You are hungry!

What do you plan to do?

Make a plan using practical reasoning.

A Shopping Plan

- Start State?
- Goal State?

A Shopping Plan

- Start State?
  At(Home)

- Goal State?
  Have(Milk) ^ Have(Banana) ^ Have(Drill)

  At(Home) ??

A Shopping Plan

- Start State?
  At(Home)

- Goal State?
  Have(Milk) ^ Have(Banana) ^ Have(Drill) ^ At(Home)

- Actions?
  - Buy(x)

  - Go(x, y)

A Shopping Plan

- Start State?
  At(Home)

- Goal State?
  Have(Milk) ^ Have(Banana) ^ Have(Drill) ^ At(Home)

- Actions?
  - Buy(x)
    - PRE: At(store), Sells(store, x)
    - EFF: Have(x)
  - Go(x, y)
    - PRE: At(x)
    - EFF: At(y),¬At(x)

A Shopping Plan Will be:

1. Go(Home,store)
2. Buy(Milk)
3. Buy(Banana)
4. Buy(Drill)
5. Go(store,Home)

- Start State?
  At(Home)
- Goal State?
  Have(Milk) ^ Have(Banana) ^ Have(Drill) ^ At(Home)
- Actions?
  - Buy(x)
    - PRE: At(store), Sells(store, x)
    - EFF: Have(x)
  - Go(x, y)
    - PRE: At(x)
    - EFF: At(y),¬At(x)