Value Iteration:

• berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpVI.py -2 0.9

of iterations: 22

• berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpVI.py -0.2 0.9

of iterations: 23

State	State Value	Policy
[1,1] [2,1] [3,1] [4,1] [1,2] [3,2] [1,3] [2,3] [2,3]	-0.305 -0.217 0.031 -0.283 -0.081 0.383 0.186 0.523 0.873	up right up left up up right right

berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpVI.py -0.01 0.9

of iterations: 23

State	State Value	Policy
[1,1]	0.501	up
[2,1]	0.429	right
[3,1]	0.502	up
[4,1]	0.277	left
[1,2]	0.594	up
[3,2]	0.623	up
[1,3]	0.690	right
[2,3]	0.812	right
[2,3]	0.939	right

Policy Iteration:

berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpPI.py -2 0.9

of iterations: 3

State	State Value	Policy
[1,1] [2,1] [3,1] [4,1] [1,2] [3,2] [1,3] [2,3] [2,3]	-7.320 -5.668 -3.678 -1.682 -6.447 -1.505 -4.563 -2.184 0.291	right right right up up right right right

• berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpPI.py -0.2 0.9

of iterations: 4

State	State Value	Policy
[1,1]	-0.305	up
[2,1]	-0.217	right
[3,1]	0.031	up
[4,1]	-0.283	left
[1,2]	-0.081	up
[3,2]	0.383	up
[1,3]	0.186	right
[2,3]	0.523	right
[2,3]	0.873	right

• berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpPI.py -0.01 0.9

of iterations: 5

State	State Value	Policy
[1,1]	0.501	up
[2,1]	0.429	right
[3,1]	0.502	up
[4,1]	0.277	left
[1,2]	0.594	up
[3,2]	0.623	up
[1,3]	0.690	right
[2,3]	0.812	right
[2,3]	0.939	right

Monte Carlo:

• berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpMC.py -2 0.9 0.1

Progress: | 100.0% Complete

State	Action Values	
[1,1] [2,1] [3,1] [4,1] [1,2] [3,2] [1,3] [2,3] [2,3]	up: -10.168, down: -09.213, left: -09.763, right: -07.898 up: -07.647, down: -07.516, left: -08.866, right: -05.995 up: -03.946, down: -05.616, left: -06.931, right: -03.889 up: -01.733, down: -03.909, left: -04.961, right: -03.446 up: -07.057, down: -09.573, left: -09.510, right: -11.720 up: -02.060, down: -04.912, left: -03.620, right: -01.559 up: -11.646, down: -09.526, left: -11.382, right: -04.993 up: -04.323, down: -05.250, left: -06.315, right: -02.542 up: -01.953, down: -03.188, left: -04.182, right: +00.228	right right right up up right right right

• berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpMC.py -0.2 0.9 0.1

Progress: | 100.0% Complete

State	Action Values		
[1,1] [2,1] [3,1] [4,1] [1,2] [3,2] [1,3] [2,3] [2,3]	up: -00.404, down: -00.562, left: -00.559, right: -00.506 up: -00.490, down: -00.486, left: -00.562, right: -00.325 up: -00.062, down: -00.330, left: -00.428, right: -00.471 up: -00.885, down: -00.535, left: -00.380, right: -00.606 up: -00.172, down: -00.534, left: -00.370, right: -00.381 up: +00.334, down: -00.317, left: +00.071, right: -00.774 up: -00.095, down: -00.300, left: -00.137, right: +00.109 up: +00.207, down: +00.195, left: -00.055, right: +00.468 up: +00.549, down: +00.163, left: +00.217, right: +00.859	up right up left up up right right	

• berry487@csel-remote-lnx-09:/home/berry487/5512/hw3 \$ python3 mdpMC.py -0.01 0.9 0.1

Progress: | 100.0% Complete

State	Action Values		
[1,1] [2,1] [3,1] [4,1] [1,2] [3,2] [1,3] [2,3] [2,3]	up: +00.461, down: +00.394, left: +00.410, right: +00.356 up: +00.347, down: +00.346, left: +00.387, right: +00.369 up: +00.441, down: +00.351, left: +00.355, right: +00.213 up: -00.745, down: +00.183, left: +00.218, right: +00.045 up: +00.557, down: +00.417, left: +00.483, right: +00.485 up: +00.597, down: +00.252, left: +00.508, right: -00.682 up: +00.585, down: +00.514, left: +00.565, right: +00.657 up: +00.690, down: +00.691, left: +00.597, right: +00.786 up: +00.817, down: +00.559, left: +00.682, right: +00.930	up left up left up up right right	