Simple Shop2 Implementation

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Planning with Shop2
(defdomain (simple-uav :type pddl-domain)
 (:action takeoff
  :precondition
  (and (landed ?aircraft ?airport)
   (airport-region ?airport ?region))
  :effect
  (and (not (landed ?aircraft ?airport))
   (in ?aircraft ?region)))
)
)

Create Domain
(defparameter *simple-topology*
  '((region a)
    (region b)
    (region c)
    (airport airport-a)
    (airport-region airport-a a)
    (adj-internal a b)
    (adj-internal b c)))
Create A Problem

(make-problem 'check-takeoff
    '((,@*simple-topology*
      (aircraft uav)
      (landed uav airport-a))
    '(:ordered (!takeoff uav airport-a a)
      (!!check (in uav a))))
(find-plans 'check-takeoff :verbose :plans)
(do-problems 'take-fly-land :verbose :plans)