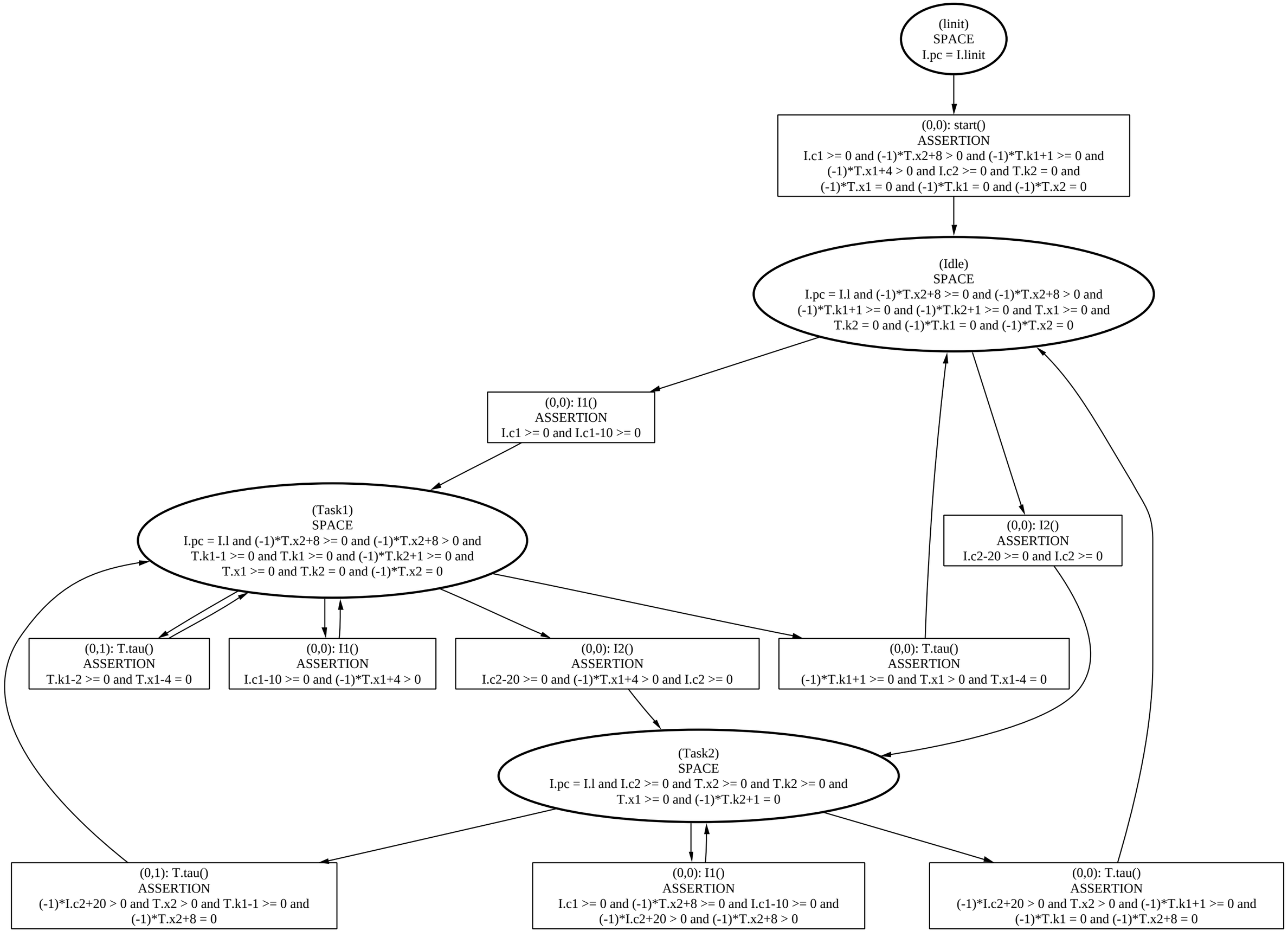
(linit)
SPACE
I.pc = I.linit
(0,0): start()
ASSERTION
I.c1 >= 0 and (-1)*T.x2+8 > 0 and (-1)*T.k1+1 >= 0 and
(-1)*T.x1+4 > 0 and I.c2 >= 0 and T.k2 = 0 and
(-1)*T.x1 = 0 and (-1)*T.k1 = 0 and (-1)*T.x2 = 0
(Idle)
SPACE
I.pc = I.l and (-1)*T.x2+8 >= 0 and (-1)*T.x2+8 > 0 and
(-1)*T.k1+1 >= 0 and (-1)*T.k2+1 >= 0 and T.x1 >= 0 and
T.k2 = 0 and (-1)*T.k1 = 0 and (-1)*T.x2 = 0
(0,0): I1()
ASSERTION
I.c1 >= 0 and I.c1-10 >= 0
(Task1)
SPACE
I.pc = I.l and (-1)*T.x2+8 >= 0 and (-1)*T.x2+8 > 0 and
T.k1-1 >= 0 and T.k1 >= 0 and (-1)*T.k2+1 >= 0 and
T.x1 >= 0 and T.k2 = 0 and (-1)*T.x2 = 0
(0,0): I2()
ASSERTION
I.c2-20 >= 0 and I.c2 >= 0
(0,1): T.tau()
ASSERTION
T.k1-2 >= 0 and T.x1-4 = 0
(0,0): I1()
ASSERTION
I.c1-10 >= 0 and (-1)*T.x1+4 > 0
(0,0): I2()
ASSERTION
I.c2-20 >= 0 and (-1)*T.x1+4 > 0 and I.c2 >= 0
(0,0): T.tau()
ASSERTION
(-1)*T.k1+1 >= 0 and T.x1 > 0 and T.x1-4 = 0
(Task2)
SPACE
I.pc = I.l and I.c2 >= 0 and T.x2 >= 0 and T.k2 >= 0 and
T.x1 >= 0 and (-1)*T.k2+1 = 0
(0,1): T.tau()
ASSERTION
(-1)*I.c2+20 > 0 and T.x2 > 0 and T.k1-1 >= 0 and
(-1)*T.x2+8 = 0
(0,0): I1()
ASSERTION
I.c1 >= 0 and (-1)*T.x2+8 >= 0 and I.c1-10 >= 0 and
(-1)*I.c2+20 > 0 and (-1)*T.x2+8 > 0
(0,0): T.tau()
ASSERTION
(-1)*I.c2+20 > 0 and T.x2 > 0 and (-1)*T.k1+1 >= 0 and
(-1)*T.k1 = 0 and (-1)*T.x2+8 = 0