$$\frac{1}{N} = \frac{1}{N} \sum_{i=1}^{N} G_{i,a,s}$$

$$\frac{1}{N+1} = \frac{1}{N+1} \sum_{i=1}^{N} G_{i,a,s}$$

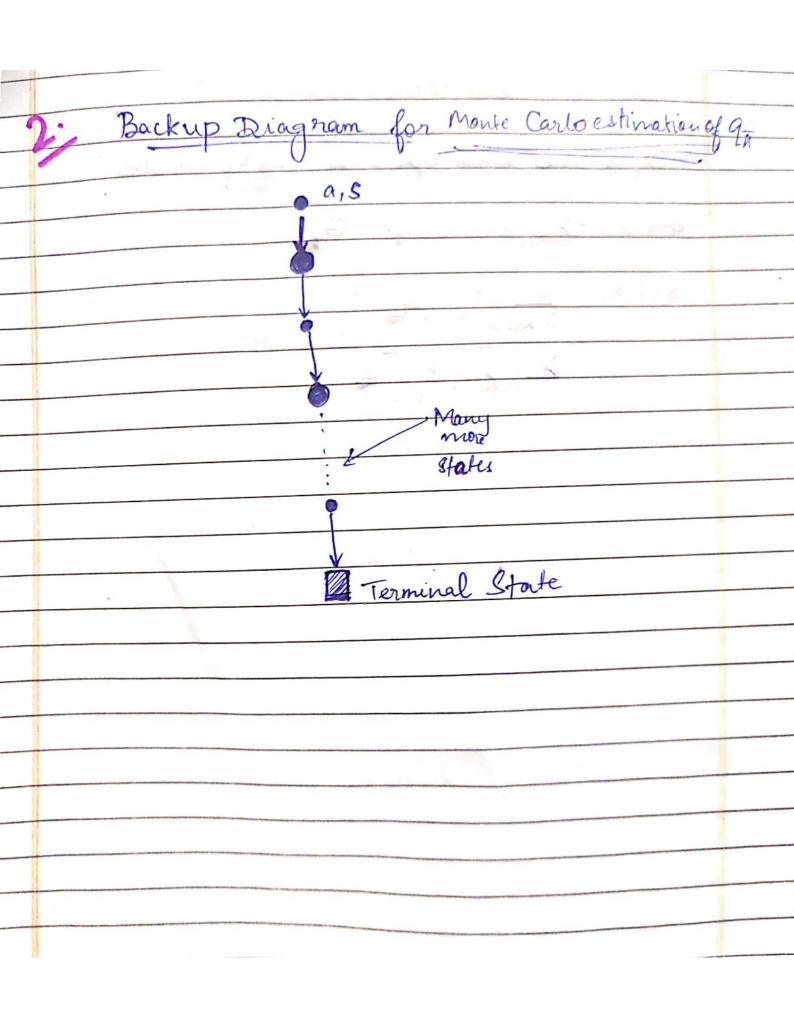
$$\frac{1}{N+1} = \frac{1}{N+1} \sum_{i=1}^{N} G_{i,a,s} + G_{n+1,a,s}$$

