A D)	State (3, 1, 2) V = -1.5 Best Action: A3	State (5, 2, 2) V = -2.5 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No	State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 4) V = 88.5 Best Action: A2
Ans B) Iteration 1:	State (3, 1, 3) V = -2.0 Best Action: A3 State (3, 1, 4) V = -2.0 Best Action: A3	State (5, 2, 3) V = -3.0 Best Action: A3 State (5, 2, 4) V = -3.0 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action
State (1, 1, 1) V = -0.5 Best Action: A3 State (1, 1, 2) V = -0.5 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = -2.5 Best Action: A3 State (5, 3, 2) V = -2.5 Best Action: A3	Action State (2, 4, 1) V = 93.5 Best Action: A4	Action State (4, 5, 1) V = 98.0 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action
State (1, 1, 3) V = -1.0 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 93.0 Best Action: A2 State (5, 3, 4) V = -3.0 Best Action: A3	State (2, 4, 2) V = 93.5 Best Action: A3 State (2, 4, 3) V = 93.0 Best Action: A3	State (4, 5, 2) V = 98.0 Best Action: A3 State (4, 5, 3) V = 97.5 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action
State (1, 1, 4) V = -1.0 Best Action: A3 State (1, 2, 1) V = -0.5 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 98.5 Best Action: A1 State (5, 4, 2) V = 97.5 Best Action: A3	State (2, 4, 4) V = 94.0 Best Action: A1 State (2, 5, 1) V = -4.5 Best Action: A3	State (4, 5, 4) V = 98.5 Best Action: A1 State (5, 1, 1) V = 90.5 Best Action: A2	State (2, 2, 4) V = -100000 Best Action: No Action
State (1, 2, 2) V = -0.5 Best Action: A3 State (1, 2, 3) V = -1.0 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 98.0 Best Action: A4	State (2, 5, 2) V = 92.0 Best Action: A1	State (5, 1, 2) V = 89.5 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No
State (1, 2, 4) V = -1.0 Best Action: A3 State (1, 3, 1) V = -0.5 Best Action: A3	State (3, 3, 1) V = -1.5 Best Action: A3	State (5, 4, 4) V = 98.0 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = 91.5 Best Action: A3 State (2, 5, 4) V = 91.5 Best Action: A4 State (2, 1, 1) V = 1.5 Best Action: A3	State (5, 1, 3) V = 90.0 Best Action: A4 State (5, 1, 4) V = 90.0 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No
State (1, 3, 2) V = -0.5 Best Action: A3 State (1, 3, 3) V = -1.0 Best Action: A3	State (3, 3, 2) V = -1.5 Best Action: A3 State (3, 3, 3) V = -2.0 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = -4.5 Best Action: A3 State (3, 1, 2) V = -4.5 Best Action: A3	State (5, 2, 1) V = 91.0 Best Action: A1 State (5, 2, 2) V = 90.0 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No
State (1, 3, 4) V = -1.0 Best Action: A3 State (1, 4, 1) V = -0.5 Best Action: A3	State (3, 3, 4) V = -2.0 Best Action: A3 State (3, 4, 1) V = -1.5 Best Action: A3	State (5, 5, 4) V = 100 Best Action: No Action Iteration 4:	State (3, 1, 3) V = -5.0 Best Action: A3 State (3, 1, 4) V = -5.0 Best Action: A3	State (5, 2, 3) V = 90.5 Best Action: A4 State (5, 2, 4) V = 90.5 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No
State (1, 4, 2) V = -0.5 Best Action: A3 State (1, 4, 3) V = -1.0 Best Action: A3	State (3, 4, 2) V = -1.5 Best Action: A3 State (3, 4, 3) V = -2.0 Best Action: A3	State (1, 1, 1) V = -3.5 Best Action: A3 State (1, 1, 2) V = -3.5 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = 92.5 Best Action: A3 State (5, 3, 2) V = 92.5 Best Action: A4	Action State (2, 4, 1) V = 93.5 Best Action: A4
State (1, 4, 4) V = -1.0 Best Action: A3 State (1, 5, 1) V = -0.5 Best Action: A3	State (3, 4, 4) V = -2.0 Best Action: A3 State (3, 5, 1) V = 97.5 Best Action: A4	State (1, 1, 3) V = -4.0 Best Action: A3 State (1, 1, 4) V = -4.0 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 93.0 Best Action: A2 State (5, 3, 4) V = 92.0 Best Action: A3	State (2, 4, 2) V = 93.5 Best Action: A3 State (2, 4, 3) V = 93.0 Best Action: A3
State (1, 5, 2) V = -0.5 Best Action: A3 State (1, 5, 3) V = -1.0 Best Action: A3	State (3, 5, 2) V = 97.5 Best Action: A3 State (3, 5, 3) V = 97.0 Best Action: A3	State (1, 2, 1) V = -3.5 Best Action: A3 State (1, 2, 2) V = -3.5 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 98.5 Best Action: A1 State (5, 4, 2) V = 97.5 Best Action: A3	State (2, 4, 4) V = 94.0 Best Action: A1 State (2, 5, 1) V = 91.0 Best Action: A3
State (1, 5, 4) V = -1.0 Best Action: A3 State (2, 1, 1) V = -0.5 Best Action: A3	State (3, 5, 4) V = 98.0 Best Action: A2 State (4, 1, 1) V = -1.5 Best Action: A3	State (1, 2, 3) V = -4.0 Best Action: A3 State (1, 2, 4) V = -4.0 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 98.0 Best Action: A4 State (5, 4, 4) V = 98.0 Best Action: A3	State (2, 5, 2) V = 92.0 Best Action: A1 State (2, 5, 3) V = 91.5 Best Action: A3
State (2, 1, 2) V = -0.5 Best Action: A3 State (2, 1, 3) V = -1.0 Best Action: A3	State (4, 1, 2) V = -1.5 Best Action: A3 State (4, 1, 3) V = -2.0 Best Action: A3	State (1, 3, 1) V = -3.5 Best Action: A3 State (1, 3, 2) V = -3.5 Best Action: A3	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = 94.5 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = 91.5 Best Action: A4 State (3, 1, 1) V = 88.5 Best Action: A4
State (2, 1, 4) V = -1.0 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -2.0 Best Action: A3 State (4, 2, 1) V = -1.5 Best Action: A3	State (1, 3, 3) V = -4.0 Best Action: A3 State (1, 3, 4) V = -4.0 Best Action: A3	State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 3, 4) V = 95.0 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = 88.5 Best Action: A3 State (3, 1, 3) V = 88.0 Best Action: A3
Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = -1.5 Best Action: A3 State (4, 2, 3) V = -2.0 Best Action: A3	State (1, 4, 1) V = -3.5 Best Action: A3 State (1, 4, 2) V = -3.5 Best Action: A3	State (3, 4, 1) V = 96.0 Best Action: A1 State (3, 4, 2) V = 95.0 Best Action: A3	Iteration 7: State (1, 1, 1) V = 89.5 Best Action: A1	State (3, 1, 4) V = 89.0 Best Action: A1 State (3, 2, 1) V = -100000 Best Action: No
Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = -2.0 Best Action: A3 State (4, 3, 1) V = -1.5 Best Action: A3	State (1, 4, 3) V = -4.0 Best Action: A3 State (1, 4, 4) V = 93.5 Best Action: A2	State (3, 4, 3) V = 95.5 Best Action: A4 State (3, 4, 4) V = 95.5 Best Action: A3	State (1, 1, 2) V = -6.5 Best Action: A3 State (1, 1, 3) V = 89.0 Best Action: A4	Action State (3, 2, 2) V = -100000 Best Action: No
Action State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 2) V = -1.5 Best Action: A3 State (4, 3, 3) V = -2.0 Best Action: A3	State (1, 5, 1) V = -3.5 Best Action: A3 State (1, 5, 2) V = -3.5 Best Action: A3	State (3, 5, 1) V = 97.5 Best Action: A4 State (3, 5, 2) V = 97.5 Best Action: A3	State (1, 1, 4) V = 89.0 Best Action: A3 State (1, 2, 1) V = 91.0 Best Action: A2	Action State (3, 2, 3) V = -100000 Best Action: No
Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = -2.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 3) V = -4.0 Best Action: A3 State (1, 5, 4) V = -4.0 Best Action: A3	State (3, 5, 3) V = 97.0 Best Action: A3 State (3, 5, 4) V = 98.0 Best Action: A2	State (1, 2, 2) V = 90.0 Best Action: A3 State (1, 2, 3) V = 90.5 Best Action: A4	Action State (3, 2, 4) V = -100000 Best Action: No
Action State (2, 3, 2) V = -100000 Best Action: No	Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = -3.5 Best Action: A3 State (2, 1, 2) V = -3.5 Best Action: A3	State (4, 1, 1) V = 91.0 Best Action: A2 State (4, 1, 2) V = -4.5 Best Action: A3	State (1, 2, 4) V = 90.5 Best Action: A3 State (1, 3, 1) V = 91.5 Best Action: A1	Action State (3, 3, 1) V = 95.5 Best Action: A2
Action State (2, 3, 3) V = -100000 Best Action: No	Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = -4.0 Best Action: A3 State (2, 1, 4) V = -4.0 Best Action: A3	State (4, 1, 3) V = 90.5 Best Action: A4 State (4, 1, 4) V = 90.5 Best Action: A3	State (1, 3, 2) V = 90.5 Best Action: A3 State (1, 3, 3) V = 91.0 Best Action: A4	State (3, 3, 2) V = 94.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4
Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 1) V = 91.5 Best Action: A1 State (4, 2, 2) V = -4.5 Best Action: A3	State (1, 3, 4) V = 91.0 Best Action: A3 State (1, 4, 1) V = 93.0 Best Action: A4	State (3, 3, 4) V = 95.0 Best Action: A3 State (3, 4, 1) V = 96.0 Best Action: A1
Action	Action State (4, 5, 1) V = 98.0 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = 91.0 Best Action: A4 State (4, 2, 4) V = 91.0 Best Action: A3	State (1, 4, 2) V = 93.0 Best Action: A3 State (1, 4, 3) V = 92.5 Best Action: A3	State (3, 4, 2) V = 95.0 Best Action: A3 State (3, 4, 3) V = 95.5 Best Action: A4
State (2, 4, 1) V = -0.5 Best Action: A3 State (2, 4, 2) V = -0.5 Best Action: A3	State (4, 5, 2) V = 98.0 Best Action: A3 State (4, 5, 3) V = 97.5 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = 93.0 Best Action: A3 State (4, 3, 2) V = 93.0 Best Action: A4	State (1, 4, 4) V = 93.5 Best Action: A2 State (1, 5, 1) V = 90.5 Best Action: A3	State (3, 4, 4) V = 95.5 Best Action: A3 State (3, 5, 1) V = 97.5 Best Action: A4
State (2, 4, 3) V = -1.0 Best Action: A3 State (2, 4, 4) V = -1.0 Best Action: A3	State (4, 5, 4) V = 98.5 Best Action: A1 State (5, 1, 1) V = -1.5 Best Action: A3	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 2) V = 93.5 Best Action: A1 State (4, 3, 4) V = 92.5 Best Action: A3	State (1, 5, 1) V = 91.5 Best Action: A3 State (1, 5, 2) V = 91.5 Best Action: A1 State (1, 5, 3) V = 91.0 Best Action: A3	State (3, 5, 2) V = 97.5 Best Action: A3 State (3, 5, 3) V = 97.0 Best Action: A3
State (2, 5, 1) V = -0.5 Best Action: A3 State (2, 5, 2) V = -0.5 Best Action: A3	State (5, 1, 2) V = -1.5 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No	State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 4) V = 91.0 Best Action: A4	State (3, 5, 4) V = 98.0 Best Action: A2
State (2, 5, 3) V = -1.0 Best Action: A3 State (2, 5, 4) V = -1.0 Best Action: A3	State (5, 1, 3) V = -2.0 Best Action: A3 State (5, 1, 4) V = -2.0 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No	Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = 88.0 Best Action: A4 State (2, 1, 2) V = 88.0 Best Action: A3	State (4, 1, 1) V = 91.0 Best Action: A2 State (4, 1, 2) V = 90.0 Best Action: A3
State (3, 1, 1) V = -0.5 Best Action: A3 State (3, 1, 2) V = -0.5 Best Action: A3	State (5, 2, 1) V = -1.5 Best Action: A3 State (5, 2, 2) V = -1.5 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No	State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = 87.5 Best Action: A1 State (2, 1, 4) V = 88.5 Best Action: A2	State (4, 1, 3) V = 90.5 Best Action: A4 State (4, 1, 4) V = 90.5 Best Action: A3
State (3, 1, 3) V = -1.0 Best Action: A3 State (3, 1, 4) V = -1.0 Best Action: A3	State (5, 2, 3) V = -2.0 Best Action: A3 State (5, 2, 4) V = -2.0 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 1) V = 91.5 Best Action: A1 State (4, 2, 2) V = 90.5 Best Action: A3
State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = -1.5 Best Action: A3 State (5, 3, 2) V = -1.5 Best Action: A3	Action State (2, 4, 1) V = -3.5 Best Action: A3	Action State (4, 5, 1) V = 98.0 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = 91.0 Best Action: A4 State (4, 2, 4) V = 91.0 Best Action: A3
State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = -2.0 Best Action: A3 State (5, 3, 4) V = -2.0 Best Action: A3	State (2, 4, 3) V = -3.5 Best Action: A3 State (2, 4, 3) V = -4.0 Best Action: A3	State (4, 5, 2) V = 98.0 Best Action: A3 State (4, 5, 3) V = 97.5 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = 93.0 Best Action: A3 State (4, 3, 2) V = 93.0 Best Action: A4
State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 98.5 Best Action: A1 State (5, 4, 2) V = 97.5 Best Action: A3	State (2, 4, 4) V = 94.0 Best Action: A1 State (2, 5, 1) V = -3.5 Best Action: A3	State (4, 5, 4) V = 98.5 Best Action: A1 State (5, 1, 1) V = 90.5 Best Action: A2	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 93.5 Best Action: A1 State (4, 3, 4) V = 92.5 Best Action: A3
State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 98.0 Best Action: A4 State (5, 4, 4) V = 98.0 Best Action: A3	State (2, 5, 2) V = -3.5 Best Action: A3 State (2, 5, 3) V = -4.0 Best Action: A3	State (5, 1, 2) V = -4.5 Best Action: A3 State (5, 1, 3) V = 90.0 Best Action: A4	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action
State (3, 3, 1) V = -0.5 Best Action: A3 State (3, 3, 2) V = -0.5 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = -4.0 Best Action: A3 State (3, 1, 1) V = -3.5 Best Action: A3	State (5, 1, 4) V = 90.0 Best Action: A3 State (5, 2, 1) V = 91.0 Best Action: A1	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action
State (3, 3, 3) V = -1.0 Best Action: A3 State (3, 3, 4) V = -1.0 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -3.5 Best Action: A3 State (3, 1, 3) V = -4.0 Best Action: A3	State (5, 2, 2) V = -4.5 Best Action: A3 State (5, 2, 3) V = 90.5 Best Action: A4	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action
State (3, 4, 1) V = -0.5 Best Action: A3 State (3, 4, 2) V = -0.5 Best Action: A3	Iteration 3: State (1, 1, 1) V = -2.5 Best Action: A3	State (3, 1, 4) V = -4.0 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 90.5 Best Action: A3 State (5, 3, 1) V = 92.5 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action
State (3, 4, 4) V = -1.0 Best Action: A3 State (3, 4, 4) V = -1.0 Best Action: A3	State (1, 1, 2) V = -2.5 Best Action: A3 State (1, 1, 3) V = -3.0 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 2) V = 92.5 Best Action: A4 State (5, 3, 3) V = 93.0 Best Action: A2	State (2, 4, 1) V = 93.5 Best Action: A4 State (2, 4, 2) V = 93.5 Best Action: A3	State (4, 5, 1) V = 98.0 Best Action: A4 State (4, 5, 2) V = 98.0 Best Action: A3
State (3, 5, 1) V = -0.5 Best Action: A3	State (1, 1, 4) V = -3.0 Best Action: A3 State (1, 2, 1) V = -2.5 Best Action: A3	Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 4) V = 92.0 Best Action: A3 State (5, 4, 1) V = 98.5 Best Action: A1	State (2, 4, 3) V = 93.0 Best Action: A3 State (2, 4, 4) V = 94.0 Best Action: A1	State (4, 5, 3) V = 97.5 Best Action: A3 State (4, 5, 4) V = 98.5 Best Action: A1
State (3, 5, 2) V = -0.5 Best Action: A3 State (3, 5, 3) V = -1.0 Best Action: A3	State (1, 2, 2) V = 2.5 Best Action: A3 State (1, 2, 3) V = -3.0 Best Action: A3	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 97.5 Best Action: A3 State (5, 4, 3) V = 98.0 Best Action: A4	State (2, 5, 1) V = 91.0 Best Action: A3 State (2, 5, 2) V = 92.0 Best Action: A1	State (5, 1, 1) V = 90.5 Best Action: A2 State (5, 1, 2) V = 89.5 Best Action: A3
State (3, 5, 4) V = 98.0 Best Action: A2 State (4, 1, 1) V = -0.5 Best Action: A3	State (1, 2, 4) V = -3.0 Best Action: A3	Action	State (5, 4, 4) V = 98.0 Best Action: A4 State (5, 4, 4) V = 98.0 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 2) V = 91.5 Best Action: A1 State (2, 5, 4) V = 91.5 Best Action: A3 State (2, 5, 4) V = 91.5 Best Action: A4	State (5, 1, 3) V = 90.0 Best Action: A4
State (4, 1, 2) V = -0.5 Best Action: A3 State (4, 1, 3) V = -1.0 Best Action: A3	State (1, 3, 1) V = -2.5 Best Action: A3 State (1, 3, 2) V = -2.5 Best Action: A3 State (1, 3, 2) V = -3.0 Best Action: A3	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = 94.5 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action	State (3, 1, 1) V = 88.5 Best Action: A4	State (5, 1, 4) V = 90.0 Best Action: A3 State (5, 2, 1) V = 91.0 Best Action: A1
State (4, 1, 4) V = -1.0 Best Action: A3 State (4, 2, 1) V = -0.5 Best Action: A3	State (1, 3, 3) V = -3.0 Best Action: A3 State (1, 3, 4) V = -3.0 Best Action: A3	State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 3, 4) V = 95.0 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = 88.5 Best Action: A3 State (3, 1, 3) V = 88.0 Best Action: A3	State (5, 2, 2) V = 90.0 Best Action: A3 State (5, 2, 3) V = 90.5 Best Action: A4
State (4, 2, 2) V = -0.5 Best Action: A3 State (4, 2, 3) V = -1.0 Best Action: A3	State (1, 4, 1) V = -2.5 Best Action: A3 State (1, 4, 2) V = -2.5 Best Action: A3	State (3, 4, 1) V = 96.0 Best Action: A1 State (3, 4, 2) V = 95.0 Best Action: A3	Iteration 6: State (1, 1, 1) V = -5.5 Best Action: A3	State (3, 1, 4) V = 89.0 Best Action: A1 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 90.5 Best Action: A3 State (5, 3, 1) V = 92.5 Best Action: A3
State (4, 2, 4) V = -1.0 Best Action: A3 State (4, 3, 1) V = -0.5 Best Action: A3	State (1, 4, 3) V = -3.0 Best Action: A3 State (1, 4, 4) V = -3.0 Best Action: A3	State (3, 4, 3) V = 95.5 Best Action: A4 State (3, 4, 4) V = 95.5 Best Action: A3	State (1, 1, 2) $V = -5.5$ Best Action: A3 State (1, 1, 3) $V = -6.0$ Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 2) V = 92.5 Best Action: A4 State (5, 3, 3) V = 93.0 Best Action: A2
State (4, 3, 2) V = -0.5 Best Action: A3 State (4, 3, 3) V = -1.0 Best Action: A3	State (1, 5, 1) V = -2.5 Best Action: A3 State (1, 5, 2) V = -2.5 Best Action: A3	State (3, 5, 1) V = 97.5 Best Action: A4 State (3, 5, 2) V = 97.5 Best Action: A3	State (1, 1, 4) V = -6.0 Best Action: A3 State (1, 2, 1) V = 91.0 Best Action: A2	Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 4, 1) V = 92.0 Best Action: A3 State (5, 4, 1) V = 98.5 Best Action: A1
State (4, 3, 4) V = -1.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 3) V = -3.0 Best Action: A3 State (1, 5, 4) V = -3.0 Best Action: A3	State (3, 5, 3) V = 97.0 Best Action: A3 State (3, 5, 4) V = 98.0 Best Action: A2	State (1, 2, 2) V = -5.5 Best Action: A3 State (1, 2, 3) V = 90.5 Best Action: A4	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 97.5 Best Action: A3 State (5, 4, 3) V = 98.0 Best Action: A4
Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = -2.5 Best Action: A3 State (2, 1, 2) V = -2.5 Best Action: A3	State (4, 1, 1) V = -3.5 Best Action: A3 State (4, 1, 2) V = -3.5 Best Action: A3	State (1, 2, 4) V = 90.5 Best Action: A3 State (1, 3, 1) V = 91.5 Best Action: A1	Action State (3, 3, 1) V = 95.5 Best Action: A2	State (5, 4, 4) V = 98.0 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action
Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = -3.0 Best Action: A3 State (2, 1, 4) V = -3.0 Best Action: A3	State (4, 1, 3) V = -4.0 Best Action: A3 State (4, 1, 4) V = -4.0 Best Action: A3	State (1, 3, 2) V = -5.5 Best Action: A3 State (1, 3, 3) V = 91.0 Best Action: A4	State (3, 3, 2) V = 94.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action
Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 1) V = -3.5 Best Action: A3 State (4, 2, 2) V = -3.5 Best Action: A3	State (1, 3, 4) V = 91.0 Best Action: A3 State (1, 4, 1) V = 93.0 Best Action: A4	State (3, 3, 4) V = 95.0 Best Action: A3 State (3, 4, 1) V = 96.0 Best Action: A1	State (5, 5, 4) V = 100 Best Action: No Action Iteration 9:
Action State (4, 5, 1) V = -0.5 Best Action: A3	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = -4.0 Best Action: A3 State (4, 2, 4) V = -4.0 Best Action: A3	State (1, 4, 2) V = 93.0 Best Action: A3 State (1, 4, 3) V = 92.5 Best Action: A3	State (3, 4, 2) V = 95.0 Best Action: A3 State (3, 4, 3) V = 95.5 Best Action: A4	State (1, 1, 1) V = 89.5 Best Action: A1 State (1, 1, 2) V = 88.5 Best Action: A3
State (4, 5, 2) V = -0.5 Best Action: A3 State (4, 5, 3) V = -1.0 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = 93.0 Best Action: A3 State (4, 3, 2) V = 93.0 Best Action: A4	State (1, 4, 4) V = 93.5 Best Action: A2 State (1, 5, 1) V = 90.5 Best Action: A3	State (3, 4, 4) V = 95.5 Best Action: A3 State (3, 5, 1) V = 97.5 Best Action: A4	State (1, 1, 3) V = 89.0 Best Action: A4 State (1, 1, 4) V = 89.0 Best Action: A3
State (4, 5, 4) V = 98.5 Best Action: A1 State (5, 1, 1) V = -0.5 Best Action: A3	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 93.5 Best Action: A1 State (4, 3, 4) V = 92.5 Best Action: A3	State (1, 5, 2) V = 91.5 Best Action: A1 State (1, 5, 3) V = 91.0 Best Action: A3	State (3, 5, 2) V = 97.5 Best Action: A3 State (3, 5, 3) V = 97.0 Best Action: A3	State (1, 2, 1) V = 91.0 Best Action: A2 State (1, 2, 2) V = 90.0 Best Action: A3
State (5, 1, 2) V = -0.5 Best Action: A3 State (5, 1, 3) V = -1.0 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = 91.0 Best Action: A4 State (2, 1, 1) V = -5.5 Best Action: A3	State (3, 5, 4) V = 98.0 Best Action: A2 State (4, 1, 1) V = 91.0 Best Action: A2	State (1, 2, 3) V = 90.5 Best Action: A4 State (1, 2, 4) V = 90.5 Best Action: A3
State (5, 1, 4) V = -1.0 Best Action: A3 State (5, 2, 1) V = -0.5 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -5.5 Best Action: A3 State (2, 1, 3) V = -6.0 Best Action: A3	State (4, 1, 2) V = 90.0 Best Action: A3 State (4, 1, 3) V = 90.5 Best Action: A4	State (1, 3, 1) V = 91.5 Best Action: A1 State (1, 3, 2) V = 90.5 Best Action: A3
State (5, 2, 2) V = -0.5 Best Action: A3 State (5, 2, 3) V = -1.0 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = 88.5 Best Action: A2 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = 90.5 Best Action: A3 State (4, 2, 1) V = 91.5 Best Action: A1	State (1, 3, 3) V = 91.0 Best Action: A4 State (1, 3, 4) V = 91.0 Best Action: A3
State (5, 2, 4) V = -1.0 Best Action: A3 State (5, 3, 1) V = -0.5 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = 90.5 Best Action: A3 State (4, 2, 3) V = 91.0 Best Action: A4	State (1, 4, 1) V = 93.0 Best Action: A4 State (1, 4, 2) V = 93.0 Best Action: A3
State (5, 3, 2) V = -0.5 Best Action: A3 State (5, 3, 3) V = -1.0 Best Action: A3	State (2, 4, 1) V = -2.5 Best Action: A3 State (2, 4, 2) V = -2.5 Best Action: A3	State (4, 5, 1) V = 98.0 Best Action: A4 State (4, 5, 2) V = 98.0 Best Action: A3	Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = 91.0 Best Action: A3 State (4, 3, 1) V = 93.0 Best Action: A3	State (1, 4, 3) V = 92.5 Best Action: A3 State (1, 4, 4) V = 93.5 Best Action: A2
State (5, 3, 4) V = -1.0 Best Action: A3 State (5, 4, 1) V = 98.5 Best Action: A1	State (2, 4, 3) V = -3.0 Best Action: A3 State (2, 4, 4) V = -3.0 Best Action: A3	State (4, 5, 3) V = 97.5 Best Action: A3 State (4, 5, 4) V = 98.5 Best Action: A1	Action State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 2) V = 93.0 Best Action: A4 State (4, 3, 3) V = 93.5 Best Action: A1	State (1, 5, 1) V = 90.5 Best Action: A3 State (1, 5, 2) V = 91.5 Best Action: A1
