

The wind of the series and the series Mir Stay UNITO in MI Town Mr Policy Swilling iteration Tor stay Stay - Stay - (1)= [T(3,70,8)[R(3,70,5)+Y (3) 70 V(n)=1x(1+0.55(n)) L'alle Policy JUNO  $7_{1}(1) = \max_{\alpha} \left(1(1+0.5\times2), 1(0+0.5\times2)\right)$ 7,(1) -> Stay 1 Foul State vintour of sou Stay of KKEN Side MI(K) 3) C (50) 22) vision 5 = me

2

7\*(8) = arg max [ T(8,a,8) [R(8,a,8) + 1 + (8)] (0 = 100)

- 7\*(atti) = max (1x(ri+1xr\*(cityi), Pi(0+1xr\*(cityin)))+ (1-Pi)(0+1xr\*(cityin)) ) Pi (0+1xv (cityi+1)) + (1-Pi) (0+1xv (cityii)) = max (vi + v (cityi), v (cityi)+ -P; v\* (aty(in)) -P; v\* (atyi), v\* (atyi) + P; v\* (city(i-1)) -P; v\* (city(i)) == max ( K; + V\* (atdin) ) V\* (atdin) + Pi ( V\* (atdin)) - V\* (atdin)) , v\* (city(i)) + Pi (v\* (city(i-1)) - v\* (city(i)) to 3 minut of -ma The of (aty(i)) to into one C who ise Tri, Pi(v\*(atgiti)) - v\* (atgii)), Pi(v\*(atgii))-v\*(atgii)) In out 5 gras In 18-10 met star out of + 3ample = R(8,0,8) + Y max (8,0) - Tujer vyrasia repetivis Y=0.51 - 0 = 0.5 Q(S,a) + (1-x)Q(S,a) + & [Sample] Bample 1: (1,8tay, 4,1) 3ample 1 = 4 + Y max Q(1, a) = 4, Q(1, 3tay) + (1-0.5)Q(1,8tay)+q(4) - Q(1, Stay) = 2 /, Q(1, east) = 0, Q(2, west) = 0, Q(2, stay)=0 8 ample 2: (1, East, 0,2) Q(2,east)=(-x)Q(1,eat)+x3ample2=0 Sample 2 = 0 + Y max (2,a) = 9 - Q(1, Stay)=2, Q(1,east) =0, Q(2,west)=0, Q(2,8tay)=0

Sample 3. 
$$(2,8tay,6,2)$$
 $\Rightarrow 2anple 3. = 6 + Y max  $\alpha(2, a) = 6$ 
 $Q(2,8tay) \leftarrow (1-x) Q(5,8tay) + \alpha(2axple 3) = 3$ 
 $Q(1 tay) = 2$ ,  $Q(1,8a5t) = 0$ ,  $Q(2,8a5t) = 0$ ,  $Q(2,8tay) = 3$ 

Sample 4.  $Q(3,a,5) + YmQ(3,a) = 0 + Y max  $Q(4,a) = 1$ 
 $Q(2,8ax) = (1-x) Q(2,8a5t) + Q(2,8ax) = 0.5 \times 0 + 4 \times 1 = 0.5$ 
 $Q(1,8tay) = 2$ ,  $Q(1,8a5t) = 0$ ,  $Q(2,8ax) = 0.5 \times 0 + 4 \times 1 = 0.5$ 
 $Q(1,8tay) = 2$ ,  $Q(1,8a5t) = 0$ ,  $Q(2,8ax) = 0.5 \times 0 + 4 \times 1 = 0.5$ 
 $Q(1,8tay) = 2$ ,  $Q(1,8a5t) = 0$ ,  $Q(2,8ax) = 3$ 
 $Q(1,8tay) \leftarrow (1-x) Q(1,8tay) + X 3ample 5 = 0.5 \times 2 + 0.5 \times 5 = 3.5$ 
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(4)

Max start ( = = world Max [ri, Pi (v (attivial)) - v (attivial)), Pi (v (attivial)).v (attivial) ent Pi, vi de - an ib manx da ~ ivid de fait de 321 min so see 1 1/ 1 (attin) - It (attin) -wither the said rein the control of cation) and I se it is start