```
;;; -*- Mode: Lisp; Syntax: Common-Lisp; -*-
;;; Code from Paradigms of Artificial Intelligence Programming
;;; Copyright (c) 1991 Peter Norvig

(defstruct op "An operation"
  (action nil) (preconds nil) (add-list nil) (del-list nil))

(defparameter *school-ops*
  (list
    (make-op :action 'drive-son-to-school
         :preconds '(son-at-home car-works)
         :add-list '(son-at-school)
         :del-list '(son-at-home))
    (make-op :action 'shop-installs-battery
         :preconds '(car-needs-battery shop-knows-problem shop-has-money)
         :add-list '(car-works))
    (make-op :action 'tell-shop-problem
         :preconds '(in-communication-with-shop)
         :add-list '(shop-knows-problem))
    (make-op :action 'telephone-shop
         :preconds '(know-phone-number)
         :add-list '(in-communication-with-shop))
    (make-op :action 'look-up-number
         :preconds '(have-phone-book)
         :add-list '(know-phone-number))
    (make-op :action 'give-shop-money
         :preconds '(have-money)
         :add-list '(shop-has-money)
         :del-list '(have-money))))
```