

Quest	ion 2 &
(-1)	Edwin T. F 7
	[AIRCRACT]
DAxim	
,,,,,,,,,	his definition 8 MAX: N
(A)	e Schoma
3(4	
	Airport
	permission : PP=12mission
	Landed: PLANDED
	Danded ≤ permission
	# landed < MAX
(a) .	
3 In	
	IntAport_
	Airport
	landed, parmisin = \$
4)	Crive Permissim
	O Aripot
	aircoatt? : AIRCRAFT
	permission aircraft? & permission
	permissin = permissin V [ aircraft?]
-	recuelanding
	A Airport
	aircraft? : Aircraft
	aircraft & Primissin
	January = lander v { aircraft ? }
	number waiting
	Aisped!
	Count : H (Parmissin   Dansed)
	Court = H( l'elmi-

Dort Count = CIMIT - CONSTOURT
ext wr contoud: [2]
Query Space () count: 8 2
pre constant = constant + 1 post com constant
ext wo
init mk - Costacking (count) & Count = NIL
Cost (out : [7]
CIMIL: N
book valua

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	WV4	tran 4 \$-
1		[ PARIENT]
-		L PAITENT]
-	:)	
		LIMIT: N
1	;;)	Patient Register
The same of the sa		reg: P PATIENT
		# neg & Limit
-	;;;)	
ing contract	111/	Init-
		Patient Register
-		Yag = ¢
-	• )	
9		and Patient
		Potro 2 Rd D Patient Regist
		Patient?: PATIENT
9		patient & reg
3		# vg < LIMIT
		reg! = reg us Patient?}
-		
	1	semove Patient
-		D Patient Rogiste
-		Patient? : PATIENT
-		Patient E reg
		18 1891: reg [Pations]
-9		getPatians
		E Patrict Pagis L
•		output!: P PATIENT
		output!= rag
4		number Rogista
3		E Patial Registore
		cout!: N
-3		count! = #10g

<u> </u>	
[Room]	
STATUS := OCCUPIED VACANT	
limit: N	
Hotel	
# room +7 STATUS	
# room & limit	
Init Hotel	
Youm = 4	
1.00.11 = 4	
Add Pecm	
1 Hotel	
406m): Room	
8? 4 Yearn	
# Yourn < limit	
YOUM = YOUM U { T! +> VACANT }	
VACANT	
Occupy Roim	
A Hotel	- 1
r? : Room	
Toom (Y?) = VACANT	
10cm = Toom @ {x! +> OCCUPIED]	
Vacant Room	
the tell	
r? : Room	
Yoom (1) = OCCUPIED	
room = room & [ 7? +> VACANT}	-
(d) occupied Court = # ( soom & { occupies )	