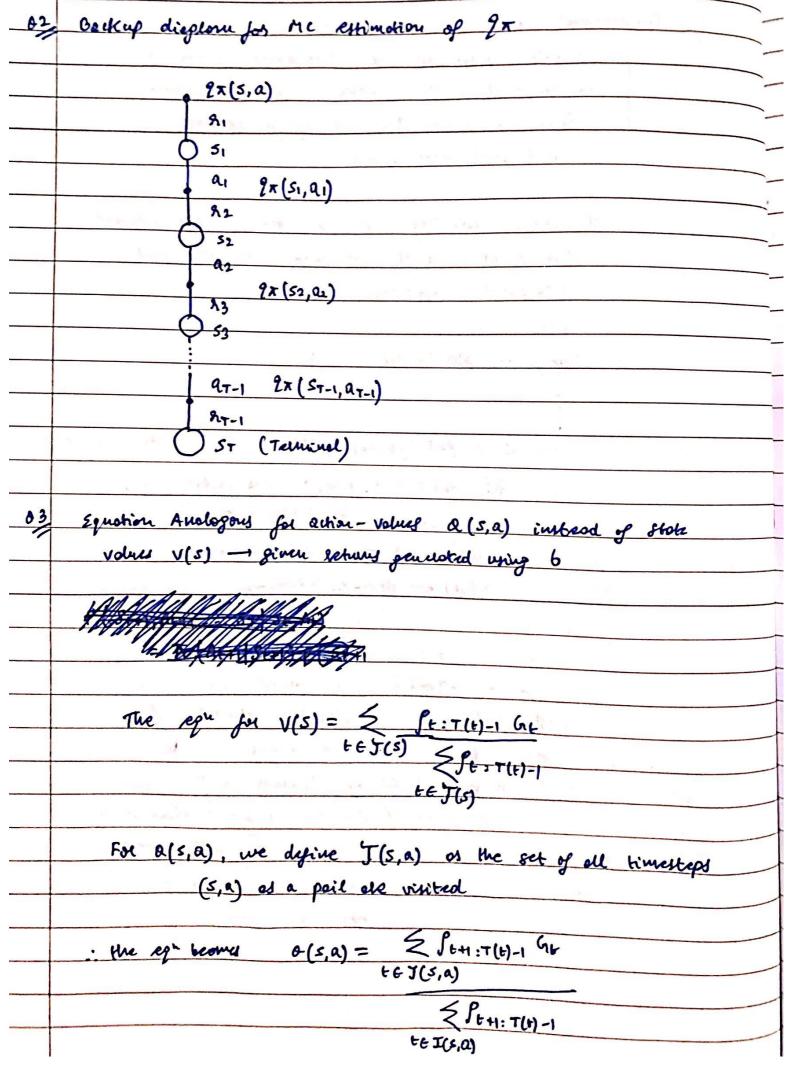
_1	Indemental update for moon calculation
	The only change in the pseudocode given is
	to recolculate the mean using its receive
	definition rather than averaging returns
	ovel ond over again.
	This con be donce by Keeping a count (St, At) voliable
	that keeps teach of how many times the pail
	(St, At) his appealed
	(SI) TOOL OFFI CONTRACTOR OF THE PARTY OF TH
	Change in pseudo code
1.	Charge in process cone
	· · · · · · · · · · · · · · · · · · ·
	unless the poil (SE, At) oppeds in SO, AO, SI, AI St-1, At-1
	Q(St, At) = Q(St, At) x Count (St, At) + Gr
	count (St. At) +1
100	court (St, At) = court (St, At) +1
	T(St) = olymax a (St, a)
	M(se) = vg -sa (v)
-	This is equivolent he
	1 1 1 2 BUM of plens out befully
	first calculating sum of plans on refulms
-	and then adding the ment & return by followed by dividing it by
	the count of the poil + (1) time it is
	me count it for her



05	As mentioned in the hint,
	considuing the sundid when I move to a new building
	and a new poshing lot but while returing home, 9
	use the Some highway.
	Fine we have already used the highway a lot of times from
	the old office - we have a good estimate of the line
	it tokes to sead home through the highway.
	Now, when I need to estimate the time to lead home from the
, , ,	new building, I con either
	a) wait for the whole epinde to and are leach home
	and use this total time to estimate the collect time
	OR
	b) I can extinct the collect time by obscuring time till
	the highway and then uning thy phenious estimate of
1	time from highway to home.
· V	
	clearly, (6) is BETTER ->: To updates one better
	And the City of Co. A and thee
06	The first spisode leads to Stalling from A and then
	ending in the left terminal state.
(	6-3 This become for all other states B, C, D
	V(St) ← V(St) + & (Rt+1 + YV(St+1) - V(St))
	oquel
	ho update
	nowever for stoke A
	$V_1(A) = V_0(A) + \propto \left[0 + \gamma(0) - V_0(A)\right]$
	$V_1(A) = (1-a) V_0(A) = (1-0.1) V_0(A)$
	V.(A)= 0.45
	Amount changed = V. (A) - V. (A) = 0.45-0.5 = -0.05

08	YRS, Q- lealning is exactly the some algorithm of SARSA
	if action-selection is greedy.
	This is TRUE by virtue of their formulations
	0(St. At) = 0(St, At) + x [Rt+1 + Y max 0(St+1, 2) - 0(St, At)]
	0-leolning ONLY
	DIFFERENCE
	Q(St, At) = Q(St, At) + & [Rt++ YQ(S', A') - Q(St, At)]
	SARSA For gheedy selection
	$a(s',a') = \max a(s',a)$
	a
	· SAME