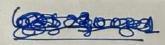
Homework: - 6 GXS230001



Rolling 1
Policy 2

dispaneraly 0.0000001 = 107

Volst) = 3 y Vt+i + = 7+4 V7 (St+1)

C-) A 100

so policy I will Satyty

ferritge is a judit. V TS = T(S/T(S)) + (V7(S(S, T(S)))

5 YET R= 1-YT

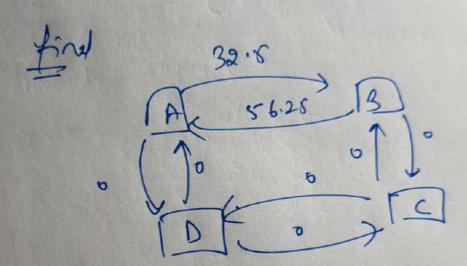
Policy 2

10 ~ 2 ≈ 90

Police & 1-1-V3=100 Policy 2 vi opamed P2 ≈100 > 0,≈90 3 optimel poly when 6.99999 T=2+8=90 $\frac{90}{1-\sqrt{2}} = \frac{30}{1-(1-10^{-2})2} \approx 30 /2.10^{-2}$ =4.5 ×10-8 Poly 2 100 = 3-33 ×108 Copied on My Said Por Potry 1 is optimal (00)

De

PISA) = 8 + Y mas \$ (s/a)



Part B

4(B1= 40+0.5 × (10+0.50(B)) = 40+5+

-0.75 V(B)=45 OBF 60

0, ~ 0x (D(A)= 10+0.5×60=40 The algo settly on fixed values after flerheating. (12/5/0 day), 12 = (40)

1 0,0 Je= 2 (018) Part 2 yaws 2.) Tital Cluster 3 and 4 3.410 Fil [(4-0)2+1012 | (4-412+(0-0)2 | (5-412+(0-0)2 | (5-412+(0-0)2 [6-812+ (02) [6-412+6-012 [6-112+(4-012 [1-212-0-012 1 (5-012+ (1-012 (5-42+ (1-012 (5-52+ (1-012 (6-512+ (1+012 2 0 (10) 36 6 (2 (8,1) 26 CH 1.2. V CI 112,3 011 9 (0+4+5 , ±) (16,0) (3, 1/3) (6,0) [C1 = 1/2] | C2 = 314]

o - Qx

(8.8,0.8) (210) Clush 2 = (410) (5,1) (6,10) Cluster 1: (0,00) (0,0) (51/3) Cluster 2: 21314 Cluste 12 1 I Same as 4 (1)] (10-0) (20-0) (20-0) & Same of 4 1,1 110 4,1 4,2 1 23 3 4,0 Part 2 2) Point 3 and 5 Cluster 2 Clusta-1 415.6 1,2,3

Point & and 6

4 (411)

6 (aib) 9

 $(4-1)^{2}+(-1)^{2}=9$ $(4-1)^{2}+(2-1)^{2}=10$ $(4-1)^{2}+(2-0)^{2}=10$ $(4-1)^{2}+(1-1)^{2}=0$ $(-4)^{2}+(1-1)^{2}=0$ $(4-4)^{2}+(1-0)^{2}=1$ $(4-4)^{2}+(1-0)^{2}=1$ $(4-4)^{2}+(1-0)^{2}=1$

 $(4-1)^{2}+(1-0)^{2}=10$ $(4-1)^{2}+(2-0)^{2}=13$ $(4-1)^{2}+(6-0)^{2}=9$ $(4-1)^{2}+(1-0)^{2}=1$ $(4-1)^{2}+(2-0)^{2}=1$ $(4-1)^{2}+(2-0)^{2}=1$ $(4-1)^{2}+(2-0)^{2}=0$ Cluster &

Clust

(1,2,4,5)

(3,6)

10042 1.)
1 2 3 4 3 9 3 9 5

9 d = 9 d = 10

0+1+1+9+10+10= 31 2 | P= 1/3) 3 P= 1/31 9 P- 9/31 P= 10/31 = 3 W-13-1-11-11 Chima 1 1,2,3. Chyd 2 = 4,5,6 Nothin will charge because the purbabily I Woshing will charge been of the probability be one of the Hour points with the largest mobability 29/31 = 0.935

٧

5

1 +

11 -

1