MOL ASSIGNMENT 3.2

Question & 2

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Grid LOJ[1] = Penalty

Grid [0][2] = Goal

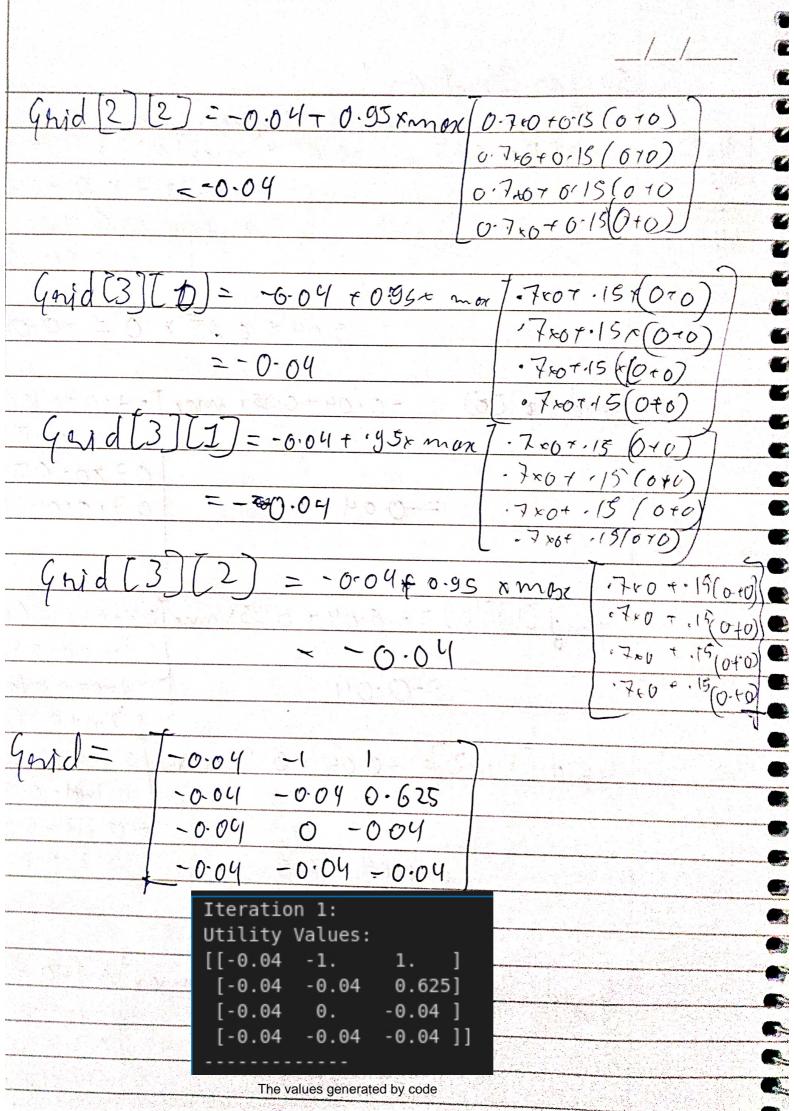
Gend[2][1] = Wall

Step cost = -0.04(i,i) = state

Y= discount Rate = 0-00:95 A = Action

0-71016415(6-10

So for Steration 1 GAND EOJEOJ = -0.04 + mox [00.7 x (1) + 0.15 x 0+0154 Right 0.7 x 0 + 0-15x 0/+6-15-0 dayin 6.7×0 +0.13×1×0.1300 left 0.7 x0+6.15 x0+6-13x0 =-0.04 + 0.95 x 0 = -0.04 Grid [10][0] = -0.04+0.051 max [0.7x0+0.15(0+0) N 0.7 x0+0.15(0+0) 07 x0+0.15 (0+0) 20.04 0-7,000.15(040 Gend [1][1] = -6.04+0.950 mox [0.7+6×0.15(6+0) 0.7x010.15xC0+6) =-0.04 6. 3 x 07 0.13 (0 to) Grid [1][2]= -0.04+0.95 xmax [67x0+0.15(1+0) 6.7.01+0.15 (0+0) -0.7x0x0.15(6r0) 6.7x0+0-15(1+0° =-0.04 +0665 = 0.625 Gend [2][0) = - 0.04 + 0.95 x max [6.7 x 0 + 0.15 (0+0) 6.7.610.13 (0+0) = -0.04 0-7,000-15(000)