State (5, 4, 2) V = -0.5 Best Action: A3 State (5, 4, 3) V = 98.0 Best Action: A4	State (2, 5, 1) V = -2.5 Best Action: A3 State (2, 5, 2) V = -2.5 Best Action: A3	State (5, 1, 1) V = -3.5 Best Action: A3 State (5, 1, 2) V = -3.5 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = 92.5 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 3) V = 91.0 Best Action: A3 State (1, 5, 4) V = 91.0 Best Action: A4
State (5, 4, 4) V = 98.0 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = -3.0 Best Action: A3 State (2, 5, 4) V = -3.0 Best Action: A3	State (5, 1, 3) V = -4.0 Best Action: A3 State (5, 1, 4) V = -4.0 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No	Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = 88.0 Best Action: A4 State (2, 1, 2) V = 88.0 Best Action: A3
State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = -2.5 Best Action: A3 State (3, 1, 2) V = -2.5 Best Action: A3	State (5, 2, 1) V = -3.5 Best Action: A3 State (5, 2, 2) V = -3.5 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No	Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = 87.5 Best Action: A1 State (2, 1, 4) V = 88.5 Best Action: A2
State (5, 5, 4) V = 100 Best Action: No Action Iteration 2:	State (3, 1, 3) V = -3.0 Best Action: A3 State (3, 1, 4) V = -3.0 Best Action: A3	State (5, 2, 3) V = -4.0 Best Action: A3 State (5, 2, 4) V = -4.0 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action
State (1, 1, 1) V = -1.5 Best Action: A3 State (1, 1, 2) V = -1.5 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = 92.5 Best Action: A3 State (5, 3, 2) V = 92.5 Best Action: A4	Action State (2, 4, 1) V = 93.5 Best Action: A4	Action State (4, 5, 1) V = 98.0 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action
State (1, 1, 2) V = -1.5 Best Action: A3 State (1, 1, 3) V = -2.0 Best Action: A3 State (1, 1, 4) V = -2.0 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 93.0 Best Action: A2 State (5, 3, 4) V = 92.0 Best Action: A3	State (2, 4, 2) V = 93.5 Best Action: A3 State (2, 4, 3) V = 93.0 Best Action: A3	State (4, 5, 2) V = 98.0 Best Action: A3 State (4, 5, 3) V = 97.5 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action
State (1, 2, 1) V = -1.5 Best Action: A3 State (1, 2, 2) V = -1.5 Best Action: A3 State (1, 2, 2) V = -1.5 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 98.5 Best Action: A1 State (5, 4, 2) V = 97.5 Best Action: A3	State (2, 4, 4) V = 94.0 Best Action: A1 State (2, 5, 1) V = 91.0 Best Action: A3	State (4, 5, 4) V = 98.5 Best Action: A1 State (5, 1, 1) V = 90.5 Best Action: A2	State (2, 2, 4) V = -100000 Best Action: No Action
State (1, 2, 3) V = -1.5 Best Action: A3 State (1, 2, 3) V = -2.0 Best Action: A3 State (1, 2, 4) V = -2.0 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 98.0 Best Action: A4 State (5, 4, 4) V = 98.0 Best Action: A3	State (2, 5, 2) V = 92.0 Best Action: A1 State (2, 5, 3) V = 91.5 Best Action: A3	State (5, 1, 2) V = 89.5 Best Action: A3 State (5, 1, 3) V = 90.0 Best Action: A4	State (2, 3, 1) V = -100000 Best Action: No Action
State (1, 3, 1) V = -1.5 Best Action: A3	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = -2.5 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = 91.5 Best Action: A3 State (3, 1, 1) V = -5.5 Best Action: A3	State (5, 1, 4) V = 90.0 Best Action: A4 State (5, 1, 4) V = 91.0 Best Action: A3 State (5, 2, 1) V = 91.0 Best Action: A1	State (2, 3, 2) V = -100000 Best Action: No Action
State (1, 3, 2) V = -1.5 Best Action: A3 State (1, 3, 3) V = -2.0 Best Action: A3 State (1, 3, 4) V = -2.0 Best Action: A3	State (3, 3, 2) V = -2.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 3, 4) V = 95.0 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 1) V = -5.5 Best Action: A3 State (3, 1, 2) V = -5.5 Best Action: A3 State (3, 1, 3) V = -6.0 Best Action: A3	State (5, 2, 1) V = 91.0 Best Action: A1 State (5, 2, 2) V = 90.0 Best Action: A3 State (5, 2, 3) V = 90.5 Best Action: A4	State (2, 3, 3) V = -100000 Best Action: No Action
State (1, 4, 1) V = -1.5 Best Action: A3	State (3, 4, 1) V = 96.0 Best Action: A1 State (3, 4, 2) V = -2.5 Best Action: A3	Iteration 5: State (1, 1, 1) V = -4.5 Best Action: A3	State (3, 1, 4) V = 89.0 Best Action: A1 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 90.5 Best Action: A3 State (5, 3, 1) V = 92.5 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action
State (1, 4, 2) V = -1.5 Best Action: A3 State (1, 4, 3) V = -2.0 Best Action: A3 Carte (4, 4, 4) V = 2.0 Best Action: A3	State (3, 4, 3) V = 95.5 Best Action: A4 State (3, 4, 4) V = 95.5 Best Action: A3	State (1, 1, 2) V = -4.5 Best Action: A3 State (1, 1, 3) V = -5.0 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 2) V = 92.5 Best Action: A4 State (5, 3, 3) V = 93.0 Best Action: A2	State (2, 4, 1) V = 93.5 Best Action: A4 State (2, 4, 2) V = 93.5 Best Action: A3
State (1, 4, 4) V = -2.0 Best Action: A3 State (1, 5, 1) V = -1.5 Best Action: A3 State (1, 5, 2) V = -1.5 Best Action: A3	State (3, 4, 4) V = 95.5 Best Action: A3 State (3, 5, 1) V = 97.5 Best Action: A4 State (3, 5, 2) V = 97.5 Best Action: A3	State (1, 1, 3) V = -5.0 Best Action: A3 State (1, 1, 4) V = -5.0 Best Action: A3 State (1, 2, 1) V = -4.5 Best Action: A3	Action State (3, 2, 3) V = -100000 Best Action: No State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 3) V = 95.0 Best Action: A2 State (5, 3, 4) V = 92.0 Best Action: A3 State (5, 4, 1) V = 98.5 Best Action: A1	State (2, 4, 2) V = 93.5 Best Action: A3 State (2, 4, 3) V = 93.0 Best Action: A3 State (2, 4, 4) V = 94.0 Best Action: A1
State (1, 5, 3) V = -2.0 Best Action: A3	State (3, 5, 3) V = 97.0 Best Action: A3 State (3, 5, 4) V = 98.0 Best Action: A2	State (1, 2, 2) V = -4.5 Best Action: A3 State (1, 2, 3) V = -5.0 Best Action: A3	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 97.5 Best Action: A3 State (5, 4, 3) V = 98.0 Best Action: A4	State (2, 5, 1) V = 91.0 Best Action: A3 State (2, 5, 2) V = 92.0 Best Action: A1
State (1, 5, 4) V = -2.0 Best Action: A3 State (2, 1, 1) V = -1.5 Best Action: A3	State (4, 1, 1) V = -2.5 Best Action: A3	State (1, 2, 4) V = -5.0 Best Action: A3	Action	State (5, 4, 4) V = 98.0 Best Action: A3	State (2, 5, 3) V = 91.5 Best Action: A3
State (2, 1, 2) V = -1.5 Best Action: A3 State (2, 1, 3) V = -2.0 Best Action: A3 Carte (2, 1, 4) V = 2.0 Best Action: A3	State (4, 1, 2) V = -2.5 Best Action: A3 State (4, 1, 3) V = -3.0 Best Action: A3 State (4, 1, 4) V = -3.0 Best Action: A3	State (1, 3, 1) V = -4.5 Best Action: A3 State (1, 3, 2) V = -4.5 Best Action: A3 State (1, 3, 3) V = -5.0 Best Action: A3	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = 94.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (2, 5, 4) V = 91.5 Best Action: A4 State (3, 1, 1) V = 88.5 Best Action: A4 State (3, 1, 2) V = 88.5 Best Action: A3
State (2, 1, 4) V = -2.0 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -3.0 Best Action: A3 State (4, 2, 1) V = -2.5 Best Action: A3 State (4, 2, 2) V = -3.5 Best Action: A3	State (1, 3, 3) V = -5.0 Best Action: A3 State (1, 3, 4) V = -5.0 Best Action: A3 State (1, 4, 1) V = 93.0 Best Action: A4	State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 3, 4) V = 95.0 Best Action: A3 State (3, 4, 1) V = 96.0 Best Action: A1	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = 88.5 Best Action: A3 State (3, 1, 3) V = 88.0 Best Action: A3 State (3, 1, 4) V = 89.0 Best Action: A1
Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = -2.5 Best Action: A3 State (4, 2, 3) V = -3.0 Best Action: A3 State (4, 2, 4) V = -3.0 Rest Action: A3	State (1, 4, 1) V = 93.0 Best Action: A4 State (1, 4, 2) V = 93.0 Best Action: A3 State (1, 4, 2) V = 93.5 Best Action: A3	State (3, 4, 1) V = 96.0 Best Action: A1 State (3, 4, 2) V = 95.0 Best Action: A3 State (3, 4, 2) V = 95.5 Best Action: A4	Iteration 8: State (1, 1, 1) V = 89.5 Best Action: A1	State (3, 1, 4) V = 89.0 Best Action: A1 State (3, 2, 1) V = -100000 Best Action: No
Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = -3.0 Best Action: A3 State (4, 3, 1) V = -2.5 Best Action: A3	State (1, 4, 4) V = 93.5 Best Action: A3 State (1, 4, 4) V = 93.5 Best Action: A2 State (1, 5, 1) V = A.F. Best Action: A2	State (3, 4, 3) V = 95.5 Best Action: A4 State (3, 4, 4) V = 95.5 Best Action: A3	State (1, 1, 2) V = 88.5 Best Action: A3 State (1, 1, 3) V = 89.0 Best Action: A4 State (1, 1, 4) V = 80.0 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No
Action State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 2) V = -2.5 Best Action: A3 State (4, 3, 3) V = 93.5 Best Action: A1	State (1, 5, 1) V = -4.5 Best Action: A3 State (1, 5, 2) V = 91.5 Best Action: A1	State (3, 5, 1) V = 97.5 Best Action: A4 State (3, 5, 2) V = 97.5 Best Action: A3	State (1, 1, 4) V = 89.0 Best Action: A3 State (1, 2, 1) V = 91.0 Best Action: A2	Action State (3, 2, 3) V = -100000 Best Action: No
A set see		State (1, 5, 3) V = 91.0 Best Action: A3	State (3, 5, 3) V = 97.0 Best Action: A3 State (3, 5, 4) V = 98.0 Best Action: A2	State (1, 2, 2) V = 90.0 Best Action: A3 State (1, 2, 3) V = 90.5 Best Action: A4	Action State (3, 2, 4) V = -100000 Best Action: No
Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 4) V = 91.0 Best Action: A4		F4-4-14 2 4) 1/ - 00 F	
	State (4, 3, 4) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = -4.5 Best Action: A3 State (2, 1, 2) V = -4.5 Best Action: A3	State (4, 1, 1) V = 91.0 Best Action: A2 State (4, 1, 2) V = 90.0 Best Action: A3	State (1, 2, 4) V = 90.5 Best Action: A3 State (1, 3, 1) V = 91.5 Best Action: A1	Action State (3, 3, 1) V = 95.5 Best Action: A2
State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No	State (4, 4, 1) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No Action State (4, 4, 2) V = -1000 Best Action: No Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 1) V = -4.5 Best Action: A3 State (2, 1, 2) V = -4.5 Best Action: A3 State (2, 1, 3) V = -5.0 Best Action: A3 State (2, 1, 4) V = -5.0 Best Action: A3	State (4, 1, 1) V = 91.0 Best Action: A2 State (4, 1, 2) V = 90.5 Best Action: A3 State (4, 1, 3) V = 90.5 Best Action: A4 State (4, 1, 4) V = 90.5 Best Action: A3	State (1, 3, 1) V = 91.5 Best Action: A1 State (1, 3, 2) V = 90.5 Best Action: A3 State (1, 3, 3) V = 91.0 Best Action: A4	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = 94.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4
State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 1) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No Action State (4, 4, 2) V = -1000 Best Action: No Action State (4, 4, 3) V = -1000 Best Action: No Action State (4, 4, 4) V = -1000 Best Action: No Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 1, 1) V = -4.5 Best Action: A3 State (2, 1, 2) V = -4.5 Best Action: A3 State (2, 1, 3) V = -5.0 Best Action: A3 State (2, 1, 4) V = -5.0 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 1, 2) V = 91.0 Best Action: A2 State (4, 1, 2) V = 90.5 Best Action: A3 State (4, 1, 4) V = 90.5 Best Action: A4 State (4, 1, 4) V = 90.5 Best Action: A3 State (4, 2, 1) V = 91.5 Best Action: A1 State (4, 2, 2) V = 90.5 Best Action: A3	State (1, 3, 1) V = 91.5 Best Action: A1 State (1, 3, 2) V = 90.5 Best Action: A3 State (1, 3, 4) V = 91.0 Best Action: A4 State (1, 3, 4) V = 91.0 Best Action: A3 State (1, 4, 1) V = 93.0 Best Action: A4	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = 94.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 3, 4) V = 95.0 Best Action: A3 State (3, 4, 1) V = 96.0 Best Action: A1
State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 1) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No Action State (4, 4, 2) V = -1000 Best Action: No Action State (4, 4, 3) V = -1000 Best Action: No Action State (4, 4, 4) V = -1000 Best Action: No Action State (4, 5, 1) V = -1000 Best Action: No Action State (4, 5, 1) V = 98.0 Best Action: A4	State (2, 1, 1) V = -4.5 Best Action: A3 State (2, 1, 2) V = -4.5 Best Action: A3 State (2, 1, 3) V = -5.0 Best Action: A3 State (2, 1, 4) V = -5.0 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No Action State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 1, 1) V = 91.0 Best Action: A2 State (4, 1, 2) V = 90.0 Best Action: A3 State (4, 1, 4) V = 90.5 Best Action: A4 State (4, 2, 1) V = 91.5 Best Action: A1 State (4, 2, 2) V = 90.5 Best Action: A1 State (4, 2, 2) V = 90.5 Best Action: A3 State (4, 2, 2) V = 90.0 Best Action: A4 State (4, 2, 4) V = 91.0 Best Action: A4 State (4, 2, 4) V = 91.0 Best Action: A3	State (1, 3, 1) V = 91.5 Best Action: A1 State (1, 3, 2) V = 90.5 Best Action: A3 State (1, 3, 3) V = 91.0 Best Action: A3 State (1, 4, 1) V = 93.0 Best Action: A3 State (1, 4, 2) V = 93.0 Best Action: A3 State (1, 4, 3) V = 92.5 Best Action: A3 State (1, 4, 3) V = 92.5 Best Action: A3	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = 94.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 4, 1) V = 96.0 Best Action: A1 State (3, 4, 2) V = 95.0 Best Action: A3 State (3, 4, 3) V = 95.5 Best Action: A3 State (3, 4, 3) V = 95.5 Best Action: A4
State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No Action State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 3, 4) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No Action State (4, 4, 2) V = -1000 Best Action: No Action State (4, 4, 3) V = -1000 Best Action: No Action State (4, 4, 4) V = -1000 Best Action: No Action State (4, 5, 1) V = 98.0 Best Action: A4 State (4, 5, 2) V = 98.0 Best Action: A3 State (4, 5, 3) V = 97.5 Best Action: A3	State (2, 1, 1) V = -4.5 State (2, 1, 2) V = -4.5 State (2, 1, 3) V = -5.0 State (2, 1, 3) V = -5.0 State (2, 1, 4) V = -5.0 State (2, 1, 4) V = -5.0 State (2, 2, 1) V = -100000 State (2, 2, 2) V = -100000 State (2, 2, 3) V = -100000 State (2, 2, 3) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 1, 1) V = 91.0 State (4, 1, 2) V = 90.0 Sest Action: A3 State (4, 1, 3) V = 90.5 State (4, 1, 4) V = 90.5 State (4, 2, 1) V = 91.5 State (4, 2, 1) V = 91.5 State (4, 2, 2) V = 90.5 State (4, 2, 3) V = 91.0 State (4, 2, 4) V = 91.0 State (4, 3, 1) V = 91.0 State (4, 3, 1) V = 93.0 State (4, 3, 2) V = 93.0	State (1, 3, 1) v = 91.5 Best Action: A1 State (1, 3, 2) v = 90.5 Best Action: A3 State (1, 3, 3) v = 91.0 Best Action: A3 State (1, 4, 1) v = 91.0 Best Action: A3 State (1, 4, 2) v = 93.0 Best Action: A3 State (1, 4, 2) v = 93.0 Best Action: A3 State (1, 4, 3) v = 92.5 Best Action: A3 State (1, 4, 4) v = 93.5 Best Action: A2 State (1, 5, 1) v = 90.5 Best Action: A2 State (1, 5, 1) v = 90.5 Best Action: A3	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 2) V = 94.5 Best Action: A3 State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 4, 4) V = 95.0 Best Action: A1 State (3, 4, 2) V = 95.0 Best Action: A1 State (3, 4, 3) V = 95.5 Best Action: A3 State (3, 4, 3) V = 95.5 Best Action: A3 State (3, 4, 4) V = 95.5 Best Action: A3
State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No Action State (2, 3, 4) V = -100000 Best Action: No Action State (2, 4, 1) V = -1.5 Best Action: A3 State (2, 4, 2) V = -1.5 Best Action: A3	State (4, 4, 1) V = -3.00 State (4, 4, 1) V = -1000 Action State (4, 4, 2) V = -1000 Action State (4, 4, 3) V = -1000 Action State (4, 4, 3) V = -1000 Action State (4, 4, 4) V = -1000 Action State (4, 5, 1) V = 98.0 Best Action: No Action State (4, 5, 2) V = 98.0 Best Action: A4 State (4, 5, 2) V = 98.0 Best Action: A3 State (4, 5, 3) V = 97.5 Best Action: A3 State (4, 5, 4) V = 98.5 Best Action: A1 State (5, 1, 1) V = -2.5 Best Action: A1 State (5, 1, 1) V = -2.5 Best Action: A3	State (2, 1, 1) V = -4.5 Best Action: A3 State (2, 1, 2) V = -4.5 Best Action: A3 State (2, 1, 3) V = -5.0 Best Action: A3 State (2, 1, 4) V = -5.0 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No Action State (2, 2, 2) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action State (2, 2, 4) V = -100000 Best Action: No Action State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 1, 1) V = 91.0 Best Action: A2 State (4, 1, 2) V = 90.5 Best Action: A3 State (4, 1, 3) V = 90.5 Best Action: A3 State (4, 2, 1) V = 91.5 Best Action: A3 State (4, 2, 2) V = 91.5 Best Action: A3 State (4, 2, 2) V = 90.5 Best Action: A3 State (4, 2, 3) V = 91.0 Best Action: A3 State (4, 2, 4) V = 91.0 Best Action: A3 State (4, 3, 1) V = 93.0 Best Action: A3 State (4, 3, 3) V = 93.0 Best Action: A3 State (4, 3, 3) V = 93.5 Best Action: A4 State (4, 3, 3) V = 93.5 Best Action: A1 State (4, 3, 4) V = 92.5 Best Action: A1	State (1, 3, 1) V = 91.5 State (1, 3, 2) V = 90.5 State (1, 3, 3) V = 91.0 State (1, 3, 4) V = 91.0 State (1, 4, 1) V = 93.0 State (1, 4, 2) V = 93.0 State (1, 4, 3) V = 93.0 State (1, 4, 3) V = 93.5 State (1, 4, 4) V = 93.5 State (1, 4, 4) V = 93.5 State (1, 4, 1) V = 93.5 State (1, 5, 1) V = 93.5 State (1, 5, 2) V = 93.5 State (1, 5, 3) V = 93.0	State (3, 3, 1) V = 95.5 State (3, 3, 2) V = 94.5 State (3, 3, 3) V = 95.0 State (3, 4, 1) V = 95.0 State (3, 4, 1) V = 96.0 State (3, 4, 1) V = 96.0 State (3, 4, 2) V = 95.0 State (3, 4, 2) V = 95.0 State (3, 4, 2) V = 95.5 State (3, 4, 4) V = 95.5 State (3, 5, 2) V = 97.5 State (3, 5, 3) V = 97.5 State (3, 5, 3) V = 97.0 State (3, 5, 3) V
State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No Action State (2, 3, 4) V = -100000 Best Action: No Action State (2, 4, 1) V = -1.5 Best Action: A3 State (2, 4, 3) V = -1.5 Best Action: A3 State (2, 4, 3) V = -2.0 Best Action: A3 State (2, 4, 4) V = -2.0 Best Action: A3	State (4, 4, 1) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Action State (4, 4, 2) V = -1000 Action State (4, 4, 3) V = -1000 Best Action: No Action State (4, 4, 4) V = -1000 Action State (4, 5, 1) V = 98.0 State (4, 5, 3) V = 98.0 Best Action: A4 State (4, 5, 3) V = 98.5 Best Action: A3 State (4, 5, 4) V = 98.5 Best Action: A3 State (5, 1, 1) V = -2.5 Best Action: A3 State (5, 1, 2) V = -3.0 Best Action: A3 State (5, 1, 3) V = -3.0 Best Action: A3 State (5, 1, 3) V = -3.0 Best Action: A3 State (5, 1, 3) V = -3.0 Best Action: A3 State (5, 1, 3) V = -3.0 Best Action: A3 State (5, 1, 3) V = -3.0 Best Action: A3 State (5, 1, 3) V = -3.0 Best Action: A3	State (2, 1, 1) V = -4.5 Best Action: A3 State (2, 1, 2) V = -4.5 Best Action: A3 State (2, 1, 3) V = -5.0 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: A0 Action State (2, 2, 2) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action State (2, 2, 4) V = -100000 Best Action: No Action State (2, 2, 4) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 1, 1) V = 91.0 State (4, 1, 2) V = 90.0 Sest Action: A3 State (4, 1, 4) V = 90.5 State (4, 1, 4) V = 90.5 State (4, 2, 1) V = 90.5 State (4, 2, 1) V = 91.5 State (4, 2, 2) V = 90.0 State (4, 2, 2) V = 90.0 State (4, 2, 4) V = 10.0 State (4, 2, 4) V = 10.0 State (4, 3, 3) V = 93.0 State (4, 3, 3) V = 93.0 State (4, 3, 3) V = 93.5 State (4, 3, 4) V = 92.5 State (4, 4, 1) V = -1000 Action	State $(1, 3, 1) \lor = 91.5$ Best Action: A1 State $(1, 3, 2) \lor = 90.5$ Best Action: A3 State $(1, 3, 3) \lor = 91.0$ Best Action: A3 State $(1, 4, 1) \lor = 93.0$ Best Action: A3 State $(1, 4, 2) \lor = 93.0$ Best Action: A3 State $(1, 4, 2) \lor = 93.0$ Best Action: A3 State $(1, 4, 3) \lor = 92.5$ Best Action: A3 State $(1, 4, 4) \lor = 93.5$ Best Action: A2 State $(1, 5, 1) \lor = 90.5$ Best Action: A3 State $(1, 5, 2) \lor = 91.5$ Best Action: A3 State $(1, 5, 3) \lor = 91.0$ Best Action: A3 State $(1, 5, 4) \lor = 91.0$ Best Action: A4 State $(2, 1, 1) \lor = 98.0$ Best Action: A4	State (3, 3, 1) V = 95.5 Best Action: A2 State (3, 3, 3) V = 95.0 Best Action: A4 State (3, 3, 4) V = 95.0 Best Action: A4 State (3, 4, 1) V = 96.0 Best Action: A3 State (3, 4, 2) V = 95.0 Best Action: A3 State (3, 4, 3) V = 95.5 Best Action: A3 State (3, 4, 4) V = 95.5 Best Action: A4 State (3, 4, 4) V = 95.5 Best Action: A4 State (3, 5, 1) V = 97.5 Best Action: A3 State (3, 5, 3) V = 97.0 Best Action: A3 State (3, 5, 3) V = 98.0 Best Action: A2 State (4, 1, 1) V = 98.0 Best Action: A2
State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No Action State (2, 3, 4) V = -100000 Best Action: No Action State (2, 4, 1) V = -1.5 Best Action: A3 State (2, 4, 2) V = -1.5 Best Action: A3 State (2, 4, 3) V = -2.0 Best Action: A3 State (2, 4, 4) V = -2.0 Best Action: A3 State (2, 4, 5, 1) V = -1.5 Best Action: A3 State (2, 5, 1) V = -1.5 Best Action: A3 State (2, 5, 1) V = -1.5 Best Action: A3 State (2, 5, 1) V = -1.5 Best Action: A3 State (2, 5, 1) V = -1.5 Best Action: A3 State (2, 5, 1) V = -1.5 Best Action: A3 State (2, 5, 1) V = -1.5 Best Action: A3	State (4, 3, 4) V = -3.0 Best Action: A3 State (4, 4, 1) V = -1000 Action State (4, 4, 2) V = -1000 Action State (4, 4, 3) V = -1000 Best Action: No Action State (4, 4, 4) V = -1000 Action State (4, 4, 4) V = -1000 Best Action: No Action State (4, 5, 1) V = 98.0 Best Action: A4 State (4, 5, 2) V = 98.0 Best Action: A3 State (4, 5, 3) V = 99.5 Best Action: A3 State (5, 1, 1) V = -2.5 Best Action: A3 State (5, 1, 2) V = -2.5 Best Action: A3	State (2, 1, 1) V = -4.5 Best Action: A3 State (2, 1, 2) V = -4.5 Best Action: A3 State (2, 1, 3) V = -5.0 Best Action: A3 State (2, 1, 4) V = -5.0 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No Action State (2, 2, 2) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action State (2, 2, 3) V = -100000 Best Action: No Action State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 1, 1) V = 91.0 State (4, 1, 2) V = 90.0 State (4, 1, 3) V = 90.5 State (4, 1, 3) V = 90.5 State (4, 2, 1) V = 90.5 State (4, 2, 1) V = 91.5 State (4, 2, 2) V = 90.5 State (4, 2, 2) V = 91.0 State (4, 2, 3) V = 91.0 State (4, 2, 3) V = 91.0 State (4, 3, 3) V = 93.0 State (4, 3, 1) V = 93.0 State (4, 3, 1) V = 93.0 State (4, 3, 3) V = 93.5 State (4, 3, 4) V = 25.5 State (4, 4, 3) V = 93.5 State (4, 4, 1) V = -1000 Best Action: No	State (1, 3, 1) \vee = 91.5 Best Action: A1 State (1, 3, 2) \vee = 90.5 Best Action: A3 State (1, 3, 3) \vee = 91.0 Best Action: A3 State (1, 4, 1) \vee = 91.0 Best Action: A3 State (1, 4, 1) \vee = 93.0 Best Action: A4 State (1, 4, 2) \vee = 93.0 Best Action: A3 State (1, 4, 3) \vee = 92.5 Best Action: A3 State (1, 4, 4) \vee = 93.5 Best Action: A2 State (1, 5, 1) \vee = 90.5 Best Action: A3 State (1, 5, 2) \vee = 91.5 Best Action: A3 State (1, 5, 3) \vee = 91.0 Best Action: A3 State (1, 5, 4) \vee = 91.0 Best Action: A3 State (1, 5, 4) \vee = 91.0 Best Action: A4 Best Action: A4 Best Action: A5 Best Action: A5 Best Action: A5 Best Action: A5 Best Action: A6 Best Action: A7 Best Action: A7 Best Action: A7 Best Action: A7 Best Action: A8 Best Action: A	$\begin{array}{llllllllllllllllllllllllllllllllllll$

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State (4, 1, 4) V = 90.5 Best Action: A3
State (4, 2, 1) V = 91.5 Best Action: A1
State (4, 2, 2) V = 90.5 Best Action: A3
State (4, 2, 3) V = 91.0 Best Action: A4
State (4, 2, 4) V = 91.0 Best Action: A3
State (4, 3, 1) V = 93.0 Best Action: A3
State (4, 3, 2) V = 93.0 Best Action: A4
State (4, 3, 3) V = 93.5 Best Action: A1
State (4, 3, 4) V = 92.5 Best Action: A3
State (4, 4, 1) V = -1000 Best Action: No
 Action
State (4, 4, 2) V = -1000 Best Action: No
Action
State (4, 4, 3) V = -1000 Best Action: No
Action
State (4, 4, 4) V = -1000 Best Action: No
Action
State (4, 5, 1) V = 98.0 Best Action: A4
State (4, 5, 2) V = 98.0 Best Action: A3
State (4, 5, 4) V = 97.5
State (4, 5, 4) V = 98.5
State (4, 5, 4) V = 98.5
State (5, 1, 1) V = 90.5
State (5, 1, 2) V = 89.5
State (5, 1, 3) V = 90.0 Best Action: A4
 State (5, 1, 4) V = 90.0 Rest Action: A3
State (5, 2, 1) V = 91.0
State (5, 2, 2) V = 90.0
State (5, 2, 3) V = 90.5 Best Action: A4
State (5, 2, 4) V = 90.5 Rest Action: A3
State (5, 3, 1) V = 92.5 Best Action: A3
State (5, 3, 1) V = 92.5
State (5, 3, 2) V = 92.5
State (5, 3, 3) V = 93.0
State (5, 3, 4) V = 92.0 Best Action: A3
State (5, 4, 1) V = 98.5 Best Action: A1
State (5, 4, 2) V = 97.5 Best Action: A3
State (5, 4, 2) V = 97.5 Best Action: A3
State (5, 4, 3) V = 98.0 Best Action: A4
State (5, 4, 4) V = 98.0 Best Action: A3
State (5, 5, 1) V = 100 Best Action: No Action
State (5, 5, 2) V = 100 Best Action: No Action
State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action Iteration 10: State (1, 1, 1) V = 89.5 Best Action: A1
State (1, 1, 2) V = 88.5 Best Action: A3
State (1, 1, 3) V = 89.0 Best Action: A4
State (1, 1, 4) V = 89.0 Best Action: A3
State (1, 2, 1) V = 91.0 Best Action: A2
State (1, 2, 2) V = 90.0 Best Action: A3
State (1, 2, 3) V = 90.5 Best Action: A4
State (1, 2, 4) V = 90.5
State (1, 3, 1) V = 91.5
State (1, 3, 2) V = 90.5
State (1, 3, 3) V = 91.0
State (1, 3, 3) V = 91.0
State (1, 3, 3) V = 91.0
Sest Action: A3
State (1, 3, 3) V = 91.0
State (1, 3, 4) V = 91.0 Best Action: A3
State (1, 4, 1) V = 93.0 Best Action: A4
State (1, 4, 2) V = 93.0 Best Action: A3
State (1, 4, 3) V = 92.5 Best Action: A3
State (1, 4, 4) V = 93.5 Best Action: A2
State (1, 5, 1) V = 90.5 Best Action: A3
State (1, 5, 2) V = 91.5 Best Action: A1
State (1, 5, 3) V = 91.0 Best Action: A3
State (1, 5, 4) V = 91.0 Best Action: A4
State (2, 1, 1) V = 88.0 Best Action: A4
State (2, 1, 2) V = 88.0 Best Action: A3
State (2, 1, 3) V = 87.5 Rest Action: A1
State (2, 1, 3) V = 87.5 Best Action: A1
State (2, 1, 4) V = 88.5 Best Action: A2
State (2, 2, 1) V = -100000 Best Action: No
Action
State (2, 2, 2) V = -100000 Best Action: No
Action
 State (2. 2. 3) V = -100000 Best Action: No
Action
State (2, 2, 4) V = -100000 Best Action: No
State (2, 3, 1) V = -100000 Best Action: No
 State (2, 3, 2) V = -100000 Best Action: No
State (2, 3, 3) V = -100000 Best Action: No
Action
State (2, 3, 4) V = -100000 Best Action: No Action
State (2, 4, 1) V = 93.5 Best Action: A4
State (2, 4, 2) V = 93.5 Best Action: A3
State (2, 4, 3) V = 93.0 Best Action: A3
State (2, 4, 4) V = 94.0 Best Action: A1
State (2, 5, 1) V = 91.0 Best Action: A3
State (2, 5, 2) V = 92.0 Best Action: A1
State (2, 5, 3) V = 91.5 Best Action: A3
State (2, 5, 4) V = 91.5 Best Action: A4
State (3, 1, 1) V = 88.5 Best Action: A4
State (3, 1, 2) V = 88.5 Best Action: A3
State (3, 1, 3) V = 88.0 Best Action: A3
State (3, 1, 4) V = 89.0 Best Action: A1
State (3, 2, 1) V = -100000 Best Action: No
 State (3, 2, 2) V = -100000 Best Action: No
Action
State (3, 2, 3) V = -100000 Best Action: No
Action
State (3, 2, 4) V = -100000 Best Action: No
Action
State (3, 3, 1) V = 95.5
State (3, 3, 2) V = 94.5
Best Action: A2
Best Action: A3
State (3, 3, 3) V = 95.0 Best Action: A4
State (3, 3, 4) V = 95.0 Best Action: A3
State (3, 4, 1) V = 96.0 Best Action: A1
State (3, 4, 2) V = 95.0 Best Action: A3
State (3, 4, 3) V = 95.5 Best Action: A4
State (3, 4, 4) V = 95.5 Best Action: A3
State (3, 5, 1) V = 97.5 Best Action: A4
State (3, 5, 2) V = 97.5 Best Action: A4
State (3, 5, 2) V = 97.0 Best Action: A3
State (3, 5, 3) V = 97.0 Best Action: A3
State (3, 5, 4) V = 98.0 Best Action: A2
State (4, 1, 1) V = 91.0 Best Action: A2
State (4, 1, 2) V = 90.0 Best Action: A3
State (4, 1, 2) V = 90.5 Best Action: A3
State (4, 1, 4) V = 90.5 Best Action: A4
State (4, 1, 4) V = 90.5 Best Action: A3
State (4, 2, 1) V = 91.5 Best Action: A1
State (4, 2, 2) V = 90.5 Best Action: A3
State (4, 2, 3) V = 91.0 Best Action: A4
State (4, 2, 4) V = 91.0 Best Action: A3
State (4, 3, 1) V = 93.0 Best Action: A3
State (4, 3, 2) V = 93.0 Best Action: A4
State (4, 3, 3) V = 93.5 Best Action: A1
State (4. 3. 4) V = 92.5 Rest Action: A3
 State (4, 4, 1) V = -1000 Best Action: No
Action
State (4, 4, 2) V = -1000 Best Action: No
Action
State (4, 4, 3) V = -1000 Best Action: No
 State (4, 4, 4) V = -1000 Best Action: No
State (4, 5, 1) V = 98.0 Best Action: A4
State (4, 5, 2) V = 98.0 Best Action: A3
State (4, 5, 3) V = 97.5
State (4, 5, 4) V = 98.5
State (4, 5, 4) V = 98.5
State (5, 1, 1) V = 90.5
Best Action: A1
State (5, 1, 1) V = 90.5
State (5, 1, 2) V = 89.5 Best Action: A3
State (5, 1, 3) V = 90.0 Best Action: A4
State (5, 2, 3) V = 90.0 Best Action: A3
State (5, 2, 1) V = 91.0 Best Action: A1
State (5, 2, 2) V = 90.0 Best Action: A3
State (5, 2, 3) V = 90.5 Best Action: A4
State (5, 2, 4) V = 90.5 Best Action: A3
State (5, 3, 1) V = 92.5
State (5, 3, 2) V = 92.5
State (5, 3, 3) V = 93.0
State (5, 3, 3) V = 93.0
Best Action: A2
State (5, 3, 4) V = 92.0 Best Action: A3
State (5. 4. 1) V = 98.5 Best Action: A1
 State (5, 4, 2) V = 97.5 Rest Action: A3
State (5, 4, 2) V = 97.3 Best Action: A3
State (5, 4, 4) V = 98.0 Best Action: A4
State (5, 4, 4) V = 98.0 Best Action: A3
State (5, 5, 1) V = 100 Best Action: No Action
State (5, 5, 2) V = 100 Best Action: No Action
State (5, 5, 3) V = 100 Best Action: No Action
State (5, 5, 4) V = 100 Best Action: No Action
```

Ans D)	State (3, 1, 2) V = -1.22 Best Action: A3 State (3, 1, 3) V = -1.48 Best Action: A3	State (5, 2, 2) V = -1.68 Best Action: A3 State (5, 2, 3) V = -1.84 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = 7.75 Best Action: A2 State (2, 2, 1) V = -100000 Best Action: No
Iteration 1:	State (3, 1, 4) V = -1.48 Best Action: A3	State (5, 2, 4) V = -1.84 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action	Action
State (1, 1, 1) V = -0.5 Best Action: A3 State (1, 1, 2) V = -0.5 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = -1.68 Best Action: A3 State (5, 3, 2) V = -1.68 Best Action: A3 State (7, 3, 2) V = -2.08 Best Action: A3	State (2, 4, 1) V = 22.57 Best Action: A4	State (4, 5, 1) V = 62.3 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action
State (1, 1, 3) V = -0.9 Best Action: A3 State (1, 1, 4) V = -0.9 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 28.02 Best Action: A2 State (5, 3, 4) V = -1.84 Best Action: A3	State (2, 4, 2) V = 22.57 Best Action: A3 State (2, 4, 3) V = 17.56 Best Action: A3	State (4, 5, 2) V = 62.3 Best Action: A3 State (4, 5, 3) V = 49.34 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action
State (1, 2, 1) V = -0.5 Best Action: A3 State (1, 2, 2) V = -0.5 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 78.5 Best Action: A1 State (5, 4, 2) V = 49.34 Best Action: A3	State (2, 4, 4) V = 28.84 Best Action: A1 State (2, 5, 1) V = -2.16 Best Action: A3	State (4, 5, 4) V = 78.5 Best Action: A1 State (5, 1, 1) V = 15.54 Best Action: A2	State (2, 2, 4) V = -100000 Best Action: No Action
State (1, 2, 3) V = -0.9 Best Action: A3 State (1, 2, 4) V = -0.9 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 62.3 Best Action: A4 State (5, 4, 4) V = 62.3 Best Action: A3	State (2, 5, 2) V = 16.56 Best Action: A1 State (2, 5, 3) V = 12.75 Best Action: A3	State (5, 1, 2) V = 9.04 Best Action: A3 State (5, 1, 3) V = 11.93 Best Action: A4	State (2, 3, 1) V = -100000 Best Action: No Action
State (1, 3, 1) V = -0.5 Best Action: A3 State (1, 3, 2) V = -0.5 Best Action: A3	State (3, 3, 1) V = -1.22 Best Action: A3 State (3, 3, 2) V = -1.22 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = 12.75 Best Action: A4 State (3, 1, 1) V = -2.16 Best Action: A3	State (5, 1, 4) V = 11.93 Best Action: A3 State (5, 2, 1) V = 16.04 Best Action: A1	State (2, 3, 2) V = -100000 Best Action: No Action
State (1, 3, 3) V = -0.9 Best Action: A3	State (3, 3, 3) V = -1.48 Best Action: A3 State (3, 3, 4) V = -1.48 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -2.16 Best Action: A3 State (3, 1, 3) V = -2.23 Best Action: A3	State (5, 2, 2) V = 9.36 Best Action: A3 State (5, 2, 3) V = 12.33 Best Action: A4	State (2, 3, 3) V = -100000 Best Action: No Action
State (1, 3, 4) V = -0.9 Best Action: A3 State (1, 4, 1) V = -0.5 Best Action: A3	State (3, 4, 1) V = -1.22 Best Action: A3 State (3, 4, 2) V = -1.22 Best Action: A3	Iteration 4: State (1, 1, 1) V = -1.97 Best Action: A3	State (3, 1, 4) V = -2.23 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 12.33 Best Action: A3 State (5, 3, 1) V = 21.92 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action
State (1, 4, 2) V = -0.5 Best Action: A3 State (1, 4, 3) V = -0.9 Best Action: A3	State (3, 4, 3) V = -1.48 Best Action: A3	State (1, 1, 2) V = -1.97 Best Action: A3	Action	State (5, 3, 2) V = 21.92 Best Action: A4	State (2, 4, 1) V = 22.57 Best Action: A4
State (1, 4, 4) V = -0.9 Best Action: A3 State (1, 5, 1) V = -0.5 Best Action: A3	State (3, 4, 4) V = -1.48 Best Action: A3 State (3, 5, 1) V = 61.9 Best Action: A4	State (1, 1, 3) V = -2.08 Best Action: A3 State (1, 1, 4) V = -2.08 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 28.02 Best Action: A2 State (5, 3, 4) V = 17.04 Best Action: A3	State (2, 4, 2) V = 22.57 Best Action: A3 State (2, 4, 3) V = 17.56 Best Action: A3
State (1, 5, 2) V = -0.5 Best Action: A3 State (1, 5, 3) V = -0.9 Best Action: A3	State (3, 5, 2) V = 61.9 Best Action: A3 State (3, 5, 3) V = 49.02 Best Action: A3	State (1, 2, 1) V = -1.97 Best Action: A3 State (1, 2, 2) V = -1.97 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 78.5 Best Action: A1 State (5, 4, 2) V = 49.34 Best Action: A3	State (2, 4, 4) V = 28.84 Best Action: A1 State (2, 5, 1) V = 9.7 Best Action: A3
State (1, 5, 4) V = -0.9 Best Action: A3 State (2, 1, 1) V = -0.5 Best Action: A3	State (3, 5, 4) V = 78.0 Best Action: A2 State (4, 1, 1) V = -1.22 Best Action: A3	State (1, 2, 3) V = -2.08 Best Action: A3 State (1, 2, 4) V = -2.08 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 62.3 Best Action: A4 State (5, 4, 4) V = 62.3 Best Action: A3	State (2, 5, 2) V = 16.56 Best Action: A1 State (2, 5, 3) V = 12.75 Best Action: A3
State (2, 1, 2) V = -0.5 Best Action: A3 State (2, 1, 3) V = -0.9 Best Action: A3	State (4, 1, 2) V = -1.22 Best Action: A3 State (4, 1, 3) V = -1.48 Best Action: A3	State (1, 3, 1) V = -1.97 Best Action: A3 State (1, 3, 2) V = -1.97 Best Action: A3	State (3, 3, 1) V = 47.52 Best Action: A2 State (3, 3, 2) V = 29.52 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = 12.75 Best Action: A4 State (3, 1, 1) V = 6.1 Best Action: A4
State (2, 1, 4) V = -0.9 Best Action: A3	State (4, 1, 4) V = -1.48 Best Action: A3 State (4, 2, 1) V = -1.22 Best Action: A3	State (1, 3, 3) V = -2.08 Best Action: A3 State (1, 3, 4) V = -2.08 Best Action: A3	State (3, 3, 3) V = 37.52 Best Action: A4 State (3, 3, 4) V = 37.52 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = 6.1 Best Action: A3 State (3, 1, 3) V = 4.7 Best Action: A2
State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 2) V = -1.22 Best Action: A3 State (4, 2, 3) V = -1.48 Best Action: A3	State (1, 4, 1) V = -1.97 Best Action: A3 State (1, 4, 2) V = -1.97 Best Action: A3	State (3, 4, 1) V = 48.02 Best Action: A1 State (3, 4, 2) V = 29.84 Best Action: A3	Iteration 7: State (1, 1, 1) V = 11.09 Best Action: A1	State (3, 1, 4) V = 8.25 Best Action: A1 State (3, 2, 1) V = -100000 Best Action: No
State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 4) V = -1.48 Best Action: A3	State (1, 4, 3) V = -2.08 Best Action: A3	State (3, 4, 3) V = 37.92 Best Action: A4	State (1, 1, 2) V = -2.36 Best Action: A3	Action
State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = -1.22 Best Action: A3 State (4, 3, 2) V = -1.22 Best Action: A3	State (1, 4, 4) V = 28.34 Best Action: A2 State (1, 5, 1) V = -1.97 Best Action: A3	State (3, 4, 4) V = 37.92 Best Action: A3 State (3, 5, 1) V = 61.9 Best Action: A4	State (1, 1, 3) V = 8.37 Best Action: A4 State (1, 1, 4) V = 8.37 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action
State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = -1.48 Best Action: A3 State (4, 3, 4) V = -1.48 Best Action: A3	State (1, 5, 2) V = -1.97 Best Action: A3 State (1, 5, 3) V = -2.08 Best Action: A3	State (3, 5, 2) V = 61.9 Best Action: A3 State (3, 5, 3) V = 49.02 Best Action: A3	State (1, 2, 1) V = 15.74 Best Action: A2 State (1, 2, 2) V = 9.17 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action
State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = -2.08 Best Action: A3 State (2, 1, 1) V = -1.97 Best Action: A3	State (3, 5, 4) V = 78.0 Best Action: A2 State (4, 1, 1) V = 15.86 Best Action: A2	State (1, 2, 3) V = 12.09 Best Action: A4 State (1, 2, 4) V = 12.09 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action
State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -1.97 Best Action: A3 State (2, 1, 3) V = -2.08 Best Action: A3	State (4, 1, 2) V = -2.16 Best Action: A3 State (4, 1, 3) V = 12.19 Best Action: A4	State (1, 3, 1) V = 16.24 Best Action: A1 State (1, 3, 2) V = 9.49 Best Action: A3	State (3, 3, 1) V = 47.52 Best Action: A2 State (3, 3, 2) V = 29.52 Best Action: A3
State (2, 3, 3) V = -100000 Best Action: No	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = -2.08 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = 12.19 Best Action: A3 State (4, 2, 1) V = 16.36 Best Action: A1	State (1, 3, 3) V = 12.49 Best Action: A4 State (1, 3, 4) V = 12.49 Best Action: A3	State (3, 3, 3) V = 37.52 Best Action: A4 State (3, 3, 4) V = 37.52 Best Action: A3
Action State (2, 3, 4) V = -100000 Best Action: No	State (4, 4, 4) V = -1000 Best Action: No	Action	State (4, 2, 2) V = -2.16 Best Action: A3	State (1, 4, 1) V = 22.17 Best Action: A4	State (3, 4, 1) V = 48.02 Best Action: A1
Action State (2, 4, 1) V = -0.5 Best Action: A3	Action State (4, 5, 1) V = 62.3 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = 12.59 Best Action: A4 State (4, 2, 4) V = 12.59 Best Action: A3	State (1, 4, 2) V = 22.17 Best Action: A3 State (1, 4, 3) V = 17.24 Best Action: A3	State (3, 4, 2) V = 29.84 Best Action: A3 State (3, 4, 3) V = 37.92 Best Action: A4
State (2, 4, 2) V = -0.5 Best Action: A3 State (2, 4, 3) V = -0.9 Best Action: A3	State (4, 5, 2) V = 62.3 Best Action: A3 State (4, 5, 3) V = 49.34 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = 22.32 Best Action: A3 State (4, 3, 2) V = 22.32 Best Action: A4	State (1, 4, 4) V = 28.34 Best Action: A2 State (1, 5, 1) V = 9.49 Best Action: A3	State (3, 4, 4) V = 37.92 Best Action: A3 State (3, 5, 1) V = 61.9 Best Action: A4
State (2, 4, 4) V = -0.9 Best Action: A3 State (2, 5, 1) V = -0.5 Best Action: A3	State (4, 5, 4) V = 78.5 Best Action: A1 State (5, 1, 1) V = -1.22 Best Action: A3	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 28.52 Best Action: A1 State (4, 3, 4) V = 17.36 Best Action: A3	State (1, 5, 2) V = 16.24 Best Action: A1 State (1, 5, 3) V = 12.49 Best Action: A3	State (3, 5, 2) V = 61.9 Best Action: A3 State (3, 5, 3) V = 49.02 Best Action: A3
State (2, 5, 2) V = -0.5 Best Action: A3	State (5, 1, 2) V = -1.22 Best Action: A3 State (5, 1, 3) V = -1.48 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = 12.49 Best Action: A4 State (2, 1, 1) V = 5.7 Best Action: A4	State (3, 5, 4) V = 78.0 Best Action: A2 State (4, 1, 1) V = 15.86 Best Action: A2
State (2, 5, 3) V = -0.9 Best Action: A3 State (2, 5, 4) V = -0.9 Best Action: A3 State (3, 1, 1) V = 0.5 Best Action: A3	State (5, 1, 4) V = -1.48 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No	State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 2) V = 5.7 Best Action: A3	State (4, 1, 2) V = 9.25 Best Action: A3
State (3, 1, 1) V = -0.5 Best Action: A3 State (3, 1, 2) V = -0.5 Best Action: A3	State (5, 2, 1) V = -1.22 Best Action: A3 State (5, 2, 2) V = -1.22 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No	Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = 5.2 Best Action: A1 State (2, 1, 4) V = 7.75 Best Action: A2	State (4, 1, 3) V = 12.19 Best Action: A4 State (4, 1, 4) V = 12.19 Best Action: A3
State (3, 1, 3) V = -0.9 Best Action: A3 State (3, 1, 4) V = -0.9 Best Action: A3	State (5, 2, 3) V = -1.48 Best Action: A3 State (5, 2, 4) V = -1.48 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 1) V = 16.36 Best Action: A1 State (4, 2, 2) V = 9.57 Best Action: A3
State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = -1.22 Best Action: A3 State (5, 3, 2) V = -1.22 Best Action: A3	Action State (2, 4, 1) V = -1.97 Best Action: A3	Action State (4, 5, 1) V = 62.3 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = 12.59 Best Action: A4 State (4, 2, 4) V = 12.59 Best Action: A3
State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 3) V = -1.48 Best Action: A3 State (5, 3, 4) V = -1.48 Best Action: A3	State (2, 4, 2) V = -1.97 Best Action: A3 State (2, 4, 3) V = -2.08 Best Action: A3	State (4, 5, 2) V = 62.3 Best Action: A3 State (4, 5, 3) V = 49.34 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = 22.32 Best Action: A3 State (4, 3, 2) V = 22.32 Best Action: A4
Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 4, 1) V = 78.5 Best Action: A1	State (2, 4, 4) V = 28.84 Best Action: A1	State (4, 5, 4) V = 78.5 Best Action: A1	State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 3) V = 28.52 Best Action: A1
Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 49.34 Best Action: A3 State (5, 4, 3) V = 62.3 Best Action: A4	State (2, 5, 1) V = -1.97 Best Action: A3 State (2, 5, 2) V = -1.97 Best Action: A3	State (5, 1, 1) V = 15.54 Best Action: A2 State (5, 1, 2) V = -2.16 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = 17.36 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No
Action State (3, 3, 1) V = -0.5 Best Action: A3	State (5, 4, 4) V = 62.3 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = -2.08 Best Action: A3 State (2, 5, 4) V = -2.08 Best Action: A3	State (5, 1, 3) V = 11.93 Best Action: A4 State (5, 1, 4) V = 11.93 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No	Action State (4, 4, 2) V = -1000 Best Action: No
State (3, 3, 2) V = -0.5 Best Action: A3 State (3, 3, 3) V = -0.9 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = -1.97 Best Action: A3 State (3, 1, 2) V = -1.97 Best Action: A3	State (5, 2, 1) V = 16.04 Best Action: A1 State (5, 2, 2) V = -2.16 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No	Action State (4, 4, 3) V = -1000 Best Action: No
State (3, 3, 4) V = -0.9 Best Action: A3	State (5, 5, 4) V = 100 Best Action: No Action Iteration 3:	State (3, 1, 3) V = -2.08 Best Action: A3 State (3, 1, 4) V = -2.08 Best Action: A3	State (5, 2, 3) V = 12.33 Best Action: A4 State (5, 2, 4) V = 12.33 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No
State (3, 4, 1) V = -0.5 Best Action: A3 State (3, 4, 2) V = -0.5 Best Action: A3	State (1, 1, 1) V = -1.68 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No	State (5, 3, 1) V = 21.92 Best Action: A3	Action	Action
State (3, 4, 3) V = -0.9 Best Action: A3 State (3, 4, 4) V = -0.9 Best Action: A3	State (1, 1, 2) V = -1.68 Best Action: A3 State (1, 1, 3) V = -1.84 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 2) V = 21.92 Best Action: A4 State (5, 3, 3) V = 28.02 Best Action: A2	State (2, 4, 1) V = 22.57 Best Action: A4 State (2, 4, 2) V = 22.57 Best Action: A3	State (4, 5, 1) V = 62.3 Best Action: A4 State (4, 5, 2) V = 62.3 Best Action: A3
State (3, 5, 1) V = -0.5 Best Action: A3 State (3, 5, 2) V = -0.5 Best Action: A3	State (1, 1, 4) V = -1.84 Best Action: A3 State (1, 2, 1) V = -1.68 Best Action: A3	Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 4) V = 17.04 Best Action: A3 State (5, 4, 1) V = 78.5 Best Action: A1	State (2, 4, 3) V = 17.56 Best Action: A3 State (2, 4, 4) V = 28.84 Best Action: A1	State (4, 5, 3) V = 49.34 Best Action: A3 State (4, 5, 4) V = 78.5 Best Action: A1
State (3, 5, 3) V = -0.9 Best Action: A3 State (3, 5, 4) V = 78.0 Best Action: A2	State (1, 2, 2) V = -1.68 Best Action: A3 State (1, 2, 3) V = -1.84 Best Action: A3	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 49.34 Best Action: A3 State (5, 4, 3) V = 62.3 Best Action: A4	State (2, 5, 1) V = 9.7 Best Action: A3 State (2, 5, 2) V = 16.56 Best Action: A1	State (5, 1, 1) V = 15.54 Best Action: A2 State (5, 1, 2) V = 9.04 Best Action: A3
State (4, 1, 1) V = -0.5 Best Action: A3 State (4, 1, 2) V = -0.5 Best Action: A3	State (1, 2, 4) V = -1.84 Best Action: A3 State (1, 3, 1) V = -1.68 Best Action: A3	Action State (3, 3, 1) V = 47.52 Best Action: A2	State (5, 4, 4) V = 62.3 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = 12.75 Best Action: A3 State (2, 5, 4) V = 12.75 Best Action: A4	State (5, 1, 3) V = 11.93 Best Action: A4 State (5, 1, 4) V = 11.93 Best Action: A3
State (4, 1, 3) V = -0.9 Best Action: A3	State (1, 3, 2) V = -1.68 Best Action: A3 State (1, 3, 3) V = -1.84 Best Action: A3	State (3, 3, 2) V = 29.52 Best Action: A3 State (3, 3, 3) V = 37.52 Best Action: A4	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = 6.1 Best Action: A4	State (5, 2, 1) V = 16.04 Best Action: A1 State (5, 2, 2) V = 9.36 Best Action: A3
State (4, 1, 4) V = -0.9 Best Action: A3 State (4, 2, 1) V = -0.5 Best Action: A3	State (1, 3, 4) V = -1.84 Best Action: A3	State (3, 3, 4) V = 37.52 Best Action: A3	State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = 6.1 Best Action: A3 State (3, 1, 3) V = 4.7 Best Action: A2	State (5, 2, 3) V = 12.33 Best Action: A4
State (4, 2, 2) V = -0.5 Best Action: A3 State (4, 2, 3) V = -0.9 Best Action: A3	State (1, 4, 1) V = -1.68 Best Action: A3 State (1, 4, 2) V = -1.68 Best Action: A3	State (3, 4, 1) V = 48.02 Best Action: A1 State (3, 4, 2) V = 29.84 Best Action: A3	Iteration 6: State (1, 1, 1) V = -2.28 Best Action: A3	State (3, 1, 4) V = 8.25 Best Action: A1 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 12.33 Best Action: A3 State (5, 3, 1) V = 21.92 Best Action: A3
State (4, 2, 4) V = -0.9 Best Action: A3 State (4, 3, 1) V = -0.5 Best Action: A3	State (1, 4, 3) V = -1.84 Best Action: A3 State (1, 4, 4) V = -1.84 Best Action: A3	State (3, 4, 3) V = 37.92 Best Action: A4 State (3, 4, 4) V = 37.92 Best Action: A3	State (1, 1, 2) V = -2.28 Best Action: A3 State (1, 1, 3) V = -2.32 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 2) V = 21.92 Best Action: A4 State (5, 3, 3) V = 28.02 Best Action: A2
State (4, 3, 2) V = -0.5 Best Action: A3 State (4, 3, 3) V = -0.9 Best Action: A3	State (1, 5, 1) V = -1.68 Best Action: A3 State (1, 5, 2) V = -1.68 Best Action: A3	State (3, 5, 1) V = 61.9 Best Action: A4 State (3, 5, 2) V = 61.9 Best Action: A3	State (1, 1, 4) V = -2.32 Best Action: A3 State (1, 2, 1) V = 15.74 Best Action: A2	Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 4) V = 17.04 Best Action: A3 State (5, 4, 1) V = 78.5 Best Action: A1
