```
carol
  +opt(role(customer))
  +opt(role(buyer))
  +org(rea(carol,customer))
  +opt(send(true,tell,org(rea(carol,customer))))
  -opt(role(customer))
 s_0
  +org(norm(carol,customer,obliged,bel(registered(carol)),bel(verified(carol))))
  +opt(obj(bel(registered(carol))))
  +opt(norm(customer,obliged,bel(registered(carol)),bel(verified(carol))))
  +sent(bob,org(rea(carol,customer)))
 s_1
  +sent(sally,org(rea(carol,customer)))
 s_2
  +om(org(rea(bob, customer)))
  +om(org(rea(mike,manager)))
  +org(norm(bob,customer,obliged,bel(registered(bob)),bel(verified(bob))))
  +sent(mike,org(rea(carol,customer)))
 s_3
  +om(org(rea(sally,customer)))
  +org(norm(sally,customer,obliged,bel(registered(sally)),bel(verified(sally))))
  +goal(registered(carol))
 s_4+om(org(rea(bob,buyer)))
  +org(norm(bob,buyer,obliged,bel(verified(bob)),bel(bid(bob,Item))))
  -org(norm(bob,customer,obliged,bel(registered(bob)),bel(verified(bob))))
  -opt(obj(registered(bob)))
  -opt(norm(customer,obliged,bel(registered(bob)),bel(verified(bob))))
  -org(norm(sally,customer,obliged,bel(registered(sally)),bel(verified(sally))))
  -opt(obj(registered(sally)))
  -opt(norm(customer,obliged,bel(registered(sally)),bel(verified(sally))))
   +org(norm(mike,manager,forbidden,bel(verified(bob)),false))
  -org(norm(carol,customer,obliged,bel(registered(carol)),bel(verified(carol))))
  -opt(obj(registered(carol)))
  -opt(norm(customer,obliged,bel(registered(carol)),bel(verified(carol))))
  +org(rea(carol,buyer))
  +opt(send(true,tell,org(rea(carol,buyer))))
  -opt(role(buyer))
 s_6
  +org(norm(carol,buyer,obliged,bel(verified(carol)),bel(bid(carol,Item))))
  +opt(obj(bel(verified(carol))))
  +opt(norm(buyer,obliged,bel(verified(carol)),bel(bid(carol,_14517841))))
  +opt(send(manager,achieve,bel(verified(carol))))
  +sent(bob,org(rea(carol,buyer)))
 S_7
  +sent(sally,org(rea(carol,buyer)))
 s_8
  +sent(mike,org(rea(carol,buyer)))
 s_9
  +sent(mike,opt(obj(bel(verified(carol)))))
s_{10}
  +om(org(rea(sally,seller)))
  +org(norm(sally,seller,obliged,bel(verified(sally)),bel(auction(sally,Item))))
  +om(bel(verified(carol)))
  -org(norm(carol,buyer,obliged,bel(verified(carol)),bel(bid(carol,_33185077))))
  -opt(obj(verified(carol)))
  -opt(norm(buyer,obliged,bel(verified(carol)),bel(bid(carol,_33185077))))
  -org(norm(sally,seller,obliged,bel(verified(sally)),bel(auction(sally,_8978066))))
  -opt(obj(verified(sally)))
  -opt(norm(seller,obliged,bel(verified(sally)),bel(auction(sally,_8978066))))
  +org(viol(bob,buyer,obliged,bel(verified(bob))))
  +opt(viol(bob,buyer,obliged,bel(verified(bob))))
s_{13}
  +org(norm(carol,customer,obliged,bel(paidFor('PH-lamp')),'\+'(bel(participates(carol,'PH-lamp')))))
  +opt(norm(customer,obliged,bel(paidFor('PH-lamp')),'\+'(bel(participates(carol,'PH-lamp')))))
s_{14}
  +org(viol(carol,customer,obliged,bel(paidFor('PH-lamp'))))
  +opt(viol(carol,customer,obliged,bel(paidFor('PH-lamp'))))
  +goal(paidFor('PH-lamp'))
s_{15}
  -org(norm(carol,customer,obliged,bel(paidFor('PH-lamp')),'\+'(bel(participates(carol,'PH-lamp')))))
  -opt(obj(paidFor('PH-lamp')))
  -opt(norm(customer,obliged,bel(paidFor('PH-lamp')),'\+'(bel(participates(carol,'PH-lamp')))))
s_{16}
s_{17}
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