_population}(x, y, n_{25})$ fof(query$_{25}$, conjecture)

AGT026+1.p Problem for the CPlanT system
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \text{accept\_population}(x, y, n_{100})$ fof(query$_{26}$, conjecture)

AGT026+2.p Problem for the CPlanT system

include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')
include('Axioms/NUM005+0.ax')
include('Axioms/NUM005+1.ax')
$\exists x, y: \neg \, \text{accept\_population}(x, y, n_{100})$ fof(query$_{26}$, conjecture)

AGT027∧1.p Two different degrees of belief
include('Axioms/LCL013ˆ0.ax')
a_1: \$i → \$i → \$o   thf(a_1, type)
a_2: \$i → \$i → \$o   thf(a_2, type)
a: mu   thf(a, type)
tom: mu   thf(tom, type)
p: mu → \$i → \$o   thf(p, type)
q: mu → \$i → \$o   thf(q, type)
r: mu → \$i → \$o   thf(r, type)
s: mu → \$i → \$o   thf(s, type)
mvalid@(mforall_ind@λx: mu: (mbox@a_2@(mimplies@(mdia@a_2@(q@x))@(p@x))))   thf(axiom_a$_1$, axiom)
mvalid@(mforall_ind@λx: mu: (mbox@a_1@(mimplies@(mand@(r@x)@(s@x))@(q@x))))   thf(axiom_a$_2$, axiom)
mvalid@(mforall_ind@λx: mu: (mbox@a_1@(mimplies@(s@x)@(mbox@a_1@(r@x)))))   thf(axiom_a$_3$, axiom)
mvalid@(mdia@a_1@(s@a))   thf(axiom_a$_4$, axiom)
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_1@phi)@(mnot@(mbox@a_1@(mnot@phi)))))   thf(axiom_D_for_
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_2@phi)@(mnot@(mbox@a_2@(mnot@phi)))))   thf(axiom_D_for_
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_2@phi)@(mbox@a_1@phi)))   thf(axiom_I_for_a2_a$_1$, axiom)
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_1@phi)@(mbox@a_1@(mbox@a_1@phi))))   thf(axiom_4s_for_a1_a
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_1@phi)@(mbox@a_2@(mbox@a_1@phi))))   thf(axiom_4s_for_a1_a
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_2@phi)@(mbox@a_1@(mbox@a_2@phi))))   thf(axiom_4s_for_a2_a
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_2@phi)@(mbox@a_2@(mbox@a_2@phi))))   thf(axiom_4s_for_a2_a
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mnot@(mbox@a_1@phi))@(mbox@a_1@(mnot@(mbox@a_1@phi)))))   thf(
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mnot@(mbox@a_2@phi))@(mbox@a_2@(mnot@(mbox@a_2@phi)))))   thf(
mvalid@(mexists_ind@λx: mu: (mbox@a_1@(p@x)))   thf(conj, conjecture)

AGT027∧2.p Two different degrees of belief
include('Axioms/LCL013ˆ0.ax')
a_1: \$i → \$i → \$o   thf(a_1, type)
a_2: \$i → \$i → \$o   thf(a_2, type)
a: mu   thf(a, type)
tom: mu   thf(tom, type)
p: mu → \$i → \$o   thf(p, type)
q: mu → \$i → \$o   thf(q, type)
r: mu → \$i → \$o   thf(r, type)
s: mu → \$i → \$o   thf(s, type)
mvalid@(mforall_ind@λx: mu: (mbox@a_2@(mimplies@(mdia@a_2@(q@x))@(p@x))))   thf(axiom_a$_1$, axiom)
mvalid@(mforall_ind@λx: mu: (mbox@a_1@(mimplies@(mand@(r@x)@(s@x))@(q@x))))   thf(axiom_a$_2$, axiom)
mvalid@(mforall_ind@λx: mu: (mbox@a_1@(mimplies@(s@x)@(mbox@a_1@(r@x)))))   thf(axiom_a$_3$, axiom)
mvalid@(mdia@a_1@(s@a))   thf(axiom_a$_4$, axiom)
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_2@phi)@(mbox@a_1@phi)))   thf(axiom_I_for_a2_a$_1$, axiom)
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_1@phi)@(mbox@a_1@(mbox@a_1@phi))))   thf(axiom_4s_for_a1_a
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_1@phi)@(mbox@a_2@(mbox@a_1@phi))))   thf(axiom_4s_for_a1_a
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_2@phi)@(mbox@a_1@(mbox@a_2@phi))))   thf(axiom_4s_for_a2_a
mvalid@(mforall_prop@λphi: \$i → \$o: (mimplies@(mbox@a_2@phi)@(mbox@a_2@(mbox@a_2@phi))))   thf(axiom_4s_for_a2_a
mvalid@(mexists_ind@λx: mu: (mbox@a_1@(p@x)))   thf(conj, conjecture)

AGT042+1.p Axioms for CPlanT
include('Axioms/AGT001+0.ax')
include('Axioms/AGT001+1.ax')
include('Axioms/AGT001+2.ax')