(define (problem flight-plan)

(:domain flight-plan)

(:objects p1 p2

f1 f2 f3 f4

d1 d2)

(:init

; pilots

(is-pilot p1) (is-pilot p2)

;days

(is-day d1) (is-day d2)

; not busy at the beginning

(not (busy p1 d1)) (not (busy p1 d2))

(not (busy p2 d1)) (not (busy p2 d2))

; Pilot's off days

(off p1 d1)

; flights

(is-flight f1) (is-flight f2) (is-flight f3) (is-flight f4)

)

(:goal (and (done f1) (done f2) (done f3) (done f4)

))

)