bob

```
  +opt(role(customer))
  +opt(role(buyer))
  +org(rea(bob,customer))
  +opt(send(true,tell,org(rea(bob,customer))))
  -opt(role(customer))
```
s_0

```
  +org(norm(bob,customer,obliged,bel(registered(bob)),bel(verified(bob))))
  +opt(obj(bel(registered(bob))))
  +opt(norm(customer,obliged,bel(registered(bob)),bel(verified(bob))))
  +sent(carol,org(rea(bob,customer)))
```
s_1

```
  +om(org(rea(mike,manager)))
  +om(org(rea(carol,customer)))
  +om(org(rea(sally,customer)))
  +org(norm(carol,customer,obliged,bel(registered(carol)),bel(verified(carol))))
  +org(norm(sally,customer,obliged,bel(registered(sally)),bel(verified(sally))))
  +sent(sally,org(rea(bob,customer)))
```
s_2

```
  +sent(mike,org(rea(bob,customer)))
```
s_3

```
  +goal(registered(bob))
```
s_4

```
  +om(org(rea(sally,seller)))
  +org(norm(sally,seller,obliged,bel(verified(sally)),bel(auction(sally,Item))))
  -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))))
```
s_5

```
  -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(mike,manager,forbidden,bel(verified(bob)),false))
  +org(rea(bob,buyer))
  +opt(send(true,tell,org(rea(bob,buyer))))
  -opt(role(buyer))
```
s_6

```
  +org(norm(bob,buyer,obliged,bel(verified(bob)),bel(bid(bob,Item))))
  +opt(obj(bel(verified(bob))))
  +opt(norm(buyer,obliged,bel(verified(bob)),bel(bid(bob,_9045449))))
  +opt(send(manager,achieve,bel(verified(bob))))
  +sent(carol,org(rea(bob,buyer)))
```
s_7

```
  +sent(sally,org(rea(bob,buyer)))
```
s_8

```
  +om(org(rea(carol,buyer)))
  +org(norm(carol,buyer,obliged,bel(verified(carol)),bel(bid(carol,Item))))
  -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))))
  +sent(mike,org(rea(bob,buyer)))
```
s_9

```
  +sent(mike,opt(obj(bel(verified(bob)))))
```
s_{10}

```
  -org(norm(sally,seller,obliged,bel(verified(sally)),bel(auction(sally,_5142847))))
  -opt(obj(verified(sally)))
  -opt(norm(seller,obliged,bel(verified(sally)),bel(auction(sally,_5142847))))
  -org(norm(carol,buyer,obliged,bel(verified(carol)),bel(bid(carol,_27896887))))
  -opt(obj(verified(carol)))
  -opt(norm(buyer,obliged,bel(verified(carol)),bel(bid(carol,_27896887))))
```
s_{11}

```
  +goal(bid(bob,'PH-lamp'))
```
s_{12}

```
  +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')))))
```
s_{14}

```
  -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_{15}

s_{16}