	Wilty table for &		
	Vitari		
	CI FUI SC	1 R(L, FL, SL)	
	di di o		And the state of t
-	al al I	0	the second secon
_	d1 d2 0	0	The second secon
	d1 d2	0	
	d1 d3 0		
	d1 d3 1 0	D	-
+	dz d1 1 1		ander alle resident en
\dashv	d2 d2	entranscense samme (i to comité d'unique and ancient annue d'un annue d'un annue d'un an anglé publiche constitue d'un des	
\parallel	- dz dv '	0	
,	d2 d3 0	0	
	dr d3		
-	dz a1 0		ency (director) finale was the employment of the committee and a committee of the committee
+	d2 d1		
\parallel	d2 d2 0	0	Proceduration was extended to the suggestion of the state of the contract of t
\parallel	a3 d2 1		
	d3 d3 0		
	d3 d3 1	0	
	Fourtons one.		, A
	Poll Flace) = R(C, FL, S)	
#	70(0)10/30	7 - 10/10/50	
+	f(C)	p(c)	
	Fr (FC, C) t	p(L) 10) = P(HC)FL,	()
1	,	/ 1	,
			n gen verte hatte om 1900 om kannere tennettelle erkentigen i villet en vertegen av det en en de sen en de ente
•	•		

0.7	Using the Variable Elimination alg, we first			
(P)				
	Sum'out (: f2(FL,SL,HL) = \(\sum_{0}(C,FL,SL)\)\(\f2\)\(\f			
	+3(+C/3C,F/C)-2 (V(C))-30/12()			
	FUISUIHUES HEE			
	d1 0 = = x0xx + = x0xx + = x1x0 = 1/6 1/6			
	= d1 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \			
	3×0×1+3×03×0+3×1×1×1/3 1/3			
	3x0x0+3x1x0+3x05x1=1/6 1/6			
	3×0×1+3×1×1+3×u5×0=1/3 1/3			
	Now, we may out SC			
	fulfl,HU) = max fz(FC,SL,HC)			
	FY HU fu(FL, HC) Politry (FL)			
	d1 5 1/3			
	$= d_1 + d_2 + d_3 + d_4 + d_$			
	dy 8 1/3			
	dy 5 1/2			
	d3 6 1/2			
	then, we sum out HC			
	fe (Te) = Inty (FL, HC)			
	15 (FC) - Lie 4			
	FU (folfu)			
	= d1 2/3			
	dr dr all			

	-			
	then, max out Fl			
	fol) = max folfor = 2/3, policy is random FL			
	Therefore, the experted probability of wiming a con is bb. b)%, and the policy is to pick the			
	first door randomly, and always switch door next.			
(C)	$P_1 = 0.8, P_2 = 0.1 \qquad P_3 = 1 - P_1 - P_2 = 0.1$			
()				
	thing, f, (U) = p(U) = C P(U)			
	d, 0.8			
	dr 0-1			
	dz 0.1			
	Some as (b), Sum out L, we get			
	fritusumu = Efold, Fusc)fritus, CHUffil)			
	FULSULHUS I HU= &			
	= di 0 0.4			
	Ol, 1 0-1 0-1			
	dr 0 0.05			
	dr 0 0.05 0.05			
	d3 1 0.05 0.05 d3 1 0.05			

Then max put SC
folto, HC) - max folto, SC, HU)
FC HU fx (FC, HC) Patroy (FC) - di S 0.4 D di & 0.4 D dr & 0.8 I dr & 0.8 I
then Sum ovn HL fs(FL) = \(\sum_{4} (FL, HL) \) =\(\frac{1}{5} (FL)
 then max out FU foll = max folfu) = 0.9 Fu
The experted phobability of ninning a car is 90%. and the policy is to pick door > 1 or door 3) first, and then Switch: