

Quen we call it adjacent when rows represent on set of values and rolumn represent another one.

2 Immediate

01	0	0	100
2	21	4	1

2 Adjacen E Matrix

	left	righ	t up	down
٥	- 1	1	2	-
1	0	-	3	- 1
2	-1	3	-1	0
3	2	-1	- (

9 Table

	1 Oest	right	9	10000
0	- 1	0	0	-
1	0	-1	0	-1
2	-	0	- 1	0
3	0	-1	- 1	0

Initial values 0

Selected state:0

- O selectrandom action for O:
- @ next state from corrent now that we picked up action. QMatrix[0][UP]=2
- 3) immediate reward for this = 19-immediate = 0
- (4) delayed reward = max (2 (a ble (next st))

(5) q total reward = immediate Reward + delayed reward 0+0.

@ gTable [my State] [my Action] = total greward

3 0 -1/-1/00

No Action have

trasinita i.

2 Matria[1] [up] = 3

1 Immediate reward, q-immediate=100

1 Delayed reward = max (g Table (next st]) * decay = 0 +0.9 =00

- (5) total reward = 100 +0 == 100
- 6 QTable Eng State] [my Action] = 100 g Table [1] [Up] = 100.

10/4/100/-1

Selected state: 1

- 1 random action for 1 say left
- (2) next state from corrent. qMatrioc [1] [left] = 0

from 1 to 0)

next state immediate

rewarded

3) immediate reward for 0, q-immediate = 0.

(4) Delayed reward, = max(q Table [nex+s+]) + deray = 0 * decay

3 total reward = 0

Selected State: 0

- O random action for a say right
- 2 next state from corrent, 2 Matrix [O][right] = 1
- @ Immediate reward for 1, 2-immediate = 0
- 1 Delay reward = max (gTable (nex + S+)) * de cuy = 100 + 009
- (5) total reward = (3+(9)=0+90=90)

-1	1	\	-	- 1
01	-11	90	01	- 1

Selected State: # 1

- O random action for 184, say left
- 2 next state from corrent, q Matria [1] (left) = 0
 - 3 immediate reward for 0, q-immediate = 0
- 1 Delay reward = max (grable [next st]) * deray = 90 + 0.9 = 81

1	01	-1	100	-1

Exploration