```
function SIMPLE-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
  local variables: G, a goal
                   current, a current state description

  TELL(KB, MAKE-PERCEPT-SENTENCE(percept, t))
  current ← STATE-DESCRIPTION(KB, t)
  if p = NoPlan then
      G ← ASK(KB, MAKE-GOAL-QUERY(t))
      p ← IDEAL-PLANNER(current, G, KB)
  if p = NoPlan or p is empty then action ← NoOp
  else
      action ← FIRST(p)
      p ← REST(p)
  TELL(KB, MAKE-ACTION-SENTENCE(action, t))
  t ← t + 1
  return action
```