그 나이 이번에 되자 돌아가 나를 하면 없는 병사가 하게 하다. 이번 그 사람들이다.	
Gy1d[0][0]=-0.04+0.95	1 max [0.7x-1+0.15 (-004+60
	0.7 *(=0.04) + 0.13 (=0.04) + (=0.04)
=-0.04-(-0.038)	0.7x(0.04) + 0.15[(0.04)+ (-1)]
= -0.078	(0.5 t(0.04) + 0.12/60.00) + 6.0
(12/10 [0] = -6.04+0.95 xmax	
= -0.04 + (-0.038)	0.7 x(004) + 0.15[60.04) + (000)]
= -6.678	G. 7x(-0.04) + 6.13 [(0.04) + (0.04)]
# 1. 그렇게 T 3	0.7x(-6.04) +0-15 (-004) + (0.04)

(rid [][1] = -0:04 +0:95 = max	6.7, 6.625+ 0.15[-1+0]
	0.7, -1 + 015[0:04-0:04]
-0.227425	07 0 70.15(-0.09 - 0.04)
	0-7-60-04)+6.12(-1+0)

(mid[1]2) = -0.04 + 0.950 man	0-7x0-625 + 0-15(1-0-04)
= -0.04 +0.7483625	0.7x1.+0:15(0.625-0.04)
=0.7083625	6-70 (0.04) + 0.15 (0.623-0.04)
	6-74-0.04) + 6.15(1-0.04)
Grid (2)[0)=-6047093×mar	0-7 × (0.04) + 6.15 (-004 - 0.04)
=-C.04+(-0.38)	0-7, (-6.04) T 0.13 (-0.04-6.04)
	O7 c (-6.04) T 0.15 (-0.04 -0.04)
=-0.78	0.7 (60.04) 7 0.15 (-0.04 -0.04)

Gard [3)[2] =-0.04 x 0.95 1 max	(0.7 £0.64) + 0.15 (.622-0.64)
	0 m (0.625) + 0.15 (-604 - 6.64)
= -0.0410.46425	0-7 x (0.625) + 0.15 (-6.64 - 6.64) 0-7 x (-0.04) + 0.15 (-6.64)
= 0-36425	6-72 (6.04) \$0.15 (-004 +.625)

///

GnidBJOJ = 6.04 + 0.95 max (07 × (-0004) 7 015 (-6.04-004) 0-7 × C-0.04) + 15 (-0.04-0.00) 0-76-(0.04) + .13 (-0.04-0.04) =-6.64+(6.038) 10°7 x (-0.04) 7 .13 (-0.04 -0.04 = -0.078 Goid(3)(1)=(-6-04) + 6.95 nnox (-7 (-0.04) 7 15 (-0.04-0.04) ·7 10.00) + .15 (-0.00-0.00) ·7 [-0.04) + 115 (-0.04-6.04) -7 (-0.04) + .15 (-0.04-0.04) =-6.047 (-0.038) = -0.078 T.7(-0.04) + 15 (-0.04-0.04) [3][2]=-004 F.95 max ·7(-6.04)+ 115 (-0.04-0.04) =-6.04+60.038) 17 (20.04) F.15 (-0.04-0.04) 2.0.078 ·7 (-0.04) + .15 (-0.04-6.04) Grid= -0078 6.227425 0.7083625 -0.078 0.36 4225 -0.078 -0-078 -6.078 -0.078 Iteration 2: Utility Values: [[-0.078 0.227425 0.7083625] [-0.078 [-0.078 0. 0.364225 1 [-0.078 -0.078 -0.078]]

The values generated by code