State (4, 3, 4) V = -0.9 Best Action: A3	State (1, 5, 3) V = -1.84 Best Action: A3 State (1, 5, 4) V = -1.84 Best Action: A3	State (3, 5, 3) V = 49.02 Best Action: A3 State (3, 5, 4) V = 78.0 Best Action: A2	State (1, 2, 2) V = -2.28 Best Action: A3 State (1, 2, 3) V = 12.09 Best Action: A4	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 49.34 Best Action: A3 State (5, 4, 3) V = 62.3 Best Action: A4
State (4, 4, 1) V = -1000 Best Action: No Action	State (2, 1, 1) V = -1.68 Best Action: A3	State (4, 1, 1) V = -1.97 Best Action: A3	State (1, 2, 4) V = 12.09 Best Action: A3	Action	State (5, 4, 4) V = 62.3 Best Action: A3
State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -1.68 Best Action: A3 State (2, 1, 3) V = -1.84 Best Action: A3	State (4, 1, 2) V = -1.97 Best Action: A3 State (4, 1, 3) V = -2.08 Best Action: A3	State (1, 3, 1) V = 16.24 Best Action: A1 State (1, 3, 2) V = -2.28 Best Action: A3	State (3, 3, 1) V = 47.52 Best Action: A2 State (3, 3, 2) V = 29.52 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action
State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = -1.84 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -2.08 Best Action: A3 State (4, 2, 1) V = -1.97 Best Action: A3	State (1, 3, 3) V = 12.49 Best Action: A4 State (1, 3, 4) V = 12.49 Best Action: A3	State (3, 3, 3) V = 37.52 Best Action: A4 State (3, 3, 4) V = 37.52 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action
State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = -1.97 Best Action: A3 State (4, 2, 3) V = -2.08 Best Action: A3	State (1, 4, 1) V = 22.17 Best Action: A4 State (1, 4, 2) V = 22.17 Best Action: A3	State (3, 4, 1) V = 48.02 Best Action: A1 State (3, 4, 2) V = 29.84 Best Action: A3	Iteration 9: State (1, 1, 1) V = 11.09 Best Action: A1
State (4, 5, 1) V = -0.5 Best Action: A3	Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = -2.08 Best Action: A3 State (4, 3, 1) V = 22.32 Best Action: A3	State (1, 4, 3) V = 17.24 Best Action: A3 State (1, 4, 4) V = 28.34 Best Action: A2	State (3, 4, 3) V = 37.92 Best Action: A4 State (3, 4, 4) V = 37.92 Best Action: A3	State (1, 1, 2) V = 6.2 Best Action: A3 State (1, 1, 3) V = 8.37 Best Action: A4
State (4, 5, 2) V = -0.5 Best Action: A3 State (4, 5, 3) V = -0.9 Best Action: A3	Action	State (4, 3, 2) V = 22.32 Best Action: A4	State (1, 5, 1) V = 9.49 Best Action: A3	State (3, 5, 1) V = 61.9 Best Action: A4	State (1, 1, 4) V = 8.37 Best Action: A3
State (4, 5, 4) V = 78.5 Best Action: A1 State (5, 1, 1) V = -0.5 Best Action: A3	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 28.52 Best Action: A1 State (4, 3, 4) V = 17.36 Best Action: A3	State (1, 5, 2) V = 16.24 Best Action: A1 State (1, 5, 3) V = 12.49 Best Action: A3	State (3, 5, 2) V = 61.9 Best Action: A3 State (3, 5, 3) V = 49.02 Best Action: A3	State (1, 2, 1) V = 15.74 Best Action: A2 State (1, 2, 2) V = 9.17 Best Action: A3
State (5, 1, 2) V = -0.5 Best Action: A3 State (5, 1, 3) V = -0.9 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = 12.49 Best Action: A4 State (2, 1, 1) V = -2.28 Best Action: A3	State (3, 5, 4) V = 78.0 Best Action: A2 State (4, 1, 1) V = 15.86 Best Action: A2	State (1, 2, 3) V = 12.09 Best Action: A4 State (1, 2, 4) V = 12.09 Best Action: A3
State (5, 1, 4) V = -0.9 Best Action: A3 State (5, 2, 1) V = -0.5 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -2.28 Best Action: A3 State (2, 1, 3) V = -2.32 Best Action: A3	State (4, 1, 2) V = 9.25 Best Action: A3 State (4, 1, 3) V = 12.19 Best Action: A4	State (1, 3, 1) V = 16.24 Best Action: A1 State (1, 3, 2) V = 9.49 Best Action: A3
State (5, 2, 2) V = -0.5 Best Action: A3 State (5, 2, 3) V = -0.9 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = 7.75 Best Action: A2 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = 12.19 Best Action: A3 State (4, 2, 1) V = 16.36 Best Action: A1	State (1, 3, 3) V = 12.49 Best Action: A4 State (1, 3, 4) V = 12.49 Best Action: A3
State (5, 2, 4) V = -0.9 Best Action: A3 State (5, 3, 1) V = -0.5 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = 9.57 Best Action: A3 State (4, 2, 3) V = 12.59 Best Action: A4	State (1, 4, 1) V = 22.17 Best Action: A4 State (1, 4, 2) V = 22.17 Best Action: A3
State (5, 3, 2) V = -0.5 Best Action: A3	State (2, 4, 1) V = -1.68 Best Action: A3 State (2, 4, 2) V = -1.68 Best Action: A3	State (4, 5, 1) V = 62.3 Best Action: A4 State (4, 5, 2) V = 62.3 Best Action: A3	Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = 12.59 Best Action: A3 State (4, 3, 1) V = 22.32 Best Action: A3	State (1, 4, 3) V = 17.24 Best Action: A3 State (1, 4, 4) V = 28.34 Best Action: A2
State (5, 3, 3) V = -0.9 Best Action: A3 State (5, 3, 4) V = -0.9 Best Action: A3	State (2, 4, 3) V = -1.84 Best Action: A3	State (4, 5, 3) V = 49.34 Best Action: A3	Action	State (4, 3, 2) V = 22.32 Best Action: A4	State (1, 5, 1) V = 9.49 Best Action: A3
State (5, 4, 1) V = 78.5 Best Action: A1 State (5, 4, 2) V = -0.5 Best Action: A3	State (2, 4, 4) V = -1.84 Best Action: A3 State (2, 5, 1) V = -1.68 Best Action: A3	State (4, 5, 4) V = 78.5 Best Action: A1 State (5, 1, 1) V = -1.97 Best Action: A3	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 28.52 Best Action: A1 State (4, 3, 4) V = 17.36 Best Action: A3	State (1, 5, 2) V = 16.24 Best Action: A1 State (1, 5, 3) V = 12.49 Best Action: A3
State (5, 4, 3) V = 62.3 Best Action: A4 State (5, 4, 4) V = 62.3 Best Action: A3	State (2, 5, 2) V = -1.68 Best Action: A3 State (2, 5, 3) V = -1.84 Best Action: A3	State (5, 1, 2) V = -1.97 Best Action: A3 State (5, 1, 3) V = -2.08 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = 12.49 Best Action: A4 State (2, 1, 1) V = 5.7 Best Action: A4
State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = -1.84 Best Action: A3 State (3, 1, 1) V = -1.68 Best Action: A3	State (5, 1, 4) V = -2.08 Best Action: A3 State (5, 2, 1) V = -1.97 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = 5.7 Best Action: A3 State (2, 1, 3) V = 5.2 Best Action: A1
State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -1.68 Best Action: A3 State (3, 1, 3) V = -1.84 Best Action: A3	State (5, 2, 2) V = -1.97 Best Action: A3 State (5, 2, 3) V = -2.08 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = 7.75 Best Action: A2 State (2, 2, 1) V = -100000 Best Action: No
Iteration 2: State (1, 1, 1) V = -1.22 Best Action: A3	State (3, 1, 4) V = -1.84 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = -2.08 Best Action: A3 State (5, 3, 1) V = 21.92 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No
State (1, 1, 2) V = -1.22 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 1) V = 21.92 Best Action: A4 State (5, 3, 3) V = 28.02 Best Action: A2	State (2, 4, 1) V = 22.57 Best Action: A4 State (2, 4, 2) V = 22.57 Best Action: A3	State (4, 5, 1) V = 62.3 Best Action: A4 State (4, 5, 2) V = 62.3 Best Action: A3	Action State (2, 2, 3) V = -100000 Best Action: No
State (1, 1, 3) V = -1.48 Best Action: A3 State (1, 1, 4) V = -1.48 Best Action: A3 Character (1, 2, 4) V = -1.23 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 4) V = 17.04 Best Action: A3	State (2, 4, 2) V = 22.57 Best Action: A3 State (2, 4, 3) V = 17.56 Best Action: A3 State (2, 4, 4) V = 28.84 Best Action: A1	State (4, 5, 3) V = 49.34 Best Action: A3 State (4, 5, 4) V = 78.5 Best Action: A1	Action
State (1, 2, 1) V = -1.22 Best Action: A3 State (1, 2, 2) V = -1.22 Best Action: A3	Action	State (5, 4, 1) V = 78.5 Best Action: A1 State (5, 4, 2) V = 49.34 Best Action: A3	State (2, 5, 1) V = 9.7 Best Action: A3	State (5, 1, 1) V = 15.54 Best Action: A2	State (2, 2, 4) V = -100000 Best Action: No Action
State (1, 2, 3) V = -1.48 Best Action: A3 State (1, 2, 4) V = -1.48 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 62.3 Best Action: A4 State (5, 4, 4) V = 62.3 Best Action: A3	State (2, 5, 2) V = 16.56 Best Action: A1 State (2, 5, 3) V = 12.75 Best Action: A3	State (5, 1, 2) V = 9.04 Best Action: A3 State (5, 1, 3) V = 11.93 Best Action: A4	State (2, 3, 1) V = -100000 Best Action: No Action
State (1, 3, 1) V = -1.22 Best Action: A3 State (1, 3, 2) V = -1.22 Best Action: A3	State (3, 3, 1) V = 47.52 Best Action: A2 State (3, 3, 2) V = -1.68 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = 12.75 Best Action: A4 State (3, 1, 1) V = -2.28 Best Action: A3	State (5, 1, 4) V = 11.93 Best Action: A3 State (5, 2, 1) V = 16.04 Best Action: A1	State (2, 3, 2) V = -100000 Best Action: No Action
State (1, 3, 3) V = -1.48 Best Action: A3 State (1, 3, 4) V = -1.48 Best Action: A3 State (1, 3, 4) V = -1.48 Best Action: A3	State (3, 3, 3) V = 37.52 Best Action: A4 State (3, 3, 4) V = 37.52 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -2.28 Best Action: A3 State (3, 1, 3) V = -2.32 Best Action: A3	State (5, 2, 2) V = 9.36 Best Action: A3 State (5, 2, 3) V = 12.33 Best Action: A4	State (2, 3, 3) V = -100000 Best Action: No Action
State (1, 4, 1) V = -1.22 Best Action: A3	State (3, 4, 1) V = 48.02 Best Action: A1 State (3, 4, 2) V = -1.68 Best Action: A3	Iteration 5: State (1, 1, 1) V = -2.16 Best Action: A3	State (3, 1, 4) V = 8.25 Best Action: A1 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 12.33 Best Action: A4 State (5, 2, 4) V = 12.33 Best Action: A3 State (5, 3, 1) V = 21.92 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action
State (1, 4, 2) V = -1.22 Best Action: A3 State (1, 4, 3) V = -1.48 Best Action: A3	State (3, 4, 3) V = 37.92 Best Action: A4	State (1, 1, 2) V = -2.16 Best Action: A3	Action	State (5, 3, 2) V = 21.92 Best Action: A4	State (2, 4, 1) V = 22.57 Best Action: A4
State (1, 4, 4) V = -1.48 Best Action: A3 State (1, 5, 1) V = -1.22 Best Action: A3	State (3, 4, 4) V = 37.92 Best Action: A3 State (3, 5, 1) V = 61.9 Best Action: A4	State (1, 1, 3) V = -2.23 Best Action: A3 State (1, 1, 4) V = -2.23 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 28.02 Best Action: A2 State (5, 3, 4) V = 17.04 Best Action: A3	State (2, 4, 2) V = 22.57 Best Action: A3 State (2, 4, 3) V = 17.56 Best Action: A3
State (1, 5, 2) V = -1.22 Best Action: A3 State (1, 5, 3) V = -1.48 Best Action: A3	State (3, 5, 2) V = 61.9 Best Action: A3 State (3, 5, 3) V = 49.02 Best Action: A3	State (1, 2, 1) V = -2.16 Best Action: A3 State (1, 2, 2) V = -2.16 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 78.5 Best Action: A1 State (5, 4, 2) V = 49.34 Best Action: A3	State (2, 4, 4) V = 28.84 Best Action: A1 State (2, 5, 1) V = 9.7 Best Action: A3
State (1, 5, 4) V = -1.48 Best Action: A3 State (2, 1, 1) V = -1.22 Best Action: A3	State (3, 5, 4) V = 78.0 Best Action: A2 State (4, 1, 1) V = -1.68 Best Action: A3	State (1, 2, 3) V = -2.23 Best Action: A3 State (1, 2, 4) V = -2.23 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 62.3 Best Action: A4 State (5, 4, 4) V = 62.3 Best Action: A3	State (2, 5, 2) V = 16.56 Best Action: A1 State (2, 5, 3) V = 12.75 Best Action: A3
State (2, 1, 2) V = -1.22 Best Action: A3 State (2, 1, 3) V = -1.48 Best Action: A3 State (2, 1, 3) V = -1.48 Best Action: A3	State (4, 1, 2) V = -1.68 Best Action: A3 State (4, 1, 3) V = -1.84 Best Action: A3	State (1, 3, 1) V = -2.16 Best Action: A3 State (1, 3, 2) V = -2.16 Best Action: A3	State (3, 3, 1) V = 47.52 Best Action: A2 State (3, 3, 2) V = 29.52 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = 12.75 Best Action: A4 State (3, 1, 1) V = 6.1 Best Action: A4
State (2, 1, 4) V = -1.48 Best Action: A3	State (4, 1, 1) V = -1.84 Best Action: A3 State (4, 2, 1) V = -1.68 Best Action: A3 State (4, 2, 1) V = -1.68 Best Action: A3	State (1, 3, 4) V = -2.23 Best Action: A3 State (1, 3, 4) V = -2.23 Best Action: A3 State (1, 3, 4) V = -2.23 Best Action: A3	State (3, 3, 3) V = 37.52 Best Action: A4 State (3, 3, 4) V = 37.52 Best Action: A4	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = 6.1 Best Action: A3 State (3, 1, 3) V = 4.7 Best Action: A2
State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 2) V = -1.68 Best Action: A3	State (1, 4, 1) V = 22.17 Best Action: A4	State (3, 4, 1) V = 48.02 Best Action: A1	Iteration 8:	State (3, 1, 4) V = 8.25 Best Action: A1
State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = -1.84 Best Action: A3 State (4, 2, 4) V = -1.84 Best Action: A3	State (1, 4, 2) V = 22.17 Best Action: A3 State (1, 4, 3) V = 17.24 Best Action: A3	State (3, 4, 2) V = 29.84 Best Action: A3 State (3, 4, 3) V = 37.92 Best Action: A4	State (1, 1, 1) V = 11.09 Best Action: A1 State (1, 1, 2) V = 6.2 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action
State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = -1.68 Best Action: A3 State (4, 3, 2) V = -1.68 Best Action: A3	State (1, 4, 4) V = 28.34 Best Action: A2 State (1, 5, 1) V = -2.16 Best Action: A3	State (3, 4, 4) V = 37.92 Best Action: A3 State (3, 5, 1) V = 61.9 Best Action: A4	State (1, 1, 3) V = 8.37 Best Action: A4 State (1, 1, 4) V = 8.37 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action
State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 4) V = 28.52 Best Action: A1 State (4, 3, 4) V = -1.84 Best Action: A3	State (1, 5, 2) V = 16.24 Best Action: A1 State (1, 5, 3) V = 12.49 Best Action: A3	State (3, 5, 2) V = 61.9 Best Action: A3 State (3, 5, 3) V = 49.02 Best Action: A3	State (1, 2, 1) V = 15.74 Best Action: A2 State (1, 2, 2) V = 9.17 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action
State (2, 3, 1) V = -100000 Best Action: No	State (4, 4, 1) V = -1.000 Best Action: No Action	State (1, 5, 4) V = 12.49 Best Action: A4	State (3, 5, 4) V = 78.0 Best Action: A2	State (1, 2, 3) V = 12.09 Best Action: A4	State (3, 2, 4) V = -100000 Best Action: No
Action State (2, 3, 2) V = -100000 Best Action: No	State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = -2.16 Best Action: A3 State (2, 1, 2) V = -2.16 Best Action: A3	State (4, 1, 1) V = 15.86 Best Action: A2 State (4, 1, 2) V = 9.25 Best Action: A3 State (4, 1, 2) V = 13.10 Best Action A4	State (1, 2, 4) V = 12.09 Best Action: A3 State (1, 3, 1) V = 16.24 Best Action: A1 State (1, 3, 3) V = 0.40 Best Action: A2	State (3, 3, 1) V = 47.52 Best Action: A2
Action State (2, 3, 3) V = -100000 Best Action: No	Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = -2.23 Best Action: A3 State (2, 1, 4) V = -2.23 Best Action: A3	State (4, 1, 3) V = 12.19 Best Action: A4 State (4, 1, 4) V = 12.19 Best Action: A3	State (1, 3, 2) V = 9.49 Best Action: A3 State (1, 3, 3) V = 12.49 Best Action: A4	State (3, 3, 2) V = 29.52 Best Action: A3 State (3, 3, 3) V = 37.52 Best Action: A4
Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 1) V = 16.36 Best Action: A1 State (4, 2, 2) V = 9.57 Best Action: A3	State (1, 3, 4) V = 12.49 Best Action: A3 State (1, 4, 1) V = 22.17 Best Action: A4	State (3, 3, 4) V = 37.52 Best Action: A3 State (3, 4, 1) V = 48.02 Best Action: A1
Action State (2, 4, 1) V = -1.22 Best Action: A3	Action State (4, 5, 1) V = 62.3 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = 12.59 Best Action: A4 State (4, 2, 4) V = 12.59 Best Action: A3	State (1, 4, 2) V = 22.17 Best Action: A3 State (1, 4, 3) V = 17.24 Best Action: A3	State (3, 4, 2) V = 29.84 Best Action: A3 State (3, 4, 3) V = 37.92 Best Action: A4
State (2, 4, 2) V = -1.22 Best Action: A3	State (4, 5, 2) V = 62.3 Best Action: A3 State (4, 5, 3) V = 49.34 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = 22.32 Best Action: A3 State (4, 3, 2) V = 22.32 Best Action: A4	State (1, 4, 4) V = 28.34 Best Action: A2 State (1, 5, 1) V = 9.49 Best Action: A3	State (3, 4, 4) V = 37.92 Best Action: A4 State (3, 5, 1) V = 61.9 Best Action: A4
State (2, 4, 3) V = -1.48 Best Action: A3 State (2, 4, 4) V = -1.48 Best Action: A3	State (4, 5, 4) V = 78.5 Best Action: A1	State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 3) V = 28.52 Best Action: A1	State (1, 5, 2) V = 16.24 Best Action: A1	State (3, 5, 2) V = 61.9 Best Action: A3
State (2, 5, 1) V = -1.22 Best Action: A3 State (2, 5, 2) V = -1.22 Best Action: A3	State (5, 1, 1) V = -1.68 Best Action: A3 State (5, 1, 2) V = -1.68 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 4, 4) V = 17.36 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 3) V = 12.49 Best Action: A3 State (1, 5, 4) V = 12.49 Best Action: A4	State (3, 5, 3) V = 49.02 Best Action: A3 State (3, 5, 4) V = 78.0 Best Action: A2
State (2, 5, 3) V = -1.48 Best Action: A3 State (2, 5, 4) V = -1.48 Best Action: A3	State (5, 1, 3) V = -1.84 Best Action: A3 State (5, 1, 4) V = -1.84 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No	Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = 5.7 Best Action: A4 State (2, 1, 2) V = 5.7 Best Action: A3	State (4, 1, 1) V = 15.86 Best Action: A2 State (4, 1, 2) V = 9.25 Best Action: A3
State (3, 1, 1) V = -1.22 Best Action: A3	State (5, 2, 1) V = -1.68 Best Action: A3	Action	Action	State (2, 1, 3) V = 5.2 Best Action: A1	State (4, 1, 3) V = 12.19 Best Action: A4

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State (4, 1, 4) V = 12.19 Best Action: A3
State (4, 2, 1) V = 16.36 Best Action: A1
State (4, 2, 2) V = 9.57 Best Action: A3
 State (4, 2, 3) V = 12.59 Best Action: A4
State (4, 2, 4) V = 12.59 Best Action: A3
State (4, 3, 1) V = 22.32 Best Action: A3
State (4, 3, 2) V = 22.32 Best Action: A4
  State (4, 3, 3) V = 28.52 Best Action: A1
  State (4, 3, 4) V = 17.36 Best Action: A3
  State (4, 4, 1) V = -1000 Best Action: No
  Action
State (4, 4, 2) V = -1000 Best Action: No
  Action
  State (4, 4, 3) V = -1000 Best Action: No
  Action
State (4, 4, 4) V = -1000 Best Action: No
  Action
State (4, 5, 1) V = 62.3 Best Action: A4
  State (4, 5, 2) V = 62.3 Best Action: A3
 State (4, 5, 2) V = 49.34 Best Action: A3
State (4, 5, 4) V = 78.5 Best Action: A1
State (5, 1, 1) V = 15.54 Best Action: A2
State (5, 1, 2) V = 9.04 Best Action: A3
  State (5, 1, 3) V = 11.93 Best Action: A4
State (5, 1, 4) V = 11.93 Best Action: A3
 State (5, 2, 1) V = 11.93 Best Action: A3
State (5, 2, 1) V = 16.04 Best Action: A1
State (5, 2, 2) V = 9.36 Best Action: A3
State (5, 2, 3) V = 12.33 Best Action: A4
 State (5, 2, 4) V = 12.33 Best Action: A3
State (5, 3, 1) V = 21.92 Best Action: A3
  State (5, 3, 1) V = 21.92 Best Action: A3
State (5, 3, 2) V = 21.92 Best Action: A4
State (5, 3, 3) V = 28.02 Best Action: A2
  State (5, 3, 4) V = 17.04 Best Action: A3
  State (5, 4, 1) V = 78.5 Best Action: A1
  State (5, 4, 2) V = 49.34 Best Action: A3
  State (5, 4, 2) V = 49.34 Best Action: As
State (5, 4, 3) V = 62.3 Best Action: A4
State (5, 4, 4) V = 62.3 Best Action: A3
  State (5, 5, 1) V = 100 Best Action: No Action
State (5, 5, 2) V = 100 Best Action: No Action
  State (5, 5, 3) V = 100 Best Action: No Action
 State (5, 5, 4) V = 100 Best Action: No Action Iteration 10:
State (1, 1, 1) V = 11.09 Best Action: A1
  State (1, 1, 2) V = 6.2 Best Action: A3
 State (1, 1, 3) V = 8.37 Best Action: A4
State (1, 1, 4) V = 8.37 Best Action: A3
State (1, 2, 1) V = 15.74 Best Action: A2
State (1, 2, 2) V = 9.17 Best Action: A3
State (1, 2, 2) V = 9.17 Best Action: A3
State (1, 2, 4) V = 12.09 Best Action: A4
State (1, 3, 1) V = 16.24 Best Action: A1
State (1, 3, 2) V = 9.49 Best Action: A3
State (1, 3, 3) V = 12.49 Best Action: A4
  State (1, 3, 4) V = 12.49 Best Action: A3
  State (1, 4, 1) V = 22.17 Best Action: A4
 State (1, 4, 1) v = 22.17 Best Action: A4
State (1, 4, 2) V = 22.17 Best Action: A3
State (1, 4, 3) V = 17.24 Best Action: A3
State (1, 4, 4) V = 28.34 Best Action: A2
  State (1, 5, 1) V = 9.49 Best Action: A3
State (1, 5, 1) V = 9.4.9
State (1, 5, 2) V = 16.24
State (1, 5, 3) V = 12.49
State (1, 5, 4) V = 12.49
State (2, 1, 1) V = 5.7
State (2, 1, 1) V = 5.7
Sest Action: A4
State (2, 1, 2) V = 5.7
 State (2, 1, 3) V = 5.2 Best Action: A1

State (2, 1, 4) V = 7.75 Best Action: A2

State (2, 2, 1) V = -100000 Best Action: No
  Action
  State (2, 2, 2) V = -100000 Best Action: No
  Action
  State (2. 2. 3) V = -100000 Best Action: No
 Action
State (2, 2, 3) V = -100000 Best Action: No
Best Action: No
Best Action: No
  State (2, 3, 1) V = -100000 Best Action: No
   State (2, 3, 2) V = -100000 Best Action: No
  State (2, 3, 3) V = -100000 Best Action: No
Action
State (2, 3, 4) V = -100000
Best Action: No
Action
State (2, 4, 1) V = 22.57
Best Action: A4
State (2, 4, 3) V = 17.56
Best Action: A3
State (2, 4, 4) V = 28.84
Best Action: A3
State (2, 5, 1) V = 9.7
Best Action: A1
State (2, 5, 2) V = 16.56
Best Action: A1
State (2, 5, 3) V = 12.75
Best Action: A1
State (2, 5, 4) V = 12.75
Best Action: A3
State (2, 5, 4) V = 12.75
Best Action: A3
State (2, 5, 4) V = 12.75
Best Action: A3
State (3, 1) V = 6.1
Best Action: A4
  Action
 State (3, 1, 1) V = 6.1 Best Action: A4
State (3, 1, 2) V = 6.1 Best Action: A3
State (3, 1, 3) V = 4.7 Best Action: A2
State (3, 1, 4) V = 8.25 Best Action: A1
  State (3, 2, 1) V = -100000 Best Action: No
  State (3, 2, 2) V = -100000 Best Action: No
  Action
State (3, 2, 3) V = -100000 Best Action: No
  Action
  State (3, 2, 4) V = -100000 Best Action: No
State (3, 2, 4) V = -100000 Best Action: 1
Action
State (3, 3, 1) V = 47.52 Best Action: A2
State (3, 3, 3) V = 37.52 Best Action: A3
State (3, 3, 3) V = 37.52 Best Action: A3
State (3, 3, 4) V = 37.52 Best Action: A3
 State (3, 4, 1) V = 48.02 Best Action: A1
State (3, 4, 2) V = 29.84 Best Action: A3
State (3, 4, 3) V = 37.92 Best Action: A4
  State (3, 4, 4) V = 37.92 Best Action: A3
  State (3, 5, 1) V = 61.9 Best Action: A4
  State (3, 5, 2) V = 61.9 Best Action: A3
State (3, 5, 3) V = 49.02 Best Action: A3
  State (3, 5, 4) V = 78.0 Best Action: A2
  State (4, 1, 1) V = 15.86 Best Action: A2
  State (4, 1, 2) V = 9.25 Best Action: A3
  State (4, 1, 3) V = 12.19 Best Action: A3
State (4, 1, 4) V = 12.19 Best Action: A3
  State (4, 2, 1) V = 16.36 Best Action: A1
  State (4, 2, 2) V = 9.57 Best Action: A3
 State (4, 2, 3) V = 12.59 Best Action: A4
State (4, 2, 4) V = 12.59 Best Action: A3
State (4, 3, 1) V = 22.32 Best Action: A3
State (4, 3, 2) V = 22.32 Best Action: A4
  State (4, 3, 3) V = 28.52 Best Action: A1
  State (4, 3, 4) V = 17.36 Best Action: A3
  State (4, 4, 1) V = -1000 Best Action: No
  Action State (4, 4, 2) V = -1000 Best Action: No
  Action
  State (4, 4, 3) V = -1000 Best Action: No
  State (4, 4, 4) V = -1000 Best Action: No
  State (4, 5, 1) V = 62.3 Best Action: A4
  State (4, 5, 2) V = 62.3 Best Action: A3
 State (4, 5, 3) V = 49.34 Best Action: A3
State (4, 5, 4) V = 78.5 Best Action: A1
State (5, 1, 1) V = 15.54 Best Action: A2
  State (5, 1, 2) V = 9.04 Best Action: A3
  State (5, 1, 3) V = 11.93 Best Action: A4
 State (5, 1, 4) V = 11.93 Best Action: A3
State (5, 2, 1) V = 16.04 Best Action: A1
State (5, 2, 2) V = 9.36 Best Action: A3
  State (5, 2, 3) V = 12.33 Best Action: A4
  State (5, 2, 4) V = 12.33 Best Action: A3
 State (5, 3, 1) V = 21.92 Best Action: A3
State (5, 3, 2) V = 21.92 Best Action: A4
State (5, 3, 3) V = 28.02 Best Action: A2
State (5, 3, 4) V = 17.04 Best Action: A2
  State (5, 4, 1) V = 78.5 Best Action: A1
  State (5, 4, 2) V = 49,34 Best Action: A3
  State (5, 4, 3) V = 62.3 Best Action: A4
State (5, 4, 4) V = 62.3 Best Action: A3
