Report Rolno 1: 201910 111 C Rollno2 - 2019 115007 roll number choosen = 2019101116 X = 1-(((2019101116) 2.50 + 1)/100.) 1 = (5012101119 % + +1 1421 formula for porodo State movement propos b'(s') = & p(E|s') & p(s'|s,a) · b(s) - Belief

Belief

S is states that is accommed s'

normalizes of come from

Observational property -> Inited b = [0.33,0,6.32],0,0,0.201] Computing for 1st observation action is Right and observed is Green for (s1) = P(0=6/5:R) +1-0.95 = 0.05 0x0 +0x17 = 0-267

```
06(58) = 0.05 x (0x0.732*0.9] x 0 + 0x = to.02
 DEMPIOR SOUTH FORD + ORD )
                                           = 0 alligibles a responde reductively.
   06(S40) = 0.8 x [0x] + 0x0 + 0.93x] + 0x0
                                                                              + 0.07×0 + 0× 1 ]
                                                            = 0.248
formula for romate , splotermonarial fraction
  106(55) - 0.8 x [ 0x = 1 + 0 x 0 + 0x = 1 +0.912 x 0
          1000 21 to 21 2012 212 1
                                                                                                          + 0×0+0.07×1
                          64 de 10 10 10 10
                                            Corp. o. o. 18800, o. 880] - d lowal 6
            05[50] = 0.05. [0x = + 0x 0 + 0x = + 0x 0 + 0.92x0
                                                                                                                      + 0.93 x 5]
    200 12-16.0160 379 = (219)
after roundising

0b = [0.0021, 0.0848, 0.008, 0.019, 0.016]

0b = [0.0021, 0.0848, 0.0.05], 0.019, 0.016]
 SAFERED DIMENSION ON FIRST MET WITH THE STATE OF THE STAT
                                                                                                                                                                                                     0.028)
```

```
for action left and Observation Red
         06[Si] = 0.95 × [0.9] × 0.021 + 0.92 × 0.48 +0 × 0+ 0 × 0.45 +0 × 0.33+
  (30000 115.0.43020 100,00,1800) : 1
         Ub[52] = 0.2x[0.07x0.0021+0x'0.48+0.93+0
         + 0 x0.02 + 0 x0.02) + 0x0.02) + 0x0.282)
         ( THOU DEO I STO OKO + STBO OXO)
              06(52)= 0-95 - (0+00021+0.07 20-48+000
                           70.92 0.45 + 6x0.02 +0x0.02)
00/500 + 8081.000 + 1200.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 0.00 × 
                                                        + 0×0.4209 + 0.93×0.033+ 0×0.028)
000000
                      [ ( voo ovo 1. 15/0 0× 0
        06'(S5), 0.2 x [ 0x 0.0001 + 0x 0.4 x + 0x0 + 007 x0.4x
     + 6x0.077 (0.97 x0.028)
                               Co 0.0115 1510 0 1500
     06/(S6), 0.95×(0x0.02 +0x0.08 +0x0+0x0.000,
                                                          £0.07x0.03 +0.07x0.028]
                                                                                  E 0.0041
```

```
Ub [0.43,0,0.47,0.0063,0.0015,0.0041]
 before normalisms
 after normalising
 D= [0.087, 0, 0.48, 0.007, 10.013, 0.0046]
 For action left and observation Green
USESJ: 0.05 x [0.97 x 6.487 + 0.93 x 10+ 6x 0.487 +
             0.0×0.0012 +0×0.013 +0×0.0043)
 020 +2.0,0226 + 16000+0 ) - 21-0 - [2] 00
UB(52): 0.0x [0.07 x 0.487 + 0x 0 + 0.92x0.487
       fo → v 0.0072 + 0 € x 0.13 + 0 x 0.00 UT)
Ub'[53] = 0.05 = [ 0 x0.487 + 0.07x0+ 0x0-487 + 0.9]
                                   ×0.0072
      1120 0x180 + 102 10x0 +
               LOXO.0131 +0x0,0001)
06 (S) - 0.1x (0 x0.487 +0 x 0 + 0.07 x0.08 + 0x0.00)
         + 0.13x 0.0431+ 0x 0.0001)
```

Ub (55) = 0.8x (0x0.487 + 0x0+ 0x0.487 +0.007 × 0.0072 F 0 x0.013 + 0.93 c 0.6047) 0.0038 06(G) = 0.05 x[0x0-487+6x0+0x0-487+00-0072 + 0007 x0.013 +0.07 x0.00 0 0 aftunormalising 6 = [0.0227 0.3902 1 0.000] 0.0371 0.0007 10.0001) -) b= [0.9498, 0.8591, 0.0007, 0.0815, 0.0005 0.00017