	CLASSTIME Page No. Date
	RL-A3
3.1	Abhisher Maiti 2016003
	2016003
03.	To make the update fundion
	efficient, he reed a step updale
	function
	Junition Oh = (St, Az) = 1 & Gi n i=1
	h i=1
	7-1
	$\frac{2}{h}\left(\frac{G_{n}+\frac{N+1}{5}G_{n}}{i}\right)$
7	n .
	= (Gh + (n-1) 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	(n-1) in
	2 1. (Gn + (n-1) 8n-1)
	$=$ $\frac{1}{2}$
	- In On-1
	A ISWAN,
	= 0n-156, may) (Sn-On(St.Ac)
M	

Scanned by CamScanner

	Now we only need to maintain the
	Now we only need to maintain the count of each time considering (St. As)
	We don't need to keep track of the
	We don't need to keep track of the previous updates.
	Psendo wal done at the end
O 2an	Radio
	Back up dragrame for 94Cs. 9), since
	(SiA)
7	2 = 1
	-5 (S' A)
The same of the sa	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	e Terminal Hat
	Monte carlo only follows one pachicilar
•	Monte carlo only follows one particular episode, there are no other branches.
•	
- Books	

Suppose all the sings trine steps in which state 's' is viseted and action la re taken be denoted by f(s,a). Then Q(S,a)= te F(S;a) EF(S(A) where Gt are the beturns and Cto. To is the importance sampling faraeneter. 200 strating from lot terass

CLASSTIME Page No. Same: than we just need to up as nest of the estimates remain same Isome Even if the action is greedy, &-learning u different from salsa because Sassa, we first ay chowse the ction based on old values and

_	
_ A .	K. A.A.
46:	Ex.6.3
	Guin that 201, and 721
	Juana 1 - I
-	We know-that
1200	the second secon
	U1C1 = 1210.5
	U(St) = UCG) + of [Pt+) + UCSter)
-	WC (c)
	it and it is a first of the second of the se
	Lugine
	We can see that out to the
	give o reward apart from when going to transition wate.
Arrive Control	aring to transition 16 to
	John Mall.
200	B Also, we initialised our value funder
100	with ort.
a.	
***	Wasse had and the
1	When we ended up in the that
ch.	lost tumaria
	left terminal state me got reward !-
4	
	Let we here supposed to get

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	7.0
,	
	10
	to the update books where.
	19 (A) 00 15 110 11
	(A) = := U(A) + O.1 [0+0-0-1]
-	:= 0.9 VCA
	= 0.9 × 0.2
	:- 0.45
1	
	to the her value if the terminal
,	the hew value if the terminal
	State in 0 45 and decreased by
	0.05.
	V
	For all the other states.
	the other states
-	2 [0]
	d Ry + V(Str) - V(S)
1	
	is o.
	Ar a
	hence no updatu.
	the state of the s
,	A COLUMN TO THE RESIDENCE OF THE PARTY OF TH

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	Exercise 6.45
	2 can be seen as the jump parame
	or the Mip-Fire, if we overshoot the
	come back hence the observed cept and down in the graph.
	John.
	Exericine 6.4
	Yes, if the 2's are begger
	we will get resente for TD(0)
,	hetwood which are worse performing [Loan MG. Monte cash. This is heecurse, & represent the jump size, and if the jump size
	jump size, and if the jump size
	is large it a harder to optimize
a.	

