

Agent is at hardware store (HWS). Agent has to buy milk and eggs from supermarket and return home.

Start State:

At (HWS) \wedge \neg Have (Milk) \wedge \neg Have (Eggs) \wedge
Sells (SM, Milk) \wedge Sells (SM, Eggs)

Goal State:

At (Home) \wedge Have (Milk) \wedge Have (Eggs)

Actions Available:

Op (ACTION: Go (there)
PRECOND: At (here)
EFFECT: At (there) \wedge \neg At (here))

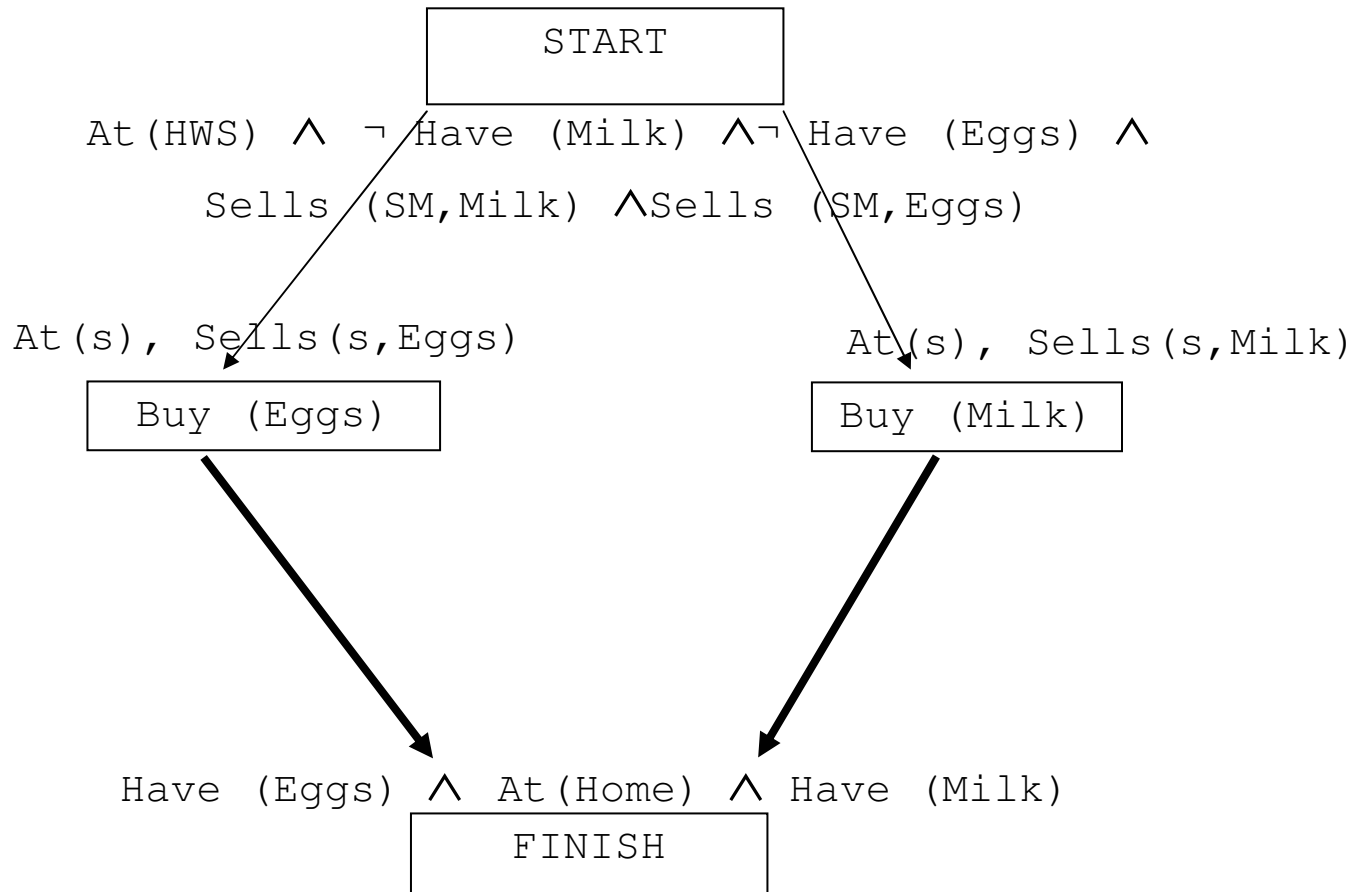
Op (ACTION: Buy (x)
PRECOND: At (store) \wedge Sells (store, x)
EFFECT: Have (x))

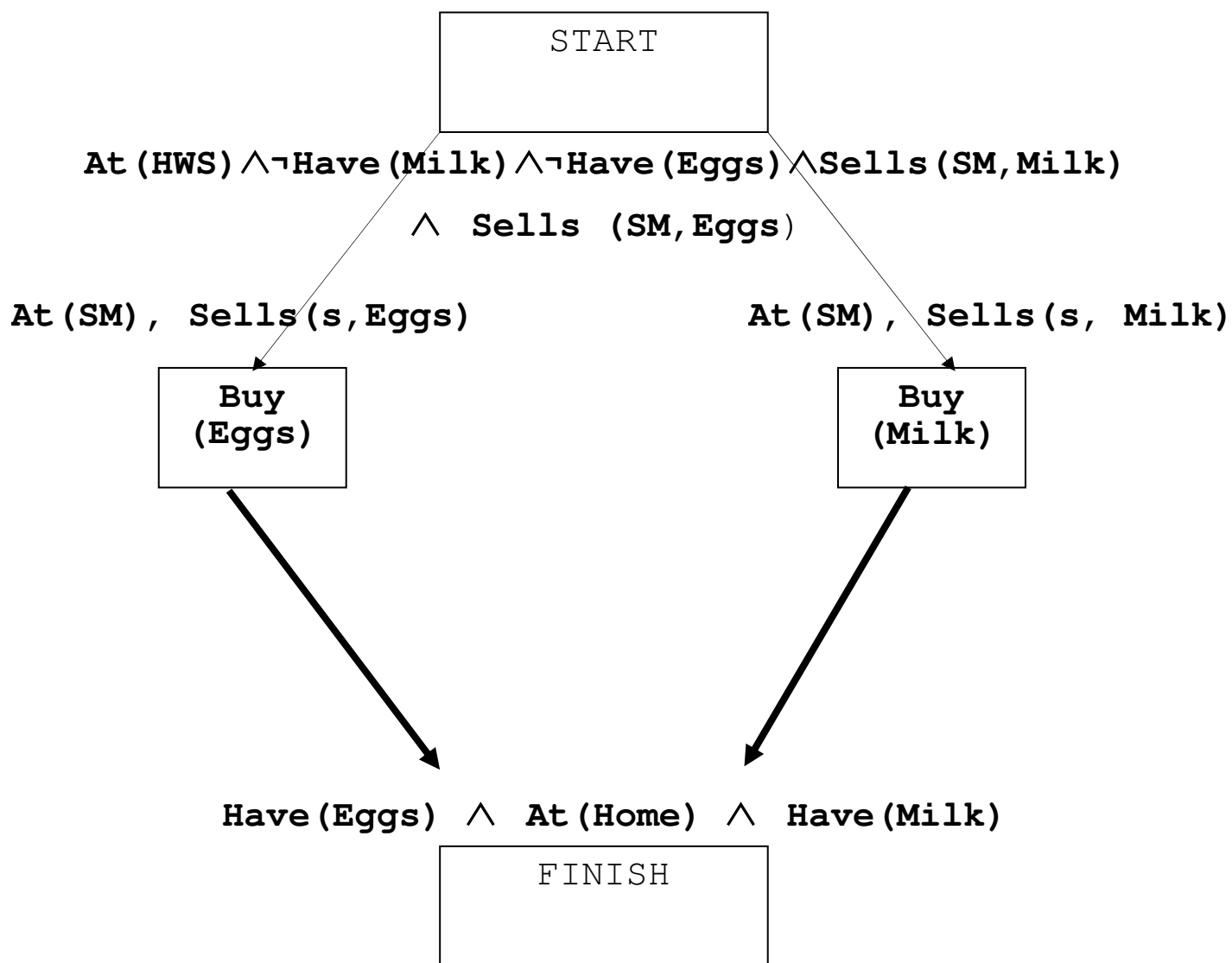
START

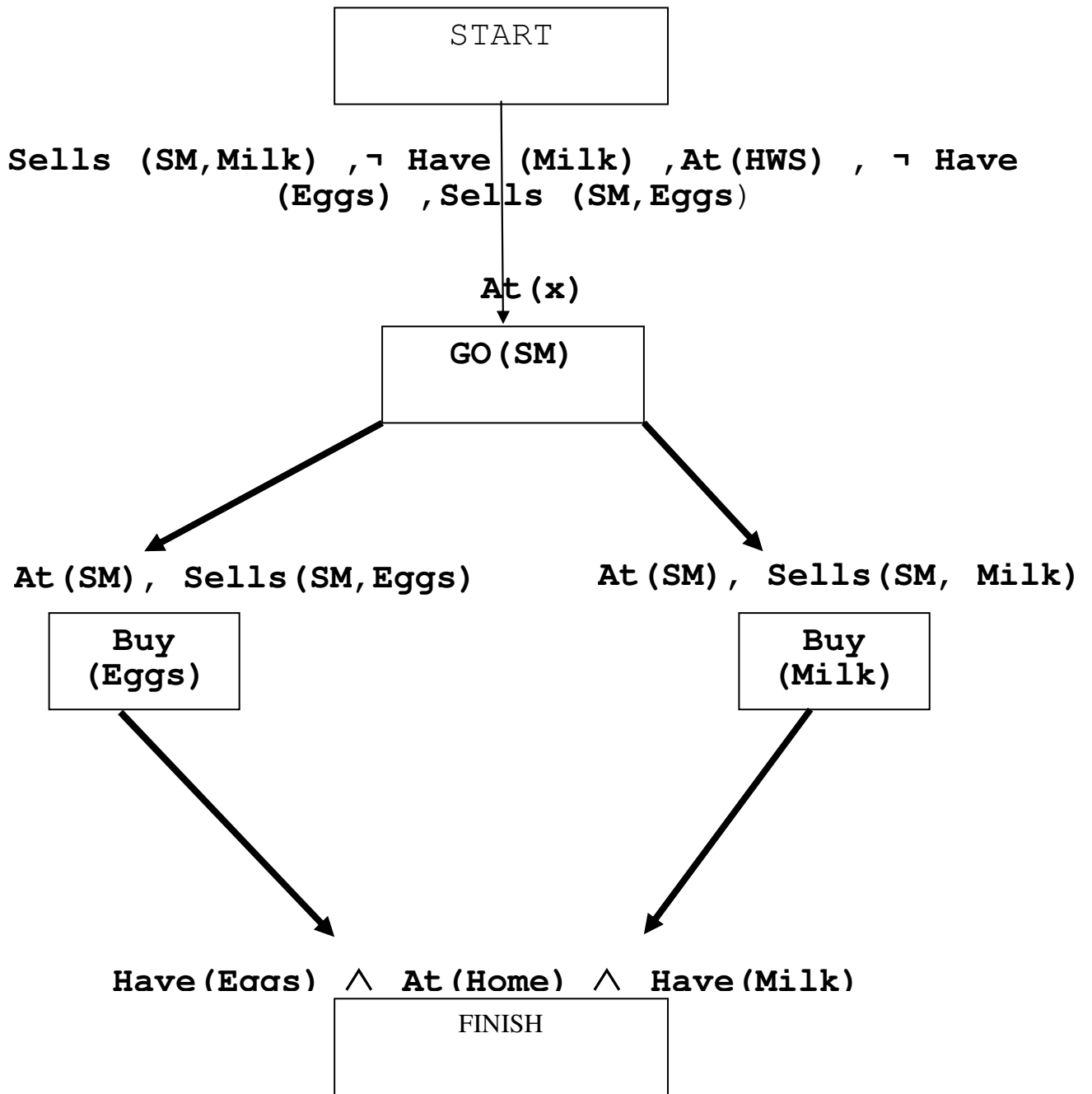
$\text{At (HWS)} \wedge \neg \text{Have (Milk)} \wedge \neg \text{Have (Eggs)} \wedge$
 $\text{Sells (SM, Milk)} \wedge \text{Sells (SM, Eggs)}$

$\text{At (Home)} \wedge \text{Have (Milk)} \wedge \text{Have (Eggs)}$

FINISH







START

Sells (SM,Milk) , \neg Have (Milk) , At (HWS) , \neg
Have (Eggs) , Sells (SM,Eggs)



\neg Have (Milk) , At (HWS) , \neg Have (Eggs)

GO (SM)

At (SM) , Sells (SM,Eggs)

Buy (Eggs)

At (SM) , Sells (SM, Milk)

Buy (Milk)

At (SM)

Go (home)

Have (Eggs) \wedge At (Home) \wedge Have (Milk)

FINISH

