	DATE
Christian Joshva Alberto	2. compute the policy transition matrix
School Home	2. Compare the portry
Sunny +5 -5	Poul (comp): PT (1,1) = 0.5 (0.0) + 0.5 (0.0) = 0.83
Commy	PT (1,1) = 0.5 (0.8) 7 0.5 (0.8) 7 0.15
Cloudy +3	P _{TT} (1,1) = 0.5 (0.2) +0.5 (0.4) = 0.15
2 school = 5 R Home = 5+1	
C 3 0/46 0 1 [-2]	0 (21) (25/24) + 0.5 (2.3)
State Transition Matrix	$P_{\pi}(2,1) = 0.5(06) + 0.5(07) = 0.65$
	P
5 0.9 0.1	PT = 0.85 0.15
21 22	0.35 0.65
c 10.3 0.7	2 Write the Bellman expectation
P at 1 = [09 0.1]	equations (281) 281 0 = 1
P stay school = 09 0.1	VII (runny):
	V2 = 0.+ 0.9 (0.850, +0.1502)
Prohol = 0.8 0.2	V1 = 0.765 V1 + 0.135 V2
0.4 0.6	0125
1. Compute State-wire querage kna	0.235v1 - 0.175v2 = 0 [1]
under the policy	0.275 VI 0.105 VI
1.1 Find rTT for sunny	The state of the s
VTT = (05)(5) + 0.5 (-5)	VIT (chordy).
- 7.5 + (-25)	V2 = 2 to.9 (0.35, + 665, v2)
Mary 1 - (2 /200) - 1 + 0.9 0 0 0.0 1 1 - (200 1 5) 4 -	$=2+0.315v_1+0.588v_2$
1.2 Find of for coudy	V2 - 0.315 2 - 0.58 R/2
r T = 0.5(3) + 0.5(1)	- 0.715 V1 + 0.41002 = 2 <27
= 1.5+0.5	Table And price or ball and
= 2	Verland per Broad Congret Cons
1.3 Find VIT MOTIX:	(= 1) July + 1 (2) - 1
rT = [0]	
2	

4. Solve for Vy (andy) 6. S	polve for Vx (dovdy) - + Vx (Suny)
0.275 v, - 0.135 v2 = 0 (1)	-0.36 V. + 0.46 V. = 3
770 = 100 10 .235 U 10 = 135 V2	0.4602 = 3 + 0.3601
3000/V1=000.135v2 (31)-7	V2 = 3 +0.36V,
0-235	1- July 2 10-46 10-46
0-0-315V1 + 0.415V2 = 2621	
-0.315 (0.17502) + 0.415v2 = 2	= 0.2) 4, -0.19 (2+ 6.364) = 5
0. 1308-cx 0.415v2 = 2	Vx (Smy) [v] = 44.375
U. 734 V2 = 2	V2 = 3 + 0.36 (44.375)
V2 2 1.55	0.46
V, = 0.135 (155)	Vx (400dy) 500 = 41.25)
D.235 (want) 3/ 7.	Solve for glas
U. 2 4.91	10 80/ = 100/08
VT (500mg) = 21.91 VT (cloudy) = 8.3	q (1, school) = 5+0.9 (0.8 (44.575) +2 (41.26)
VI (500my) = 21.91 VI (cloudy) = 8.5	
5. Write M. Bally and and	9 (1, hone) = -5 +0.9 (0.9 (44.775 +0.1 (41.25))
5. Write the Bellman optimality equations	= 34.65625
Find Sunny (vi) uring 60 to school	q(2,5cho=1) = 3 +0.9 (0.4 (44.375) + 0.6 (4005)
V= (sunay) - 5+0,9 (0.80,+0.202)	1(2) 1010) = 41.25
= 0.28v1 - 0.18v =5	q(2, home)=1+0.9 (0.5(44,315)+0.7(41.28)
C5) 4 * 3089,0 + 4565.	278. 10117
Find cloudy us using Go t school	30767
Vx (dordy) = 3+0.9 (0.40+ 0.602)	
- 0.3-0, + 0.46 vz = 3	TO FINE WE WELLEN !
	[0] > Tiv.
	5
	· fe