  State (5, 5, 1) V = 100 Best Action: No Action
  State (5, 5, 2) V = 100 Best Action: No Action
State (5, 5, 3) V = 100 Best Action: No Action
  State (5, 5, 4) V = 100 Best Action: No Action
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Ans E)	State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 2) V = -0.62 Best Action: A3	State (5, 2, 1) V = -0.62 Best Action: A3 State (5, 2, 2) V = -0.62 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -0.62 Best Action: A3 State (2, 1, 3) V = -0.62 Best Action: A3
Maration 1.	State (3, 1, 3) V = -0.62 Best Action: A3 State (3, 1, 4) V = -0.62 Best Action: A3	State (5, 2, 3) V = -0.62 Best Action: A3 State (5, 2, 4) V = -0.62 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = -0.62 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No
Iteration 1: State (1, 1, 1) V = -0.5 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = -0.62 Best Action: A3 State (5, 3, 2) V = -0.62 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No
State (1, 1, 2) V = -0.5 Best Action: A3 State (1, 1, 3) V = -0.6 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 3) V = -0.62 Best Action: A3	State (2, 4, 1) V = -0.62 Best Action: A3	State (4, 5, 1) V = 3.2 Best Action: A4	Action
State (1, 1, 4) V = -0.6 Best Action: A3 State (1, 2, 1) V = -0.5 Best Action: A3	Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 4) V = -0.62 Best Action: A3 State (5, 4, 1) V = 18.5 Best Action: A1	State (2, 4, 2) V = -0.62 Best Action: A3 State (2, 4, 3) V = -0.62 Best Action: A3	State (4, 5, 2) V = 3.2 Best Action: A3 State (4, 5, 3) V = 0.14 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No Action
State (1, 2, 2) V = -0.5 Best Action: A3	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 0.14 Best Action: A3 State (5, 4, 3) V = 3.2 Best Action: A4	State (2, 4, 4) V = -0.62 Best Action: A3 State (2, 5, 1) V = -0.62 Best Action: A3	State (4, 5, 4) V = 18.5 Best Action: A1 State (5, 1, 1) V = -0.62 Best Action: A3	State (2, 2, 4) V = -100000 Best Action: No Action
State (1, 2, 3) V = -0.6 Best Action: A3 State (1, 2, 4) V = -0.6 Best Action: A3	Action	State (5, 4, 4) V = 3.2 Best Action: A3	State (2, 5, 2) V = -0.62 Best Action: A3	State (5, 1, 2) V = -0.62 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No
State (1, 3, 1) V = -0.5 Best Action: A3 State (1, 3, 2) V = -0.5 Best Action: A3	State (3, 3, 1) V = -0.62 Best Action: A3 State (3, 3, 2) V = -0.62 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 3) V = -0.62 Best Action: A3 State (2, 5, 4) V = -0.62 Best Action: A3	State (5, 1, 3) V = -0.62 Best Action: A3 State (5, 1, 4) V = -0.62 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No
State (1, 3, 3) V = -0.6 Best Action: A3	State (3, 3, 3) V = -0.62 Best Action: A3 State (3, 3, 4) V = -0.62 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 2) V = -0.62 Best Action: A3	State (5, 2, 1) V = -0.62 Best Action: A3 State (5, 2, 2) V = -0.62 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No
State (1, 3, 4) V = -0.6 Best Action: A3 State (1, 4, 1) V = -0.5 Best Action: A3	State (3, 4, 1) V = -0.62 Best Action: A3	Iteration 4:	State (3, 1, 3) V = -0.62 Best Action: A3	State (5, 2, 3) V = -0.62 Best Action: A3	Action
State (1, 4, 2) V = -0.5 Best Action: A3 State (1, 4, 3) V = -0.6 Best Action: A3	State (3, 4, 2) V = -0.62 Best Action: A3 State (3, 4, 3) V = -0.62 Best Action: A3	State (1, 1, 1) V = -0.62 Best Action: A3 State (1, 1, 2) V = -0.62 Best Action: A3	State (3, 1, 4) V = -0.62 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = -0.62 Best Action: A3 State (5, 3, 1) V = -0.62 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action
State (1, 4, 4) V = -0.6 Best Action: A3	State (3, 4, 4) V = -0.62 Best Action: A3 State (3, 5, 1) V = 3.1 Best Action: A4	State (1, 1, 3) V = -0.62 Best Action: A3 State (1, 1, 4) V = -0.62 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 2) V = -0.62 Best Action: A3 State (5, 3, 3) V = -0.62 Best Action: A3	State (2, 4, 1) V = -0.62 Best Action: A3 State (2, 4, 2) V = -0.62 Best Action: A3
State (1, 5, 1) V = -0.5 Best Action: A3 State (1, 5, 2) V = -0.5 Best Action: A3	State (3, 5, 2) V = 3.1 Best Action: A3	State (1, 2, 1) V = -0.62 Best Action: A3	Action	State (5, 3, 4) V = -0.62 Best Action: A3	State (2, 4, 3) V = -0.62 Best Action: A3
State (1, 5, 3) V = -0.6 Best Action: A3 State (1, 5, 4) V = -0.6 Best Action: A3	State (3, 5, 3) V = 0.12 Best Action: A3 State (3, 5, 4) V = 18.0 Best Action: A2	State (1, 2, 2) V = -0.62 Best Action: A3 State (1, 2, 3) V = -0.62 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 18.5 Best Action: A1 State (5, 4, 2) V = 0.14 Best Action: A3	State (2, 4, 4) V = -0.62 Best Action: A3 State (2, 5, 1) V = -0.62 Best Action: A3
State (2, 1, 1) V = -0.5 Best Action: A3	State (4, 1, 1) V = -0.62 Best Action: A3 State (4, 1, 2) V = -0.62 Best Action: A3	State (1, 2, 4) V = -0.62 Best Action: A3 State (1, 3, 1) V = -0.62 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = 3.2 Best Action: A4 State (5, 4, 4) V = 3.2 Best Action: A3	State (2, 5, 2) V = -0.62 Best Action: A3 State (2, 5, 3) V = -0.62 Best Action: A3
State (2, 1, 2) V = -0.5 Best Action: A3 State (2, 1, 3) V = -0.6 Best Action: A3	State (4, 1, 3) V = -0.62 Best Action: A3	State (1, 3, 2) V = -0.62 Best Action: A3	State (3, 3, 1) V = -0.62 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 4) V = -0.62 Best Action: A3
State (2, 1, 4) V = -0.6 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -0.62 Best Action: A3 State (4, 2, 1) V = -0.62 Best Action: A3	State (1, 3, 3) V = -0.62 Best Action: A3 State (1, 3, 4) V = -0.62 Best Action: A3	State (3, 3, 2) V = -0.62 Best Action: A3 State (3, 3, 3) V = -0.62 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 2) V = -0.62 Best Action: A3
Action	State (4, 2, 2) V = -0.62 Best Action: A3 State (4, 2, 3) V = -0.62 Best Action: A3	State (1, 4, 1) V = -0.62 Best Action: A3 State (1, 4, 2) V = -0.62 Best Action: A3	State (3, 3, 4) V = -0.62 Best Action: A3 State (3, 4, 1) V = -0.62 Best Action: A3	State (5, 5, 4) V = 100 Best Action: No Action Iteration 7:	State (3, 1, 3) V = -0.62 Best Action: A3 State (3, 1, 4) V = -0.62 Best Action: A3
State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 4) V = -0.62 Best Action: A3	State (1, 4, 3) V = -0.62 Best Action: A3	State (3, 4, 2) V = -0.62 Best Action: A3	State (1, 1, 1) V = -0.62 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No
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Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 4) V = -0.62 Best Action: A3	State (3, 5, 3) V = 0.12 Best Action: A3	State (1, 2, 2) V = -0.62 Best Action: A3	Action
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State (2, 3, 3) V = -100000 Best Action: No Action	Action	State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -0.62 Best Action: A3	State (1, 3, 3) V = -0.62 Best Action: A3	State (3, 3, 3) V = -0.62 Best Action: A3
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State (2, 4, 1) V = -0.5 Best Action: A3	State (4, 5, 1) V = 3.2 Best Action: A4 State (4, 5, 2) V = 3.2 Best Action: A3	Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 3) V = -0.62 Best Action: A3 State (4, 2, 4) V = -0.62 Best Action: A3	State (1, 4, 2) V = -0.62 Best Action: A3 State (1, 4, 3) V = -0.62 Best Action: A3	State (3, 4, 2) V = -0.62 Best Action: A3 State (3, 4, 3) V = -0.62 Best Action: A3
State (2, 4, 2) V = -0.5 Best Action: A3 State (2, 4, 3) V = -0.6 Best Action: A3	State (4, 5, 3) V = 0.14 Best Action: A3	Action	State (4, 3, 1) V = -0.62 Best Action: A3	State (1, 4, 4) V = -0.62 Best Action: A3	State (3, 4, 4) V = -0.62 Best Action: A3
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State (2, 5, 2) V = -0.5 Best Action: A3	State (5, 1, 2) V = -0.62 Best Action: A3 State (5, 1, 3) V = -0.62 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 3, 4) V = -0.62 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 3) V = -0.62 Best Action: A3 State (1, 5, 4) V = -0.62 Best Action: A3	State (3, 5, 3) V = 0.12 Best Action: A3 State (3, 5, 4) V = 18.0 Best Action: A2
State (2, 5, 3) V = -0.6 Best Action: A3 State (2, 5, 4) V = -0.6 Best Action: A3	State (5, 1, 4) V = -0.62 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No	Action	State (2, 1, 1) V = -0.62 Best Action: A3	State (4, 1, 1) V = -0.62 Best Action: A3
State (3, 1, 1) V = -0.5 Best Action: A3 State (3, 1, 2) V = -0.5 Best Action: A3	State (5, 2, 1) V = -0.62 Best Action: A3 State (5, 2, 2) V = -0.62 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -0.62 Best Action: A3 State (2, 1, 3) V = -0.62 Best Action: A3	State (4, 1, 2) V = -0.62 Best Action: A3 State (4, 1, 3) V = -0.62 Best Action: A3
State (3, 1, 3) V = -0.6 Best Action: A3	State (5, 2, 3) V = -0.62 Best Action: A3 State (5, 2, 4) V = -0.62 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = -0.62 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -0.62 Best Action: A3 State (4, 2, 1) V = -0.62 Best Action: A3
State (3, 1, 4) V = -0.6 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No	State (5, 3, 1) V = -0.62 Best Action: A3	Action	State (4, 4, 4) V = -1000 Best Action: No	Action	State (4, 2, 2) V = -0.62 Best Action: A3
Action	State (5, 3, 2) V = -0.62 Best Action: A3 State (5, 3, 3) V = -0.62 Best Action: A3	State (2, 4, 1) V = -0.62 Best Action: A3 State (2, 4, 2) V = -0.62 Best Action: A3	Action State (4, 5, 1) V = 3.2 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = -0.62 Best Action: A3 State (4, 2, 4) V = -0.62 Best Action: A3
State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 4) V = -0.62 Best Action: A3	State (2, 4, 3) V = -0.62 Best Action: A3	State (4, 5, 2) V = 3.2 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No	State (4, 3, 1) V = -0.62 Best Action: A3
State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 18.5 Best Action: A1 State (5, 4, 2) V = 0.14 Best Action: A3	State (2, 4, 4) V = -0.62 Best Action: A3 State (2, 5, 1) V = -0.62 Best Action: A3	State (4, 5, 3) V = 0.14 Best Action: A3 State (4, 5, 4) V = 18.5 Best Action: A1	Action State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 2) V = -0.62 Best Action: A3 State (4, 3, 3) V = -0.62 Best Action: A3
State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 3) V = 3.2 Best Action: A4 State (5, 4, 4) V = 3.2 Best Action: A3	State (2, 5, 2) V = -0.62 Best Action: A3 State (2, 5, 3) V = -0.62 Best Action: A3	State (5, 1, 1) V = -0.62 Best Action: A3 State (5, 1, 2) V = -0.62 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = -0.62 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No
Action State (3, 3, 1) V = -0.5 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 4) V = -0.62 Best Action: A3	State (5, 1, 3) V = -0.62 Best Action: A3	Action	Action
State (3, 3, 2) V = -0.5 Best Action: A3 State (3, 3, 3) V = -0.6 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 2) V = -0.62 Best Action: A3	State (5, 1, 4) V = -0.62 Best Action: A3 State (5, 2, 1) V = -0.62 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action
State (3, 3, 4) V = -0.6 Best Action: A3	State (5, 5, 4) V = 100 Best Action: No Action Iteration 3:	State (3, 1, 3) V = -0.62 Best Action: A3 State (3, 1, 4) V = -0.62 Best Action: A3	State (5, 2, 2) V = -0.62 Best Action: A3 State (5, 2, 3) V = -0.62 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action
State (3, 4, 1) V = -0.5 Best Action: A3 State (3, 4, 2) V = -0.5 Best Action: A3	State (1, 1, 1) V = -0.62 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = -0.62 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No	State (4, 4, 4) V = -1000 Best Action: No
State (3, 4, 3) V = -0.6 Best Action: A3 State (3, 4, 4) V = -0.6 Best Action: A3	State (1, 1, 2) V = -0.62 Best Action: A3 State (1, 1, 3) V = -0.62 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 1) V = -0.62 Best Action: A3 State (5, 3, 2) V = -0.62 Best Action: A3	Action State (2, 4, 1) V = -0.62 Best Action: A3	Action State (4, 5, 1) V = 3.2 Best Action: A4
State (3, 5, 1) V = -0.5 Best Action: A3	State (1, 1, 4) V = -0.62 Best Action: A3 State (1, 2, 1) V = -0.62 Best Action: A3	Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 3) V = -0.62 Best Action: A3 State (5, 3, 4) V = -0.62 Best Action: A3	State (2, 4, 2) V = -0.62 Best Action: A3 State (2, 4, 3) V = -0.62 Best Action: A3	State (4, 5, 2) V = 3.2 Best Action: A3 State (4, 5, 3) V = 0.14 Best Action: A3
State (3, 5, 2) V = -0.5 Best Action: A3 State (3, 5, 3) V = -0.6 Best Action: A3	State (1, 2, 2) V = -0.62 Best Action: A3	Action	State (5, 4, 1) V = 18.5 Best Action: A1	State (2, 4, 4) V = -0.62 Best Action: A3	State (4, 5, 4) V = 18.5 Best Action: A1
State (3, 5, 4) V = 18.0 Best Action: A2 State (4, 1, 1) V = -0.5 Best Action: A3	State (1, 2, 3) V = -0.62 Best Action: A3 State (1, 2, 4) V = -0.62 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 2) V = 0.14 Best Action: A3 State (5, 4, 3) V = 3.2 Best Action: A4	State (2, 5, 1) V = -0.62 Best Action: A3 State (2, 5, 2) V = -0.62 Best Action: A3	State (5, 1, 1) V = -0.62 Best Action: A3 State (5, 1, 2) V = -0.62 Best Action: A3
State (4, 1, 2) V = -0.5 Best Action: A3	State (1, 3, 1) V = -0.62 Best Action: A3 State (1, 3, 2) V = -0.62 Best Action: A3	State (3, 3, 1) V = -0.62 Best Action: A3 State (3, 3, 2) V = -0.62 Best Action: A3	State (5, 4, 4) V = 3.2 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = -0.62 Best Action: A3 State (2, 5, 4) V = -0.62 Best Action: A3	State (5, 1, 3) V = -0.62 Best Action: A3 State (5, 1, 4) V = -0.62 Best Action: A3
State (4, 1, 3) V = -0.6 Best Action: A3 State (4, 1, 4) V = -0.6 Best Action: A3	State (1, 3, 3) V = -0.62 Best Action: A3	State (3, 3, 3) V = -0.62 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action	State (3, 1, 1) V = -0.62 Best Action: A3	State (5, 2, 1) V = -0.62 Best Action: A3
State (4, 2, 1) V = -0.5 Best Action: A3 State (4, 2, 2) V = -0.5 Best Action: A3	State (1, 3, 4) V = -0.62 Best Action: A3 State (1, 4, 1) V = -0.62 Best Action: A3	State (3, 3, 4) V = -0.62 Best Action: A3 State (3, 4, 1) V = -0.62 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -0.62 Best Action: A3 State (3, 1, 3) V = -0.62 Best Action: A3	State (5, 2, 2) V = -0.62 Best Action: A3 State (5, 2, 3) V = -0.62 Best Action: A3
State (4, 2, 3) V = -0.5 Best Action: A3 State (4, 2, 3) V = -0.6 Best Action: A3	State (1, 4, 2) V = -0.62 Best Action: A3 State (1, 4, 3) V = -0.62 Best Action: A3	State (3, 4, 2) V = -0.62 Best Action: A3 State (3, 4, 3) V = -0.62 Best Action: A3	Iteration 6: State (1, 1, 1) V = -0.62 Best Action: A3	State (3, 1, 4) V = -0.62 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = -0.62 Best Action: A3 State (5, 3, 1) V = -0.62 Best Action: A3
State (4, 2, 4) V = -0.6 Best Action: A3 State (4, 3, 1) V = -0.5 Best Action: A3	State (1, 4, 4) V = -0.62 Best Action: A3	State (3, 4, 4) V = -0.62 Best Action: A3	State (1, 1, 2) V = -0.62 Best Action: A3	Action	State (5, 3, 2) V = -0.62 Best Action: A3
State (4, 3, 2) V = -0.5 Best Action: A3	State (1, 5, 1) V = -0.62 Best Action: A3 State (1, 5, 2) V = -0.62 Best Action: A3	State (3, 5, 1) V = 3.1 Best Action: A4 State (3, 5, 2) V = 3.1 Best Action: A3	State (1, 1, 3) V = -0.62 Best Action: A3 State (1, 1, 4) V = -0.62 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = -0.62 Best Action: A3 State (5, 3, 4) V = -0.62 Best Action: A3
State (4, 3, 3) V = -0.6 Best Action: A3 State (4, 3, 4) V = -0.6 Best Action: A3	State (1, 5, 3) V = -0.62 Best Action: A3	State (3, 5, 3) V = 0.12 Best Action: A3	State (1, 2, 1) V = -0.62 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No	State (5, 4, 1) V = 18.5 Best Action: A1
State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 4) V = -0.62 Best Action: A3 State (2, 1, 1) V = -0.62 Best Action: A3	State (3, 5, 4) V = 18.0 Best Action: A2 State (4, 1, 1) V = -0.62 Best Action: A3	State (1, 2, 2) V = -0.62 Best Action: A3 State (1, 2, 3) V = -0.62 Best Action: A3	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 0.14 Best Action: A3 State (5, 4, 3) V = 3.2 Best Action: A4
State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 2) V = -0.62 Best Action: A3 State (2, 1, 3) V = -0.62 Best Action: A3	State (4, 1, 2) V = -0.62 Best Action: A3 State (4, 1, 3) V = -0.62 Best Action: A3	State (1, 2, 4) V = -0.62 Best Action: A3 State (1, 3, 1) V = -0.62 Best Action: A3	Action State (3, 3, 1) V = -0.62 Best Action: A3	State (5, 4, 4) V = 3.2 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action
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State (4, 5, 1) V = -0.5 Best Action: A3 State (4, 5, 2) V = -0.5 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No	State (4, 3, 1) V = -0.62 Best Action: A3	State (1, 4, 3) V = -0.62 Best Action: A3	State (3, 4, 3) V = -0.62 Best Action: A3	State (1, 1, 2) V = -0.62 Best Action: A3
State (4, 5, 3) V = -0.6 Best Action: A3 State (4, 5, 4) V = 18.5 Best Action: A1	Action State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 2) V = -0.62 Best Action: A3 State (4, 3, 3) V = -0.62 Best Action: A3	State (1, 4, 4) V = -0.62 Best Action: A3 State (1, 5, 1) V = -0.62 Best Action: A3	State (3, 4, 4) V = -0.62 Best Action: A3 State (3, 5, 1) V = 3.1 Best Action: A4	State (1, 1, 3) V = -0.62 Best Action: A3 State (1, 1, 4) V = -0.62 Best Action: A3
State (5, 1, 1) V = -0.5 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = -0.62 Best Action: A3 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 2) V = -0.62 Best Action: A3 State (1, 5, 3) V = -0.62 Best Action: A3	State (3, 5, 2) V = 3.1 Best Action: A3 State (3, 5, 3) V = 0.12 Best Action: A3	State (1, 2, 1) V = -0.62 Best Action: A3 State (1, 2, 2) V = -0.62 Best Action: A3
State (5, 1, 2) V = -0.5 Best Action: A3 State (5, 1, 3) V = -0.6 Best Action: A3	Action	Action	State (1, 5, 4) V = -0.62 Best Action: A3	State (3, 5, 4) V = 18.0 Best Action: A2	State (1, 2, 3) V = -0.62 Best Action: A3
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State (5, 2, 2) V = -0.5 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 3) V = -0.62 Best Action: A3 State (2, 1, 4) V = -0.62 Best Action: A3	State (4, 1, 3) V = -0.62 Best Action: A3 State (4, 1, 4) V = -0.62 Best Action: A3	State (1, 3, 2) V = -0.62 Best Action: A3 State (1, 3, 3) V = -0.62 Best Action: A3
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Iteration 2:		State (5, 2, 4) V = -0.62 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action
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State (1, 1, 2) V = -0.62 Best Action: A3		State (5, 3, 1) V = -0.62 Best Action: A3 State (5, 3, 2) V = -0.62 Best Action: A3 State (5, 3, 3) V = -0.62 Best Action: A3	Action State (2, 4, 1) V = -0.62 Best Action: A3	Action State (4, 5, 1) V = 3.2 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action
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State (2, 4, 1) V = -0.62 Best Action: A3 State (2,	State (3, 2, 1) V = -100000 Action State (3, 2, 2) V = -100000 Best Action: No Action State (3, 2, 3) V = -100000 Best Action: No Action State (3, 2, 3) V = -0.000 Action State (3, 3, 1) V = -0.62 State (3, 3, 3) V = -0.62 State (3, 3, 3) V = -0.62 State (3, 3, 4) V = -0.62 State (3, 4, 1) V = -0.62 State (3, 4, 2) V = -0.62 State (3, 4, 3) V = -0.62 State (3, 5, 1) V = 3.1 State (3, 5, 3) V = 3.1 State (3, 5, 3) V = 0.12 State (4, 1, 1) V = -0.62 State (4, 1, 1) V = -0.62 State (4, 1, 2) V = -0.62 State (4, 1, 2) V = -0.62 State (4, 1, 2) V = -0.62 State (4, 2, 3) V = -0.62 State (4, 2, 3) V = -0.62 State (4, 2, 1) V = -0.62 State (4, 2, 3) V = -0.62 State (4, 3, 3) V = -0.62 State (4, 4, 1) V = -0.62 State (4, 4, 1) V = -0.62 State (4, 5, 3) V = -0.82 State (4, 4, 1) V = -0.62 State (4, 5, 1) V = 3.2 State (4, 5, 3) V = 3.2 State (4, 5, 3) V = 3.2 State (4, 5, 3) V = 0.82 State (4, 5, 4) V = -0.62 State (4, 5, 5) V = 3	State (5, 3, 2) V = -0.62 State (5, 3, 4) V = -0.62 State (5, 4, 1) V = 18.5 State (5, 4, 2) V = 0.14 State (5, 4, 2) V = 0.14 State (5, 4, 3) V = 3.2 State (5, 4, 1) V = 3.2 State (5, 5, 1) V = 100 State (5, 5, 1) V = 100 State (5, 5, 2) V = 100 State (5, 5, 2) V = 100 Best Action: A3 State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action State (1, 1, 1) V = -0.62 State (1, 1, 2) V = -0.62 State (1, 1, 4) V = -0.62 State (1, 2, 2) V = -0.62 State (1, 2, 3) V = -0.62 State (1, 3, 2) V = -0.62 State (1, 3, 2) V = -0.62 State (1, 3, 4) V = -0.62 State (1, 3, 4) V = -0.62 State (1, 4, 1) V = -0.62 State (1, 5, 1) V = -0.62 State (1, 5	State (2, 4, 1) V = -0.62 State (2, 4, 2) V = -0.62 State (2, 4, 3) V = -0.62 State (2, 4, 3) V = -0.62 State (2, 5, 1) V = -0.62 State (2, 5, 1) V = -0.62 State (2, 5, 2) V = -0.62 State (2, 5, 3) V = -0.62 State (2, 5, 3) V = -0.62 State (2, 5, 3) V = -0.62 State (3, 1, 1) V = -0.62 State (3, 1, 1) V = -0.62 State (3, 1, 2) V = -0.62 State (3, 1, 3) V = -0.62 State (3, 1, 1) V = -0.62 State (3, 2, 1) V = -0.62 State (3, 3, 3) V = -0.62 State (3, 4, 1) V = -0.62 State (3, 4, 1) V = -0.62 State (3, 4, 3) V = -0.62 State (3, 4, 3) V = -0.62 State (3, 4, 3) V = -0.62 State (3, 5, 3) V = 0.62 State (4, 1, 1) V = 0.62 State (4, 1, 1) V = 0.62 State (4, 2, 1) V = 0.62 State (4, 2, 1) V = 0.62 State (4, 2, 3) V = 0.62 State (4, 3, 1) V = 0.62 State (4, 3, 3) V = 0.62 State (4,	Action State (4, 5, 1) V = 3.2 State (4, 5, 2) V = 3.2 State (4, 5, 4) V = 10.4 State (5, 1, 1) V = 0.62 State (5, 1, 3) V = 0.62 State (5, 1, 4) V = 0.62 State (5, 2, 2) V = 0.62 State (5, 2, 2) V = 0.62 State (5, 2, 2) V = 0.62 State (5, 2, 3) V = 0.62 State (5, 2, 3) V = 0.62 State (5, 3, 1) V = 0.62 State (5, 3, 1) V = 0.62 State (5, 3, 1) V = 0.62 State (5, 3, 4) V = 0.62 State (5, 3, 4) V = 0.62 State (5, 3, 3) V = 0.62 State (5, 3, 4) V = 0.62 State (5, 3, 3) V = 0.62 State (5, 4, 2) V = 0.62 State (5, 5, 2) V = 0.06 State (5, 5, 1) V = 0.62 State (5, 5, 1) V = 0.62 State (5, 5, 1) V = 0.62 State (5, 5, 1) V = 0.06 State (1, 1, 1) V = 0.62 State (1, 1, 1) V = 0.62 State (1, 1, 1) V = 0.62 State (1, 1, 2) V = 0.62 State (1, 2, 2) V = 0.62 State (1, 2, 2) V = 0.62 State (1, 2, 3) V = 0.62 State (1, 3, 3) V = 0.62 State (1, 4, 3) V = 0.62 State (1, 5, 1)	State (2, 2, 2) V = -100000 Action State (2, 2, 3) V = -100000 Best Action: No Action State (2, 2, 4) V = -100000 Best Action: No Action State (2, 3, 1) V = -100000 Best Action: No Action State (2, 3, 2) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No Action State (2, 3, 3) V = -100000 Best Action: No Action State (2, 3, 4) V = -100000 Best Action: No Action State (2, 4, 2) V = -0.62 Best Action: A3 State (2, 4, 3) V = -0.62 Best Action: A3 State (2, 4, 3) V = -0.62 Best Action: A3 State (2, 5, 1) V = -0.62 Best Action: A3 State (2, 5, 1) V = -0.62 Best Action: A3 State (2, 5, 1) V = -0.62 Best Action: A3 State (2, 5, 1) V = -0.62 Best Action: A3 State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 1, 1) V = -0.62 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No Action State (3, 2, 2) V = -100000 Best Action: No Action State (3, 2, 3) V = -0.62 Best Action: No Action State (3, 3, 3) V = -0.62 Best Action: No Action State (3, 3, 3) V = -0.62 Best Action: No Action State (3, 3, 3) V = -0.62 Best Action: No Best Action:

```
State (4, 1, 2) V = -0.62 Best Action: A3
State (4, 1, 3) V = -0.62 Best Action: A3
                                          Best Action: A3
State (4, 1, 4) V = -0.62
State (4, 2, 1) V = -0.62
                                          Best Action: A3
State (4, 2, 1) V = -0.62

State (4, 2, 3) V = -0.62

State (4, 2, 3) V = -0.62

State (4, 2, 4) V = -0.62
                                           Best Action: A3
State (4, 3, 1) V = -0.62 Best Action: A3
State (4, 3, 2) V = -0.62 Best Action: A3
State (4, 3, 3) V = -0.62 Best Action: A3
State (4, 3, 4) V = -0.62 Best Action: A3
State (4, 4, 1) V = -1000 Best Action: No
Action
State (4, 4, 2) V = -1000 Best Action: No
Action
State (4, 4, 3) V = -1000 Best Action: No
Action
State (4, 4, 4) V = -1000 Best Action: No
Action
State (4, 5, 1) V = 3.2 Best Action: A4
State (4, 5, 2) V = 3.2 Best Action: A3
State (4, 5, 3) V = 0.14 Best Action: A3
State (4, 5, 4) V = 18.5 Best Action: A1
State (5, 1, 1) V = -0.62 Best Action: A3
State (5, 1, 2) V = -0.62

State (5, 1, 3) V = -0.62

State (5, 1, 3) V = -0.62

State (5, 1, 4) V = -0.62
                                          Best Action: A3
State (5, 2, 1) V = -0.62 Best Action: A3
State (5, 2, 2) V = -0.62 Best Action: A3
State (5, 2, 3) V = -0.62
                                          Best Action: A3
State (5, 2, 4) V = -0.62
State (5, 3, 1) V = -0.62
State (5, 3, 2) V = -0.62
                                          Best Action: A3
State (5, 3, 3) V = -0.62
                                          Best Action: A3
State (5, 3, 4) V = -0.62 Best Action: A3
State (5, 4, 1) V = -0.62 Best Action: A:
State (5, 4, 1) V = 18.5 Best Action: A1
State (5, 4, 2) V = 0.14 Best Action: A3
State (5, 4, 3) V = 3.2 Best Action: A4
State (5, 4, 4) V = 3.2 Best Action: A3
State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action
Iteration 10:

      State (1, 1, 1) V = -0.62
      Best Action: A3

      State (1, 1, 2) V = -0.62
      Best Action: A3

      State (1, 1, 3) V = -0.62
      Best Action: A3

      State (1, 1, 4) V = -0.62
      Best Action: A3

State (1, 2, 1) V = -0.62
                                          Best Action: A3
State (1, 2, 2) V = -0.62
State (1, 2, 3) V = -0.62
State (1, 2, 4) V = -0.62
State (1, 3, 1) V = -0.62
                                         Best Action: A3
Best Action: A3
Best Action: A3
                                           Best Action: A3
State (1, 3, 2) V = -0.62
                                          Best Action: A3
State (1, 3, 3) V = -0.62
                                          Best Action: A3
State (1, 3, 4) V = -0.62
State (1, 4, 1) V = -0.62
State (1, 4, 2) V = -0.62
                                         Best Action: A3
Best Action: A3
Best Action: A3
                                          Best Action: A3
State (1, 4, 3) V = -0.62
                                          Best Action: A3
State (1, 4, 4) V = -0.62
State (1, 5, 1) V = -0.62
State (1, 5, 2) V = -0.62
                                          Best Action: A3
Best Action: A3
State (1, 5, 3) V = -0.62
                                           Best Action: A3
                                          Best Action: A3
State (1, 5, 4) V = -0.62
State (2, 1, 1) V = -0.62 Best Action: A3
State (2, 1, 2) V = -0.62 Best Action: A3
State (2, 1, 2) V = -0.62 Best Action: A3
State (2, 1, 4) V = -0.62 Best Action: A3
State (2, 2, 1) V = -100000 Best Action: No
Action
State (2, 2, 2) V = -100000 Best Action: No
Action
State (2, 2, 3) V = -100000 Best Action: No
State (2, 2, 4) V = -100000 Best Action: No
 State (2, 3, 1) V = -100000 Best Action: No
State (2, 3, 2) V = -100000 Best Action: No
Action
State (2, 3, 3) V = -100000 Best Action: No
Action State (2, 3, 4) V = -100000 Best Action: No State (2, 3, 4) V = -100000 Best Action: No
Action
State (2, 4, 1) V = -0.62 Best Action: A3
State (2, 4, 2) V = -0.62 Best Action: A3
State (2, 4, 3) V = -0.62 Best Action: A3
State (2, 4, 4) V = -0.62 Best Action: A3
State (2, 5, 1) V = -0.62 Best Action: A3
State (2, 5, 2) V = -0.62 Best Action: A3
State (2, 5, 3) V = -0.62
State (2, 5, 4) V = -0.62
State (3, 1, 1) V = -0.62
                                         Best Action: A3
Best Action: A3
Best Action: A3
State (3, 1, 2) V = -0.62 Best Action: A3
State (3, 1, 3) V = -0.62 Best Action: A3
State (3, 1, 4) V = -0.62 Best Action: A3
 State (3, 2, 1) V = -100000 Best Action: No
Action
State (3, 2, 2) V = -100000 Best Action: No
Action
State (3, 2, 3) V = -100000 Best Action: No
Action
State (3, 2, 4) V = -100000 Best Action: No
State (3, 3, 1) V = -0.62 Best Action: A3
State (3, 3, 2) V = -0.62 Best Action: A3
State (3, 3, 3) V = -0.62 Best Action: A3
State (3, 3, 4) V = -0.62 Best Action: A3
State (3, 4, 1) V = -0.62 Best Action: A3
State (3, 4, 2) V = -0.62 Best Action: A3
State (3, 4, 3) V = -0.62 Best Action: A3
State (3, 4, 4) V = -0.62 Best Action: A3
State (3, 5, 1) V = 3.1 Best Action: A4
State (3, 5, 2) V = 3.1 Best Action: A3
State (3, 5, 3) V = 0.12 Best Action: A3
State (3, 5, 4) V = 18.0 Best Action: A2
State (4, 1, 1) V = -0.62
State (4, 1, 2) V = -0.62
                                          Best Action: A3
State (4, 1, 3) V = -0.62
                                          Best Action: A3
State (4, 1, 4) V = -0.62 Best Action: A3
State (4, 2, 1) V = -0.62
                                          Best Action: A3
State (4, 2, 1) V = -0.62

State (4, 2, 3) V = -0.62

State (4, 2, 3) V = -0.62

State (4, 2, 4) V = -0.62
                                           Best Action: A3
State (4, 3, 1) V = -0.62 Best Action: A3
State (4, 3, 2) V = -0.62 Best Action: A3
State (4, 3, 4) V = -0.62 Best Action: A3
State (4, 4, 1) V = -1000 Best Action: No
Action
State (4, 4, 2) V = -1000 Best Action: No
 State (4, 4, 3) V = -1000 Best Action: No
State (4, 4, 4) V = -1000 Best Action: No
Action
State (4, 5, 1) V = 3.2 Best Action: A4
State (4, 5, 2) V = 3.2 Best Action: A3
State (4, 5, 3) V = 0.14 Best Action: A3
State (4, 5, 4) V = 18.5 Best Action: A1
State (5, 1, 1) V = -0.62 Best Action: A3
State (5, 1, 2) V = -0.62 Best Action: A3
State (5, 1, 3) V = -0.62 Best Action: A3
State (5, 1, 4) V = -0.62 Best Action: A3
State (5, 2, 1) V = -0.62 Best Action: A3
State (5, 2, 2) V = -0.62 Best Action: A3
State (5, 2, 3) V = -0.62 Best Action: A3
State (5, 2, 4) V = -0.62 Best Action: A3
State (5, 3, 1) V = -0.62 Best Action: A3
State (5, 3, 2) V = -0.62 Best Action: A3
State (5, 3, 3) V = -0.62 Best Action: A3
State (5, 3, 4) V = -0.62 Best Action: A3
State (5, 4, 1) V = 18.5 Best Action: A1
State (5, 4, 2) V = 0.14 Best Action: A3
State (5, 4, 3) V = 3.2 Best Action: A4
State (5, 4, 4) V = 3.2 Best Action: A3
 State (5, 5, 1) V = 100 Best Action: No Action
State (5, 5, 3) V = 100

