Chr. Cx, 多图发展机 1. 2 3 g/E 2. 7123 emploit - explore E- greedy s MPP. (Marcoro desision Process) 1) Should be Morcone Chain (So) Ao ORI (S.) AI (R2 A2 OR) OB Search I-B, rresamed rechange B , Vseurch Scuch Search 1-2, 18 carch deli

D 12. best policy = mar fall substate policy + transfer 意思点: 好态空间 丰富芝女士曾长 作点: 北京空间十回十期当中(比直接要)望上 ex. 0-1指图: 多层出 n个有行性的品与 k 元锋,如何取舍 有更智恢复的太! (存行性的品价值不同)

包蒙针半多大体 Stre DP: 最级对结构以指导全局局员 MC: 大部队机会国特别。 on - policy: &- greedy, 重新提供 (off-policy) How to use Ex(G) to estimate Ex(G)? Pa (((Si, A: 1) 120) = Tia a (A: (Si)) (Sign (Si, A)) TITE D. (Ailsi) 一角3 重要付益生产3.

力力大又重要好生年本事

举土曾世家王汉:

$$V_n = \frac{5W^2}{2K}W_K C_K$$

$$-) V_{h+1} = V_n + \frac{W_n}{C_n}(G_n - V_n)$$

Ch3.
TD 31名 (时间差别)
2760: { MC: V(se) + V(s+1+ &(Gt-V(s+1)) (D: V(se) + V(se) + & [R+++4yV(s++1)-V(s+1)]
和此于DP,TD学用估好了更高升及蓝文值表更多的本意型, 于DK6平M1C,7D采用one-step去估好本意型。
上述为7月101.
Sarsa: on-plicy TD
To (0) for V (action):
Q(St, At) + Q(St, At) + Q(Ret) + TR(Sen, Att)-Q(Ret)
Sursa: St, At, Rttl, Sttl, Httl.

a- Rearning: off-policy TP
Q(St, At) + Q(4, At) + Q[Re+1+ ymax a & (si+1, a) - Q(5t, At)]
2 1 3 b) 9# . \$1h sarsa.
Expected Sursa:
Q(Stibe) = Q(StiAt) + x [Rt+1+ y E[Q(Star (Ata) Star]
- (2(St, At)) ← Q(St, At)+ × [Rt+1+ Y Z Z La Sty) Q(Sty, A) - O(St, At)]
超度有效的 TREE

Ch4.
DON (Deep Q-Norworks)
Q-leuming 的記書を学可用所加入
更流去 to Q-learning
Loss: L(0) = E[(Turget Q - Q(s, a; 0112)
Target Q=r+ymaxa, o(s', a'; g)
2 (Q real - Q estimated)
Q(5') 12 R + y hapt a(5', a1), a(5'(a2))
((52,01) Q(52,012) Q(52)118H)
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Policy Gradient Esta
直接更多4等略网络的DON.
L(0)= E (r,+ y/2+ y2 r3+ 2(10)).
思验:本的选一个分的已为作《军判指本子、
(085: 2(0) = E loy To(a/s, 9)f(s, a)
To Ex[f(x)] = To = panfla, Clef.
= \$ Vo P(x) flo) Swarp gum and gredfort
= = p(x) Topon for both multiply and divide by pa
= \frac{7}{2} P(x) \(\text{Volog pox)} \(\frac{1}{2} \) \(\text{ve the fact that \(\text{Volog}(\frac{1}{2}) \)} \) = \(\frac{1}{2} \) \(\text{Volog}(\frac{1}{2}) \)
-Ex [fir) Vo loy pir)] def of exp.
Off-policy version
Greedy-Go JF #D, L& Ft 3.NG
DVPG.

067.	
En	topy: 火夷方性。
	M(x) & E[](x)]= - = p(+) log = p(x)
Q DR	7.4.2
	T# = ary max E (st, at) - Pal = R(st, at)]
Mar	x-Entropy:
	70# = arymax E(st, at) mpz [\frac{7}{2} k(st, at) ealf(U)] ream Ontropy
孝養蛇 (人	图型:不遇高级作意一个有用的 action, 有目的trajectory
* 養成以	
#Excil	是型:不遇高知作意一个有用的 action, 有用的trajectory (一个策略网络 两个只图经
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	Cx: Coffe-making robot.
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	3. 5 calability
	4. Instability
	5. Optimality
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Ī	- nverse RL (15 15 32/18 2 3) aku. IRL.
	exp Soft Q Imilation
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	Pafp
	GAZL.
	other paradons:
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	Transfer Leaming

Chy. Practical Reinforcement Leurning
ORL Propect life Cycle.
try->fail->for -> fuil-> change bora-) success
3. RL project defination.
1. (201 6)
1. Sequential
2. Strategic
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Daniel Control of the
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