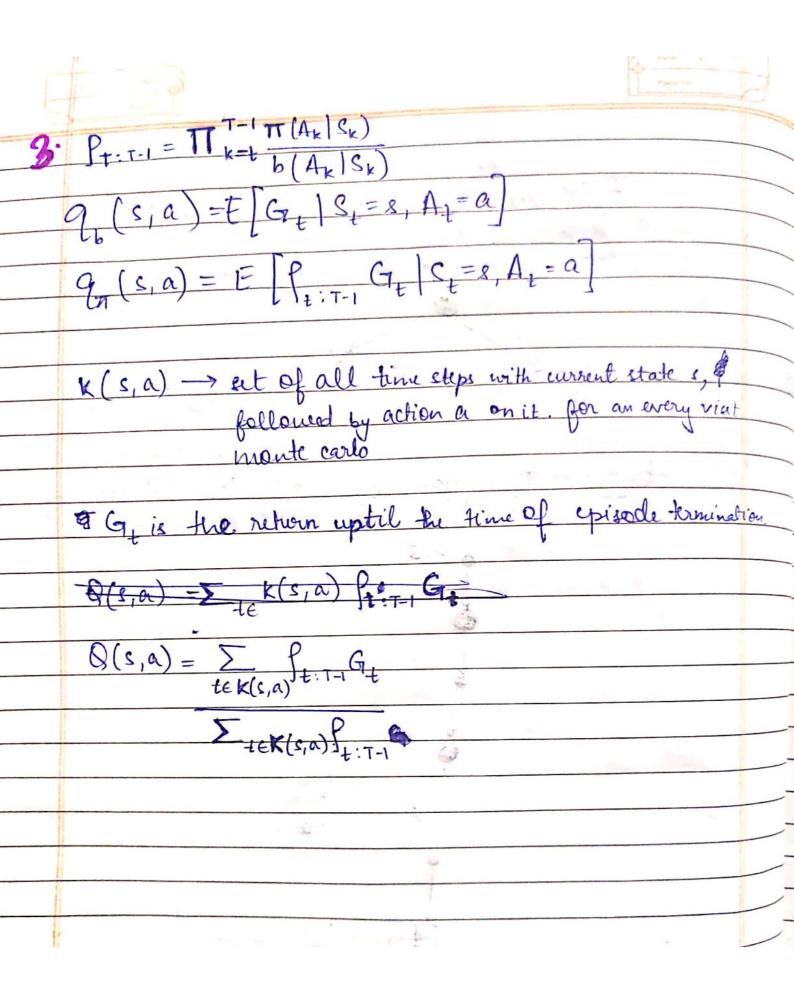
$$\frac{1}{N+1} = \frac{1}{N+1} \sum_{i=1}^{N} G_{i,a,s}$$

$$\frac{1}{N+1} = \frac{1}{N+1}$$

() a	popula
7(st) ~ argmax (s) (s) 1	
TO TO THE TOTAL TO	->
8(s, A) < 8(s, A) + 1 (G = 8(s, A))	来
Append G - B Robins St At N (S, 2) - N (S, A) +	
Unless the pain S, A, appearsin So, A, S, A, S, A	
G 2 YG +R, "	
Loop for each step of episode, t=T-1, T-2,, U:	
7	
Generale an episcole from Co, Ao, following TT: So, As, R. S. A. R.	
Chasse So E S' AD EA(So) Landonly such that all pour have probable >0	
episode)	
NCs,	
7	
Jos all ses, a EA(s)	
The feet (arbitrarily), for all ses	
Pseudocode	

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_ 5.	Exercise 6.2
	TD updates are better since, I will be able to
1	To updates are better since, I will be able to use prior knowledge of the highway and these will be incorporated with MC, as as it will note my observations after the completion of the entire journey
	will be incorporated with MC, and it will note
	my observatione after the completion of the entire
-	Joweney
-12	Warrand
	ara critical
6	6.3
	The walk must have ended in the terminal state
	with neward O.
	V(s) = V(s) + d R + V(s') = - V(s)  For all states with s' other than terminal states
_	for all states with s'other than terminal states
	N(s') must be 0.5 for episode 1. & Revard was 0
-	
-	$V(s) = 0.5 + d \left[ 0 + 0.5 - 0.5 \right]$ = 0.5
	for state A
	V(s) = 0.5 + 0 0 + 0 - 0.5 < 0.5
	= 0.5 + 0.1(-0.5)
	=0.45
	6-4
	British befor (prev chaples
	N(s) can perform better where of will
	dichara
	Also the time.
	Also the stationary nature of the problem is swied the choice of d.
	choice of d.
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Higher values of  $\alpha$ , mean a higher jump in the values of the state water at any timesty, which causes an increase in RMI.

\*\*

\*\*Solth the algorithms, make the same update in weights. If both follow a greedy policy, in a general scenario, both algorithms are same: