```
function CONDITIONAL-PLANNING-AGENT(percept) returns an action
  static: KB, a knowledge base (includes action descriptions)
          p, a plan, initially NoPlan
          t, a counter, initially 0, indicating time
          G, a goal

  TELL(KB, MAKE-PERCEPT-SENTENCE(percept, t))
  current ← STATE-DESCRIPTION(KB, t)
  if p = NoPlan then p ← CPOP(current, G, KB)
  if p = NoPlan or p is empty then action ← NoOp
  else
      action ← FIRST(p)
      while CONDITIONAL?(action) do
          if ASK(KB, CONDITION-PART[action]) then p ← APPEND(THEN-PART[action], REST(p))
           else p ← APPEND(ELSE-PART[action], REST(p))
          action ← FIRST(p)
      end
      p ← REST(p)
  TELL(KB, MAKE-ACTION-SENTENCE(action, t))
  t ← t + 1
  return action
```