State (5, 5, 3) V = 100

Best Action: No Action

State (5, 5, 3) V = 100

Best Action: No Action

State (5, 5, 4) V = 100

Best Action: No Action
```

Ans F)	State (3, 1, 2) V = -1.68 Best Action: A3	State (5, 2, 2) V = -2.61 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No	State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 4) V = 2.1 Best Action: A1
Iteration 1:	State (3, 1, 3) V = -2.24 Best Action: A3 State (3, 1, 4) V = -2.12 Best Action: A3	State (5, 2, 3) V = -3.36 Best Action: A4 State (5, 2, 4) V = -2.92 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action
State (1, 1, 1) V = -0.67 Best Action: A3 State (1, 1, 2) V = -0.67 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = -2.57 Best Action: A4 State (5, 3, 2) V = -2.67 Best Action: A3	Action State (2, 4, 1) V = -8.77 Best Action: A1	Action State (4, 5, 1) V = 67.88 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action
State (1, 1, 3) V = -1.19 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 15.08 Best Action: A2 State (5, 3, 4) V = -2.93 Best Action: A3	State (2, 4, 2) V = -10.11 Best Action: A4 State (2, 4, 3) V = -6.39 Best Action: A1	State (4, 5, 2) V = -0.25 Best Action: A3 State (4, 5, 3) V = 55.21 Best Action: A4	State (2, 2, 3) V = -100000 Best Action: No Action
State (1, 1, 4) V = -1.19 Best Action: A3 State (1, 2, 1) V = -0.67 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No	State (5, 4, 1) V = 78.8 Best Action: A1	State (2, 4, 4) V = -69.36 Best Action: A3	State (4, 5, 4) V = 79.42 Best Action: A1	State (2, 2, 4) V = -100000 Best Action: No
State (1, 2, 2) V = -0.71 Best Action: A3 State (1, 2, 3) V = -1.19 Best Action: A4	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 48.69 Best Action: A3 State (5, 4, 3) V = -1.22 Best Action: A4	State (2, 5, 1) V = -3.86 Best Action: A4 State (2, 5, 2) V = -4.3 Best Action: A3	State (5, 1, 1) V = 14.38 Best Action: A2 State (5, 1, 2) V = 0.42 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No
State (1, 2, 4) V = -1.19 Best Action: A3	Action State (3, 3, 1) V = -1.68 Best Action: A3	State (5, 4, 4) V = 66.56 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = -4.17 Best Action: A4 State (2, 5, 4) V = -4.13 Best Action: A3	State (5, 1, 3) V = 9.09 Best Action: A4 State (5, 1, 4) V = 9.95 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No
State (1, 3, 1) V = -0.67 Best Action: A3 State (1, 3, 2) V = -0.75 Best Action: A3	State (3, 3, 2) V = -1.68 Best Action: A3	State (5, 5, 2) V = 100 Best Action: No Action	State (3, 1, 1) V = -3.86 Best Action: A4	State (5, 2, 1) V = 14.75 Best Action: A1	Action
State (1, 3, 3) V = -1.19 Best Action: A4 State (1, 3, 4) V = -1.19 Best Action: A3	State (3, 3, 3) V = -2.12 Best Action: A3 State (3, 3, 4) V = -2.34 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -3.86 Best Action: A3 State (3, 1, 3) V = -4.17 Best Action: A3	State (5, 2, 2) V = 0.84 Best Action: A3 State (5, 2, 3) V = 9.45 Best Action: A4	State (2, 3, 3) V = -100000 Best Action: No Action
State (1, 4, 1) V = -0.67 Best Action: A3	State (3, 4, 1) V = -5.38 Best Action: A3 State (3, 4, 2) V = -5.45 Best Action: A4	Iteration 4: State (1, 1, 1) V = -3.22 Best Action: A3	State (3, 1, 4) V = -4.16 Best Action: A3 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 10.27 Best Action: A3 State (5, 3, 1) V = 28.66 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action
State (1, 4, 2) V = -0.75 Best Action: A3 State (1, 4, 3) V = -1.19 Best Action: A4	State (3, 4, 3) V = -4.16 Best Action: A2	State (1, 1, 2) V = -3.22 Best Action: A3	Action	State (5, 3, 2) V = 26.13 Best Action: A4	State (2, 4, 1) V = -10.02 Best Action: A1
State (1, 4, 4) V = -1.19 Best Action: A3 State (1, 5, 1) V = -0.67 Best Action: A3	State (3, 4, 4) V = -68.54 Best Action: A3 State (3, 5, 1) V = 49.69 Best Action: A4	State (1, 1, 3) V = -3.53 Best Action: A3 State (1, 1, 4) V = -3.53 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 38.66 Best Action: A2 State (5, 3, 4) V = 23.57 Best Action: A3	State (2, 4, 2) V = -11.37 Best Action: A4 State (2, 4, 3) V = -7.52 Best Action: A1
State (1, 5, 2) V = -0.76 Best Action: A3 State (1, 5, 3) V = -1.19 Best Action: A4	State (3, 5, 2) V = 49.34 Best Action: A3 State (3, 5, 3) V = 37.93 Best Action: A4	State (1, 2, 1) V = -3.25 Best Action: A3 State (1, 2, 2) V = -3.27 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 79.42 Best Action: A1 State (5, 4, 2) V = 54.69 Best Action: A3	State (2, 4, 4) V = -69.82 Best Action: A3 State (2, 5, 1) V = -5.1 Best Action: A4
State (1, 5, 4) V = -1.19 Best Action: A3	State (3, 5, 4) V = 80.19 Best Action: A2	State (1, 2, 3) V = -3.55 Best Action: A4	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = -0.22 Best Action: A4	State (2, 5, 2) V = -5.52 Best Action: A3
State (2, 1, 1) V = -0.67 Best Action: A3 State (2, 1, 2) V = -0.67 Best Action: A3	State (4, 1, 1) V = -8.88 Best Action: A4 State (4, 1, 2) V = -1.68 Best Action: A3	State (1, 2, 4) V = -3.55 Best Action: A3 State (1, 3, 1) V = -3.26 Best Action: A3	State (3, 3, 1) V = 55.62 Best Action: A2	State (5, 4, 4) V = 67.94 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = -5.28 Best Action: A4 State (2, 5, 4) V = -5.26 Best Action: A3
State (2, 1, 3) V = -1.26 Best Action: A3 State (2, 1, 4) V = -1.19 Best Action: A3	State (4, 1, 3) V = -2.67 Best Action: A3 State (4, 1, 4) V = -2.55 Best Action: A4	State (1, 3, 2) V = -3.32 Best Action: A3 State (1, 3, 3) V = -3.56 Best Action: A4	State (3, 3, 2) V = 31.54 Best Action: A4 State (3, 3, 3) V = 45.95 Best Action: A4	State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = 2.5 Best Action: A4 State (3, 1, 2) V = 2.5 Best Action: A3
State (2, 2, 1) V = -100000 Best Action: No	State (4, 2, 1) V = -68.07 Best Action: A3 State (4, 2, 2) V = -2.96 Best Action: A2	State (1, 3, 4) V = -3.56 Best Action: A3 State (1, 4, 1) V = -4.0 Best Action: A3	State (3, 3, 4) V = 41.62 Best Action: A3 State (3, 4, 1) V = 51.69 Best Action: A1	State (5, 5, 4) V = 100 Best Action: No Action Iteration 7:	State (3, 1, 3) V = 0.78 Best Action: A3 State (3, 1, 4) V = 10.35 Best Action: A2
Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 3) V = -7.46 Best Action: A3	State (1, 4, 2) V = -4.07 Best Action: A4	State (3, 4, 2) V = 23.56 Best Action: A4	State (1, 1, 1) V = -4.7 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No
Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = -6.81 Best Action: A1 State (4, 3, 1) V = -68.09 Best Action: A4	State (1, 4, 3) V = -4.18 Best Action: A4 State (1, 4, 4) V = -10.65 Best Action: A3	State (3, 4, 3) V = 37.29 Best Action: A4 State (3, 4, 4) V = -23.81 Best Action: A3	State (1, 1, 2) V = -4.69 Best Action: A4 State (1, 1, 3) V = -4.87 Best Action: A3	Action State (3, 2, 2) V = -100000 Best Action: No
Action	State (4, 3, 2) V = -3.74 Best Action: A2 State (4, 3, 3) V = -7.53 Best Action: A1	State (1, 5, 1) V = -3.23 Best Action: A3 State (1, 5, 2) V = -3.37 Best Action: A3	State (3, 5, 1) V = 71.0 Best Action: A4 State (3, 5, 2) V = 65.95 Best Action: A3	State (1, 1, 4) V = -3.45 Best Action: A2 State (1, 2, 1) V = -4.8 Best Action: A3	Action State (3, 2, 3) V = -100000 Best Action: No
State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 4) V = -6.86 Best Action: A1	State (1, 5, 3) V = -3.54 Best Action: A4	State (3, 5, 3) V = 61.59 Best Action: A4	State (1, 2, 2) V = -4.76 Best Action: A3	Action
State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = -3.54 Best Action: A3 State (2, 1, 1) V = -3.25 Best Action: A4	State (3, 5, 4) V = 83.2 Best Action: A2 State (4, 1, 1) V = -11.97 Best Action: A4	State (1, 2, 3) V = -4.93 Best Action: A3 State (1, 2, 4) V = -4.93 Best Action: A4	State (3, 2, 4) V = -100000 Best Action: No Action
State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -3.25 Best Action: A3 State (2, 1, 3) V = -3.59 Best Action: A3	State (4, 1, 2) V = -4.69 Best Action: A3 State (4, 1, 3) V = -5.26 Best Action: A3	State (1, 3, 1) V = -4.82 Best Action: A3 State (1, 3, 2) V = -4.81 Best Action: A3	State (3, 3, 1) V = 58.81 Best Action: A2 State (3, 3, 2) V = 42.97 Best Action: A4
State (2, 3, 3) V = -100000 Best Action: No	State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 4) V = -3.6 Best Action: A3	State (4, 1, 4) V = -5.21 Best Action: A1	State (1, 3, 3) V = -4.97 Best Action: A3	State (3, 3, 3) V = 50.23 Best Action: A4
Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 1) V = -70.91 Best Action: A4 State (4, 2, 2) V = -6.21 Best Action: A1	State (1, 3, 4) V = -4.97 Best Action: A4 State (1, 4, 1) V = -5.76 Best Action: A3	State (3, 3, 4) V = 46.89 Best Action: A3 State (3, 4, 1) V = 54.53 Best Action: A1
Action	Action State (4, 5, 1) V = 47.14 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = -10.59 Best Action: A3 State (4, 2, 4) V = -9.12 Best Action: A1	State (1, 4, 2) V = -5.75 Best Action: A4 State (1, 4, 3) V = -5.8 Best Action: A3	State (3, 4, 2) V = 32.53 Best Action: A1 State (3, 4, 3) V = 39.73 Best Action: A4
State (2, 4, 1) V = -0.67 Best Action: A3 State (2, 4, 2) V = -0.67 Best Action: A3	State (4, 5, 2) V = -16.42 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No	State (4, 3, 1) V = -46.82 Best Action: A3	State (1, 4, 4) V = -10.62 Best Action: A4	State (3, 4, 4) V = -20.71 Best Action: A3
State (2, 4, 3) V = -1.26 Best Action: A3 State (2, 4, 4) V = -61.19 Best Action: A3	State (4, 5, 3) V = 34.27 Best Action: A4 State (4, 5, 4) V = 76.46 Best Action: A1	Action State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 2) V = 16.0 Best Action: A4 State (4, 3, 3) V = 31.28 Best Action: A1	State (1, 5, 1) V = -4.72 Best Action: A3 State (1, 5, 2) V = -4.83 Best Action: A3	State (3, 5, 1) V = 71.68 Best Action: A4 State (3, 5, 2) V = 67.61 Best Action: A3
State (2, 5, 1) V = -0.67 Best Action: A3	State (5, 1, 1) V = -1.68 Best Action: A4 State (5, 1, 2) V = -1.68 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = 8.39 Best Action: A4 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 3) V = -4.9 Best Action: A4 State (1, 5, 4) V = -4.9 Best Action: A3	State (3, 5, 3) V = 62.49 Best Action: A4 State (3, 5, 4) V = 83.36 Best Action: A2
State (2, 5, 2) V = -0.71 Best Action: A3 State (2, 5, 3) V = -1.26 Best Action: A4	State (5, 1, 3) V = -2.27 Best Action: A3	Action	Action	State (2, 1, 1) V = -4.77 Best Action: A3	State (4, 1, 1) V = -3.56 Best Action: A4
State (2, 5, 4) V = -1.19 Best Action: A3 State (3, 1, 1) V = -0.67 Best Action: A3	State (5, 1, 4) V = -2.12 Best Action: A3 State (5, 2, 1) V = -1.69 Best Action: A4	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action	State (2, 1, 2) V = -4.77 Best Action: A4 State (2, 1, 3) V = -4.95 Best Action: A3	State (4, 1, 2) V = 2.42 Best Action: A3 State (4, 1, 3) V = 0.67 Best Action: A3
State (3, 1, 2) V = -0.67 Best Action: A3	State (5, 2, 2) V = -1.76 Best Action: A3	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 4) V = -2.89 Best Action: A1	State (4, 1, 4) V = 10.35 Best Action: A1 State (4, 2, 1) V = -62.48 Best Action: A4
State (3, 1, 3) V = -1.34 Best Action: A3 State (3, 1, 4) V = -1.19 Best Action: A3	State (5, 2, 3) V = -2.53 Best Action: A4 State (5, 2, 4) V = -2.13 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action	State (4, 2, 2) V = -0.37 Best Action: A3
State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = -1.7 Best Action: A4 State (5, 3, 2) V = -1.82 Best Action: A3	Action State (2, 4, 1) V = -8.18 Best Action: A1	Action State (4, 5, 1) V = 67.55 Best Action: A4	State (2, 2, 2) V = -100000 Best Action: No Action	State (4, 2, 3) V = -5.81 Best Action: A3 State (4, 2, 4) V = 6.7 Best Action: A1
State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 3) V = -2.58 Best Action: A4	State (2, 4, 2) V = -9.33 Best Action: A4	State (4, 5, 2) V = -0.5 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No	State (4, 3, 1) V = -36.15 Best Action: A3
Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 4) V = -2.14 Best Action: A3 State (5, 4, 1) V = 77.25 Best Action: A1	State (2, 4, 3) V = -5.75 Best Action: A1 State (2, 4, 4) V = -69.75 Best Action: A3	State (4, 5, 3) V = 54.85 Best Action: A4 State (4, 5, 4) V = 79.38 Best Action: A1	Action State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 2) V = 26.22 Best Action: A4 State (4, 3, 3) V = 36.31 Best Action: A1
Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 34.75 Best Action: A3 State (5, 4, 3) V = -3.55 Best Action: A4	State (2, 5, 1) V = -3.26 Best Action: A4 State (2, 5, 2) V = -3.69 Best Action: A3	State (5, 1, 1) V = 4.6 Best Action: A2 State (5, 1, 2) V = -3.82 Best Action: A3	Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 3, 4) V = 18.68 Best Action: A4 State (4, 4, 1) V = -1000 Best Action: No
Action	State (5, 4, 4) V = 63.05 Best Action: A3	State (2, 5, 3) V = -3.63 Best Action: A4	State (5, 1, 3) V = 1.85 Best Action: A4	Action	Action
State (3, 3, 1) V = -0.67 Best Action: A3 State (3, 3, 2) V = -0.67 Best Action: A3	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = -3.59 Best Action: A3 State (3, 1, 1) V = -3.25 Best Action: A4	State (5, 1, 4) V = 1.99 Best Action: A3 State (5, 2, 1) V = 4.94 Best Action: A1	State (2, 3, 2) V = -100000 Best Action: No Action	State (4, 4, 2) V = -1000 Best Action: No Action
State (3, 3, 3) V = -1.19 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -3.25 Best Action: A3 State (3, 1, 3) V = -3.63 Best Action: A3	State (5, 2, 2) V = -3.91 Best Action: A3 State (5, 2, 3) V = 1.78 Best Action: A4	State (2, 3, 3) V = -100000 Best Action: No Action	State (4, 4, 3) V = -1000 Best Action: No Action
State (3, 3, 4) V = -1.19 Best Action: A3 State (3, 4, 1) V = -0.67 Best Action: A3	Iteration 3:	State (3, 1, 4) V = -3.59 Best Action: A3	State (5, 2, 4) V = 2.23 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No	State (4, 4, 4) V = -1000 Best Action: No
State (3, 4, 2) V = -0.71 Best Action: A3 State (3, 4, 3) V = -1.34 Best Action: A4	State (1, 1, 1) V = -2.52 Best Action: A3 State (1, 1, 2) V = -2.52 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = 21.69 Best Action: A3 State (5, 3, 2) V = 20.06 Best Action: A4	Action State (2, 4, 1) V = -9.66 Best Action: A1	Action State (4, 5, 1) V = 68.0 Best Action: A4
State (3, 4, 4) V = -61.19 Best Action: A3	State (1, 1, 3) V = -2.89 Best Action: A3 State (1, 1, 4) V = -2.89 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 35.7 Best Action: A2 State (5, 3, 4) V = 16.94 Best Action: A3	State (2, 4, 2) V = -11.05 Best Action: A4 State (2, 4, 3) V = -7.23 Best Action: A1	State (4, 5, 2) V = -0.17 Best Action: A3 State (4, 5, 3) V = 55.35 Best Action: A4
State (3, 5, 1) V = -0.67 Best Action: A3 State (3, 5, 2) V = -0.75 Best Action: A3	State (1, 2, 1) V = -2.52 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No	State (5, 4, 1) V = 79.38 Best Action: A1	State (2, 4, 4) V = -69.59 Best Action: A3	State (4, 5, 4) V = 79.44 Best Action: A1
State (3, 5, 3) V = -1.19 Best Action: A4 State (3, 5, 4) V = 70.15 Best Action: A2	State (1, 2, 2) V = -2.58 Best Action: A3 State (1, 2, 3) V = -2.89 Best Action: A4	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 54.31 Best Action: A3 State (5, 4, 3) V = -0.28 Best Action: A4	State (2, 5, 1) V = -4.76 Best Action: A4 State (2, 5, 2) V = -5.19 Best Action: A3	State (5, 1, 1) V = 24.39 Best Action: A2 State (5, 1, 2) V = 12.57 Best Action: A3
State (4, 1, 1) V = -0.67 Best Action: A3	State (1, 2, 4) V = -2.89 Best Action: A3 State (1, 3, 1) V = -2.53 Best Action: A3	Action State (3, 3, 1) V = 49.78 Best Action: A2	State (5, 4, 4) V = 67.85 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = -4.98 Best Action: A4 State (2, 5, 4) V = -4.95 Best Action: A3	State (5, 1, 3) V = 17.74 Best Action: A4 State (5, 1, 4) V = 19.57 Best Action: A3
State (4, 1, 2) V = -0.67 Best Action: A3 State (4, 1, 3) V = -1.35 Best Action: A3	State (1, 3, 2) V = -2.63 Best Action: A3	State (3, 3, 2) V = 16.94 Best Action: A4	State (5, 5, 2) V = 100 Best Action: No Action	State (3, 1, 1) V = -2.31 Best Action: A4	State (5, 2, 1) V = 24.82 Best Action: A1
State (4, 1, 4) V = -1.19 Best Action: A3 State (4, 2, 1) V = -60.67 Best Action: A3	State (1, 3, 3) V = -2.9 Best Action: A4 State (1, 3, 4) V = -2.9 Best Action: A3	State (3, 3, 3) V = 38.95 Best Action: A4 State (3, 3, 4) V = 35.54 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -2.31 Best Action: A3 State (3, 1, 3) V = -3.06 Best Action: A3	State (5, 2, 2) V = 13.25 Best Action: A3 State (5, 2, 3) V = 18.56 Best Action: A4
State (4, 2, 2) V = -0.71 Best Action: A3	State (1, 4, 1) V = -2.96 Best Action: A3 State (1, 4, 2) V = -3.07 Best Action: A4	State (3, 4, 1) V = 45.96 Best Action: A1 State (3, 4, 2) V = 11.46 Best Action: A4	Iteration 6: State (1, 1, 1) V = -4.3 Best Action: A3	State (3, 1, 4) V = 5.04 Best Action: A2 State (3, 2, 1) V = -100000 Best Action: No	State (5, 2, 4) V = 19.96 Best Action: A3 State (5, 3, 1) V = 33.54 Best Action: A3
State (4, 2, 3) V = -4.82 Best Action: A3 State (4, 2, 4) V = -4.82 Best Action: A4	State (1, 4, 3) V = -3.24 Best Action: A4	State (3, 4, 3) V = 32.52 Best Action: A4	State (1, 1, 2) V = -4.29 Best Action: A4	Action	State (5, 3, 2) V = 31.24 Best Action: A4
State (4, 3, 1) V = -60.67 Best Action: A3 State (4, 3, 2) V = -0.75 Best Action: A3	State (1, 4, 4) V = -11.2 Best Action: A3 State (1, 5, 1) V = -2.53 Best Action: A3	State (3, 4, 4) V = -29.52 Best Action: A3 State (3, 5, 1) V = 69.66 Best Action: A4	State (1, 1, 3) V = -4.5 Best Action: A3 State (1, 1, 4) V = -4.51 Best Action: A4	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 40.46 Best Action: A2 State (5, 3, 4) V = 28.59 Best Action: A3
State (4, 3, 3) V = -4.92 Best Action: A3	State (1, 5, 2) V = -2.67 Best Action: A3	State (3, 5, 2) V = 63.53 Best Action: A3	State (1, 2, 1) V = -4.38 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action	State (5, 4, 1) V = 79.43 Best Action: A1
State (4, 3, 4) V = -4.85 Best Action: A4 State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 3) V = -2.9 Best Action: A4 State (1, 5, 4) V = -2.9 Best Action: A3	State (3, 5, 3) V = 59.83 Best Action: A4 State (3, 5, 4) V = 82.94 Best Action: A2	State (1, 2, 2) V = -4.35 Best Action: A3 State (1, 2, 3) V = -4.55 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 54.83 Best Action: A3 State (5, 4, 3) V = -0.2 Best Action: A4
Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = -2.53 Best Action: A4 State (2, 1, 2) V = -2.53 Best Action: A3	State (4, 1, 1) V = -11.94 Best Action: A4 State (4, 1, 2) V = -3.87 Best Action: A3	State (1, 2, 4) V = -4.55 Best Action: A4 State (1, 3, 1) V = -4.39 Best Action: A3	Action State (3, 3, 1) V = 58.5 Best Action: A2	State (5, 4, 4) V = 67.97 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Actio
Action	State (2, 1, 3) V = -2.94 Best Action: A3	State (4, 1, 3) V = -4.6 Best Action: A3	State (1, 3, 2) V = -4.4 Best Action: A3	State (3, 3, 2) V = 41.74 Best Action: A4	State (5, 5, 2) V = 100 Best Action: No Actio
State (4, 4, 3) V = -1000 Best Action: No Action	State (2, 1, 4) V = -2.92 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -4.56 Best Action: A4 State (4, 2, 1) V = -71.05 Best Action: A4	State (1, 3, 3) V = -4.59 Best Action: A3 State (1, 3, 4) V = -4.59 Best Action: A3	State (3, 3, 3) V = 49.8 Best Action: A4 State (3, 3, 4) V = 46.21 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Actio State (5, 5, 4) V = 100 Best Action: No Actio
State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = -5.46 Best Action: A1 State (4, 2, 3) V = -9.94 Best Action: A3	State (1, 4, 1) V = -5.31 Best Action: A3 State (1, 4, 2) V = -5.33 Best Action: A4	State (3, 4, 1) V = 54.29 Best Action: A1 State (3, 4, 2) V = 31.4 Best Action: A1	Iteration 9: State (1, 1, 1) V = -0.68 Best Action: A4
State (4, 5, 1) V = -0.67 Best Action: A3	Action	State (4, 2, 4) V = -8.56 Best Action: A1	State (1, 4, 3) V = -5.4 Best Action: A4	State (3, 4, 3) V = 39.52 Best Action: A4	State (1, 1, 2) V = -0.54 Best Action: A3
State (4, 5, 2) V = -60.67 Best Action: A3 State (4, 5, 3) V = -4.86 Best Action: A4	State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = -58.0 Best Action: A3 State (4, 3, 2) V = 5.65 Best Action: A4	State (1, 4, 4) V = -10.4 Best Action: A3 State (1, 5, 1) V = -4.31 Best Action: A3	State (3, 4, 4) V = -21.0 Best Action: A3 State (3, 5, 1) V = 71.61 Best Action: A4	State (1, 1, 3) V = -1.62 Best Action: A3 State (1, 1, 4) V = 5.74 Best Action: A2
State (4, 5, 4) V = 66.92 Best Action: A1 State (5, 1, 1) V = -0.67 Best Action: A3	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 24.12 Best Action: A1 State (4, 3, 4) V = -0.73 Best Action: A4	State (1, 5, 2) V = -4.43 Best Action: A3 State (1, 5, 3) V = -4.53 Best Action: A4	State (3, 5, 2) V = 67.43 Best Action: A3 State (3, 5, 3) V = 62.4 Best Action: A4	State (1, 2, 1) V = -5.4 Best Action: A3 State (1, 2, 2) V = -2.72 Best Action: A1
State (5, 1, 2) V = -0.67 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No	State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 4) V = -4.53 Best Action: A3	State (3, 5, 4) V = 83.34 Best Action: A2	State (1, 2, 3) V = -3.57 Best Action: A3
State (5, 1, 3) V = -1.35 Best Action: A3 State (5, 1, 4) V = -1.19 Best Action: A3	Action State (2, 3, 2) V = -100000 Best Action: No	Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = -4.36 Best Action: A3 State (2, 1, 2) V = -4.36 Best Action: A4	State (4, 1, 1) V = -8.62 Best Action: A4 State (4, 1, 2) V = -2.59 Best Action: A3	State (1, 2, 4) V = -3.57 Best Action: A4 State (1, 3, 1) V = -5.42 Best Action: A3
State (5, 2, 1) V = -0.67 Best Action: A3 State (5, 2, 2) V = -0.71 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No	Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = -4.59 Best Action: A3 State (2, 1, 4) V = -4.63 Best Action: A3	State (4, 1, 3) V = -3.53 Best Action: A3 State (4, 1, 4) V = 5.01 Best Action: A1	State (1, 3, 2) V = -2.95 Best Action: A2 State (1, 3, 3) V = -3.74 Best Action: A3
State (5, 2, 3) V = -1.48 Best Action: A4	Action	Action	State (2, 2, 1) V = -100000 Best Action: No	State (4, 2, 1) V = -67.35 Best Action: A4	State (1, 3, 4) V = -3.74 Best Action: A4
State (5, 2, 4) V = -1.19 Best Action: A3 State (5, 3, 1) V = -0.67 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = -4.63 Best Action: A1 State (4, 2, 3) V = -9.37 Best Action: A3	State (1, 4, 1) V = -6.39 Best Action: A3 State (1, 4, 2) V = -4.7 Best Action: A1
State (5, 3, 2) V = -0.75 Best Action: A3 State (5, 3, 3) V = -1.56 Best Action: A4	State (2, 4, 1) V = -7.25 Best Action: A1 State (2, 4, 2) V = -7.89 Best Action: A4	State (4, 5, 1) V = 66.35 Best Action: A4 State (4, 5, 2) V = -1.37 Best Action: A3	Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = 1.38 Best Action: A1 State (4, 3, 1) V = -37.46 Best Action: A3	State (1, 4, 3) V = -5.17 Best Action: A3 State (1, 4, 4) V = -9.87 Best Action: A4
State (5, 3, 4) V = -1.19 Best Action: A3	State (2, 4, 3) V = -4.85 Best Action: A1	State (4, 5, 3) V = 53.56 Best Action: A4	Action	State (4, 3, 2) V = 24.53 Best Action: A4	State (1, 5, 1) V = -5.34 Best Action: A3
State (5, 4, 1) V = 70.6 Best Action: A1 State (5, 4, 2) V = -0.67 Best Action: A3	State (2, 4, 4) V = -70.47 Best Action: A3 State (2, 5, 1) V = -2.54 Best Action: A4	State (4, 5, 4) V = 79.22 Best Action: A1 State (5, 1, 1) V = -3.24 Best Action: A4	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 35.75 Best Action: A1 State (4, 3, 4) V = 17.0 Best Action: A4	State (1, 5, 2) V = -4.8 Best Action: A2 State (1, 5, 3) V = -5.07 Best Action: A3
State (5, 4, 3) V = -9.87 Best Action: A4	State (2, 5, 2) V = -2.93 Best Action: A3 State (2, 5, 3) V = -2.98 Best Action: A4	State (5, 1, 2) V = -3.23 Best Action: A3 State (5, 1, 3) V = -3.68 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = -5.07 Best Action: A4 State (2, 1, 1) V = 0.17 Best Action: A4
State (5, 4, 4) V = 50.13 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 4) V = -2.93 Best Action: A3	State (5, 1, 4) V = -3.53 Best Action: A4	State (2, 3, 2) V = -100000 Best Action: No	State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 2) V = 0.17 Best Action: A3
State (5, 5, 2) V = 100 Best Action: No Action State (5, 5, 3) V = 100 Best Action: No Action	State (3, 1, 1) V = -2.53 Best Action: A4 State (3, 1, 2) V = -2.53 Best Action: A3	State (5, 2, 1) V = -3.28 Best Action: A4 State (5, 2, 2) V = -3.32 Best Action: A3	Action State (2, 3, 3) V = -100000 Best Action: No	Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = -0.87 Best Action: A3 State (2, 1, 4) V = 6.69 Best Action: A1
State (5, 5, 4) V = 100 Best Action: No Action Iteration 2:	State (3, 1, 3) V = -2.99 Best Action: A3 State (3, 1, 4) V = -2.92 Best Action: A3	State (5, 2, 3) V = -4.03 Best Action: A4 State (5, 2, 4) V = -3.58 Best Action: A3	Action State (2, 3, 4) V = -100000 Best Action: No	Action State (4, 4, 4) V = -1000 Best Action: No	State (2, 2, 1) V = -100000 Best Action: No Action
State (1, 1, 1) V = -1.68 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = 9.71 Best Action: A3	Action	Action	State (2, 2, 2) V = -100000 Best Action: No Action
State (1, 1, 2) V = -1.68 Best Action: A3 State (1, 1, 3) V = -2.12 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No	State (5, 3, 2) V = 9.62 Best Action: A4 State (5, 3, 3) V = 28.88 Best Action: A2	State (2, 4, 1) V = -9.25 Best Action: A1 State (2, 4, 2) V = -10.64 Best Action: A4	State (4, 5, 1) V = 67.97 Best Action: A4 State (4, 5, 2) V = -0.19 Best Action: A3	State (2, 2, 3) V = -100000 Best Action: No
State (1, 1, 4) V = -2.12 Best Action: A3 State (1, 2, 1) V = -1.68 Best Action: A3	Action State (3, 2, 3) V = -100000 Best Action: No	State (5, 3, 4) V = 6.55 Best Action: A3 State (5, 4, 1) V = 79.25 Best Action: A1	State (2, 4, 3) V = -6.86 Best Action: A1 State (2, 4, 4) V = -69.39 Best Action: A3	State (4, 5, 3) V = 55.32 Best Action: A4 State (4, 5, 4) V = 79.43 Best Action: A1	Action State (2, 2, 4) V = -100000 Best Action: No
State (1, 2, 2) V = -1.74 Best Action: A3	Action	State (5, 4, 2) V = 53.03 Best Action: A3	State (2, 5, 1) V = -4.35 Best Action: A4 State (2, 5, 2) V = -4.79 Best Action: A3	State (5, 1, 1) V = 20.9 Best Action: A2 State (5, 1, 2) V = 7.09 Best Action: A3	Action
State (1, 2, 3) V = -2.12 Best Action: A4 State (1, 2, 4) V = -2.12 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No Action	State (5, 4, 3) V = -0.5 Best Action: A4 State (5, 4, 4) V = 67.56 Best Action: A3	State (2, 5, 3) V = -4.61 Best Action: A4	State (5, 1, 3) V = 14.41 Best Action: A4	State (2, 3, 1) V = -100000 Best Action: No Action
State (1, 3, 1) V = -1.68 Best Action: A3 State (1, 3, 2) V = -1.8 Best Action: A3	State (3, 3, 1) V = 33.42 Best Action: A2 State (3, 3, 2) V = -2.54 Best Action: A4	State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action	State (2, 5, 4) V = -4.58 Best Action: A3 State (3, 1, 1) V = -4.38 Best Action: A3	State (5, 1, 4) V = 16.0 Best Action: A3 State (5, 2, 1) V = 21.3 Best Action: A1	State (2, 3, 2) V = -100000 Best Action: No Action
State (1, 3, 3) V = -2.13 Best Action: A4 State (1, 3, 4) V = -2.13 Best Action: A4	State (3, 3, 3) V = 22.99 Best Action: A4 State (3, 3, 4) V = 22.7 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = -4.38 Best Action: A3 State (3, 1, 3) V = -4.63 Best Action: A3	State (5, 2, 2) V = 7.77 Best Action: A3 State (5, 2, 3) V = 15.14 Best Action: A4	State (2, 3, 3) V = -100000 Best Action: No Action
State (1, 4, 1) V = -2.13 Best Action: A3 State (1, 4, 1) V = -1.68 Best Action: A3	State (3, 4, 1) V = 29.69 Best Action: A1	Iteration 5:	State (3, 1, 4) V = -1.17 Best Action: A2	State (5, 2, 4) V = 16.37 Best Action: A3	State (2, 3, 4) V = -100000 Best Action: No
State (1, 4, 2) V = -1.81 Best Action: A3 State (1, 4, 3) V = -2.13 Best Action: A4	State (3, 4, 2) V = -7.92 Best Action: A1 State (3, 4, 3) V = 19.75 Best Action: A4	State (1, 1, 1) V = -3.81 Best Action: A3 State (1, 1, 2) V = -3.81 Best Action: A3	State (3, 2, 1) V = -100000 Best Action: No Action	State (5, 3, 1) V = 32.02 Best Action: A3 State (5, 3, 2) V = 29.47 Best Action: A4	Action State (2, 4, 1) V = -10.31 Best Action: A1
State (1, 4, 4) V = -9.33 Best Action: A3	State (3, 4, 4) V = -43.88 Best Action: A3 State (3, 5, 1) V = 65.31 Best Action: A4	State (1, 1, 3) V = -4.06 Best Action: A3 State (1, 1, 4) V = -4.07 Best Action: A3	State (3, 2, 2) V = -100000 Best Action: No Action	State (5, 3, 3) V = 39.92 Best Action: A2 State (5, 3, 4) V = 26.98 Best Action: A3	State (2, 4, 2) V = -11.63 Best Action: A4 State (2, 4, 3) V = -6.89 Best Action: A1
State (1, 5, 2) V = -1.81 Best Action: A3	State (3, 5, 2) V = 58.72 Best Action: A3	State (1, 2, 1) V = -3.87 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No	State (5, 4, 1) V = 79.43 Best Action: A1	State (2, 4, 4) V = -70.03 Best Action: A3
State (1, 5, 3) V = -2.13 Best Action: A4 State (1, 5, 4) V = -2.13 Best Action: A3	State (3, 5, 3) V = 54.43 Best Action: A4 State (3, 5, 4) V = 82.26 Best Action: A2	State (1, 2, 2) V = -3.86 Best Action: A3 State (1, 2, 3) V = -4.1 Best Action: A3	Action State (3, 2, 4) V = -100000 Best Action: No	State (5, 4, 2) V = 54.8 Best Action: A3 State (5, 4, 3) V = -0.2 Best Action: A4	State (2, 5, 1) V = -5.38 Best Action: A4 State (2, 5, 2) V = -5.8 Best Action: A3
State (2, 1, 1) V = -1.68 Best Action: A4 State (2, 1, 2) V = -1.68 Best Action: A3	State (4, 1, 1) V = -10.83 Best Action: A4 State (4, 1, 2) V = -2.86 Best Action: A3	State (1, 2, 4) V = -4.1 Best Action: A4 State (1, 3, 1) V = -3.88 Best Action: A3	Action State (3, 3, 1) V = 57.71 Best Action: A2	State (5, 4, 4) V = 67.96 Best Action: A3 State (5, 5, 1) V = 100 Best Action: No Action	State (2, 5, 3) V = -5.51 Best Action: A4 State (2, 5, 4) V = -5.52 Best Action: A3
State (2, 1, 3) V = -2.18 Best Action: A3	State (4, 1, 3) V = -3.73 Best Action: A3	State (1, 3, 2) V = -3.9 Best Action: A3	State (3, 3, 2) V = 38.7 Best Action: A4	State (5, 5, 2) V = 100 Best Action: No Action	State (3, 1, 1) V = 7.13 Best Action: A4
State (2, 1, 4) V = -2.12 Best Action: A3 State (2, 2, 1) V = -100000 Best Action: No	State (4, 1, 4) V = -3.66 Best Action: A4 State (4, 2, 1) V = -70.1 Best Action: A4	State (1, 3, 3) V = -4.12 Best Action: A4 State (1, 3, 4) V = -4.12 Best Action: A3	State (3, 3, 3) V = 48.72 Best Action: A4 State (3, 3, 4) V = 44.73 Best Action: A3	State (5, 5, 3) V = 100 Best Action: No Action State (5, 5, 4) V = 100 Best Action: No Action	State (3, 1, 2) V = 7.13 Best Action: A3 State (3, 1, 3) V = 4.75 Best Action: A3
Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = -4.49 Best Action: A1 State (4, 2, 3) V = -9.0 Best Action: A3	State (1, 4, 1) V = -4.75 Best Action: A3 State (1, 4, 2) V = -4.78 Best Action: A4	State (3, 4, 1) V = 53.63 Best Action: A1 State (3, 4, 2) V = 28.69 Best Action: A1	Iteration 8: State (1, 1, 1) V = -4.02 Best Action: A4	State (3, 1, 4) V = 13.8 Best Action: A2 State (3, 2, 1) V = -100000 Best Action: No
Action	State (4, 2, 4) V = -7.82 Best Action: A1	State (1, 4, 3) V = -4.88 Best Action: A4	State (3, 4, 3) V = 38.93 Best Action: A4	State (1, 1, 2) V = -4.01 Best Action: A3	Action
State (2, 2, 3) V = -100000 Best Action: No Action	State (4, 3, 1) V = -70.14 Best Action: A4 State (4, 3, 2) V = -4.96 Best Action: A2	State (1, 4, 4) V = -10.33 Best Action: A3 State (1, 5, 1) V = -3.82 Best Action: A3	State (3, 4, 4) V = -21.76 Best Action: A3 State (3, 5, 1) V = 71.45 Best Action: A4	State (1, 1, 3) V = -4.38 Best Action: A3 State (1, 1, 4) V = 1.21 Best Action: A2	State (3, 2, 2) V = -100000 Best Action: No Action
State (2, 2, 4) V = -100000 Best Action: No	State (4, 3, 3) V = 10.2 Best Action: A1 State (4, 3, 4) V = -7.86 Best Action: A1	State (1, 5, 2) V = -3.95 Best Action: A3 State (1, 5, 3) V = -4.08 Best Action: A4	State (3, 5, 2) V = 66.98 Best Action: A3 State (3, 5, 3) V = 62.19 Best Action: A4	State (1, 2, 1) V = -5.15 Best Action: A3 State (1, 2, 2) V = -5.04 Best Action: A3	State (3, 2, 3) V = -100000 Best Action: No Action
Action State (2, 3, 1) V = -100000 Best Action: No	State (4, 4, 1) V = -1000 Best Action: No	State (1, 5, 4) V = -4.08 Best Action: A3	State (3, 5, 4) V = 83.3 Best Action: A2	State (1, 2, 3) V = -5.2 Best Action: A3	State (3, 2, 4) V = -100000 Best Action: No
Action State (2, 3, 2) V = -100000 Best Action: No	Action State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 1) V = -3.86 Best Action: A3 State (2, 1, 2) V = -3.86 Best Action: A3	State (4, 1, 1) V = -11.8 Best Action: A4 State (4, 1, 2) V = -5.3 Best Action: A3	State (1, 2, 4) V = -5.2 Best Action: A4 State (1, 3, 1) V = -5.17 Best Action: A3	Action State (3, 3, 1) V = 58.94 Best Action: A2
Action	Action State (4, 4, 3) V = -1000 Best Action: No	State (2, 1, 3) V = -4.14 Best Action: A3 State (2, 1, 4) V = -4.17 Best Action: A3	State (4, 1, 3) V = -5.74 Best Action: A3 State (4, 1, 4) V = -1.31 Best Action: A1	State (1, 3, 2) V = -5.09 Best Action: A3 State (1, 3, 3) V = -5.24 Best Action: A3	State (3, 3, 2) V = 43.47 Best Action: A4 State (3, 3, 3) V = 50.41 Best Action: A4
State (2, 3, 3) V = -100000 Best Action: No Action	Action	State (2, 2, 1) V = -100000 Best Action: No	State (4, 2, 1) V = -70.68 Best Action: A4	State (1, 3, 4) V = -5.24 Best Action: A4	State (3, 3, 4) V = 47.21 Best Action: A3
State (2, 3, 4) V = -100000 Best Action: No Action	State (4, 4, 4) V = -1000 Best Action: No Action	Action State (2, 2, 2) V = -100000 Best Action: No	State (4, 2, 2) V = -6.77 Best Action: A1 State (4, 2, 3) V = -11.05 Best Action: A3	State (1, 4, 1) V = -6.11 Best Action: A3 State (1, 4, 2) V = -6.09 Best Action: A4	State (3, 4, 1) V = 54.62 Best Action: A1 State (3, 4, 2) V = 32.99 Best Action: A1
State (2, 4, 1) V = -5.33 Best Action: A3	State (4, 5, 1) V = 62.1 Best Action: A4 State (4, 5, 2) V = -4.54 Best Action: A3	Action State (2, 2, 3) V = -100000 Best Action: No	State (4, 2, 4) V = -4.99 Best Action: A1 State (4, 3, 1) V = -40.45 Best Action: A3	State (1, 4, 4) V = -6.11 Best Action: A3 State (1, 4, 4) V = -10.85 Best Action: A4	State (3, 4, 3) V = 39.92 Best Action: A4 State (3, 4, 4) V = -20.6 Best Action: A3
State (2, 4, 2) V = -5.33 Best Action: A4 State (2, 4, 3) V = -3.44 Best Action: A2	State (4, 5, 3) V = 49.09 Best Action: A4	Action	State (4, 3, 2) V = 21.63 Best Action: A4	State (1, 5, 1) V = -5.06 Best Action: A3	State (3, 5, 1) V = 71.7 Best Action: A4
State (2, 4, 4) V = -68.5 Best Action: A3 State (2, 5, 1) V = -1.68 Best Action: A4	State (4, 5, 4) V = 78.64 Best Action: A1 State (5, 1, 1) V = -2.53 Best Action: A4	State (2, 2, 4) V = -100000 Best Action: No Action	State (4, 3, 3) V = 34.43 Best Action: A1 State (4, 3, 4) V = 14.0 Best Action: A4	State (1, 5, 2) V = -5.16 Best Action: A3 State (1, 5, 3) V = -5.21 Best Action: A4	State (3, 5, 2) V = 67.69 Best Action: A3 State (3, 5, 3) V = 62.52 Best Action: A4
State (2, 5, 2) V = -1.96 Best Action: A3	State (5, 1, 2) V = -2.53 Best Action: A3 State (5, 1, 3) V = -3.04 Best Action: A3	State (2, 3, 1) V = -100000 Best Action: No Action	State (4, 4, 1) V = -1000 Best Action: No Action	State (1, 5, 4) V = -5.21 Best Action: A3 State (2, 1, 1) V = -3.62 Best Action: A4	State (3, 5, 4) V = 83.36 Best Action: A2 State (4, 1, 1) V = 0.91 Best Action: A4
State (2, 5, 3) V = -2.2 Best Action: A4 State (2, 5, 4) V = -2.14 Best Action: A3	State (5, 1, 4) V = -2.89 Best Action: A3	State (2, 3, 2) V = -100000 Best Action: No	State (4, 4, 2) V = -1000 Best Action: No	State (2, 1, 2) V = -3.62 Best Action: A3	State (4, 1, 2) V = 7.12 Best Action: A3
State (3, 1, 1) V = -1.68 Best Action: A4	State (5, 2, 1) V = -2.56 Best Action: A4	Action	Action	State (2, 1, 3) V = -4.05 Best Action: A3	State (4, 1, 3) V = 4.75 Best Action: A3

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State (4, 1, 4) V = 13.79 Best Action: A1
State (4, 2, 1) V = -58.36 Best Action: A4
  State (4, 2, 2) V = 4.21 Best Action: A3
 State (4, 2, 3) V = -1.83 Best Action: A3
State (4, 2, 4) V = 10.12 Best Action: A1
State (4, 3, 1) V = -35.57 Best Action: A3
State (4, 3, 2) V = 27.28 Best Action: A4
  State (4, 3, 3) V = 36.58 Best Action: A1
 State (4, 3, 4) V = 19.81 Best Action: A1
State (4, 4, 1) V = -1000 Best Action: No
   Action
State (4, 4, 2) V = -1000 Best Action: No
  Action
  State (4, 4, 3) V = -1000 Best Action: No
 Action
State (4, 4, 4) V = -1000 Best Action: No
  Action
State (4, 5, 1) V = 68.01 Best Action: A4
State (4, 5, 1) V = -0.16 Best Action: A4 State (4, 5, 3) V = 55.36 Best Action: A4 State (4, 5, 4) V = 79.44 Best Action: A2 State (5, 1, 1) V = 26.11 Best Action: A2 State (5, 1, 2) V = 16.0 Best Action: A3
  State (5, 1, 3) V = 19.66 Best Action: A4
State (5, 1, 4) V = 21.44 Best Action: A3
 State (5, 2, 1) V = 21.44 Best Action: A3
State (5, 2, 1) V = 26.55 Best Action: A1
State (5, 2, 2) V = 16.57 Best Action: A3
  State (5, 2, 3) V = 20.45 Best Action: A4
  State (5, 2, 4) V = 21.84 Best Action: A3
  State (5, 3, 1) V = 34.2 Best Action: A3
 State (5, 3, 1) V = 34.2 Best Action: A3
State (5, 3, 2) V = 32.13 Best Action: A4
State (5, 3, 3) V = 40.7 Best Action: A2
State (5, 4, 1) V = 79.43 Best Action: A3
  State (5, 4, 2) V = 54.84 Best Action: A3
 State (5, 4, 2) V = -0.2 Best Action: As State (5, 4, 4) V = -0.2 Best Action: As State (5, 5, 1) V = 100 Best Action: No Action State (5, 5, 2) V = 100 Best Action: No Action
  State (5, 5, 3) V = 100 Best Action: No Action
 State (5, 5, 5) V = 100 Best Action: No Action Iteration 10:
State (1, 1, 1) V = 2.72 Best Action: A4
  State (1, 1, 2) V = 3.3 Best Action: A3
 State (1, 1, 3) V = 1.68 Best Action: A3
State (1, 1, 4) V = 8.93 Best Action: A2
State (1, 2, 1) V = -4.16 Best Action: A3
State (1, 2, 2) V = 0.38 Best Action: A1
  State (1, 2, 3) V = -1.07 Best Action: A3
 State (1, 2, 4) V = -1.07 Best Action: A3
State (1, 3, 1) V = -4.29 Best Action: A3
State (1, 3, 2) V = 0.18 Best Action: A2
                                                         Best Action: A3
  State (1, 3, 3) V = -1.24
  State (1, 3, 4) V = -1.24 Best Action: A4
  State (1, 4, 1) V = -5.69 Best Action: A3
 State (1, 4, 2) V = -2.15
State (1, 4, 2) V = -2.15
State (1, 4, 3) V = -3.18
State (1, 4, 4) V = -7.99
Best Action: A3
State (1, 4, 4) V = -7.99
Best Action: A4
  State (1, 5, 1) V = -5.26 Best Action: A3
  State (1, 5, 2) V = -2.37 Best Action: A2
 State (1, 5, 2) V = -2.3 Best Action: A2
State (1, 5, 4) V = -3.3 Best Action: A3
State (2, 1, 1) V = 4.12 Best Action: A4
State (2, 1, 2) V = 4.12 Best Action: A4
 State (2, 1, 3) V = 2.6 Best Action: A3
State (2, 1, 4) V = 9.86 Best Action: A1
State (2, 2, 1) V = -100000 Best Action: No
  Action
  State (2, 2, 2) V = -100000 Best Action: No
  Action
   State (2. 2. 3) V = -100000 Best Action: No
 Action
State (2, 2, 3) V = -100000 Best Action: No
Best Action: No
Best Action: No
  State (2, 3, 1) V = -100000 Best Action: No
    State (2, 3, 2) V = -100000 Best Action: No
  State (2, 3, 3) V = -100000 Best Action: No
  Action
 State (2, 3, 4) V = -100000 Best Action: No
Action
State (2, 4, 1) V = -10.51 Best Action: A1
State (2, 4, 2) V = -11.22 Best Action: A4
  State (2, 4, 3) V = -5.41 Best Action: A1
 State (2, 4, 4) V = -70.14 Best Action: A3
State (2, 5, 1) V = -5.61 Best Action: A3
State (2, 5, 2) V = -5.99 Best Action: A3
State (2, 5, 2) v = -5,39

State (2, 5, 4) v = -8.8

State (3, 1, 1) v = 10.41

State (3, 1, 1) v = 10.41

State (3, 1, 3) v = 7.71

State (3, 1, 4) v = 1.575

State (3, 1, 4) v = 1.575
  State (3, 2, 1) V = -100000 Best Action: No
   State (3, 2, 2) V = -100000 Best Action: No
  Action
State (3, 2, 3) V = -100000 Best Action: No
  Action
  State (3, 2, 4) V = -100000 Best Action: No
 Action
State (3, 3, 1) V = 58.99 Best Action: A2
State (3, 3, 2) V = 43.68 Best Action: A4
  State (3, 3, 3) V = 50.48 Best Action: A4
State (3, 3, 4) V = 47.37 Best Action: A3
 State (3, 4, 1) V = 54.66 Best Action: A1
State (3, 4, 2) V = 33.19 Best Action: A1
State (3, 4, 3) V = 40.16 Best Action: A4
  State (3, 4, 4) V = -20.56 Best Action: A3
 State (3, 5, 1) V = 71.71 Best Action: A4
State (3, 5, 2) V = 67.72 Best Action: A3
State (3, 5, 3) V = 62.53 Best Action: A4
  State (3, 5, 4) V = 83.37 Best Action: A2
  State (4, 1, 1) V = 3.91 Best Action: A4

        State (4, 1, 2) ∨ = 10.4
        Best Action: A3

        State (4, 1, 4) ∨ = 15.72
        Best Action: A3

        State (4, 2, 1) ∨ = -55.62
        Best Action: A1

        State (4, 2, 2) ∨ = 7.39
        Best Action: A3

        State (4, 2, 3) ∨ = 1.1
        Best Action: A1

        State (4, 2, 4) ∨ = 12.04
        Best Action: A1

        State (4, 3, 1) ∨ = 35.27
        Best Action: A3

        State (4, 3, 3) ∨ = 27.93
        Best Action: A1

        State (4, 3, 3) ∨ = 36.7
        Best Action: A1

  State (4, 1, 2) V = 10.4 Best Action: A3
 State (4, 3, 4) V = 20.46 Best Action: A1
State (4, 4, 1) V = -1000 Best Action: No
  Action State (4, 4, 2) V = -1000 Best Action: No
  Action
  State (4, 4, 3) V = -1000 Best Action: No
   State (4, 4, 4) V = -1000 Best Action: No
  State (4, 5, 1) V = 68.01 Best Action: A4
  State (4, 5, 2) V = -0.16 Best Action: A3
 State (4, 5, 3) V = 55.36 Best Action: A4
State (4, 5, 4) V = 79.44 Best Action: A1
State (5, 1, 1) V = 26.92 Best Action: A2
  State (5, 1, 2) V = 17.87 Best Action: A3
  State (5, 1, 3) V = 20.71 Best Action: A4
 State (5, 1, 4) V = 22.36 Best Action: A3
State (5, 2, 1) V = 27.35 Best Action: A1
State (5, 2, 2) V = 18.35 Best Action: A3
State (5, 2, 3) V = 21.42 Best Action: A4
  State (5, 2, 4) V = 22.75 Best Action: A3
 State (5, 3, 1) V = 34.5

State (5, 3, 2) V = 32.57

State (5, 3, 3) V = 40.81

State (5, 3, 3) V = 40.81

State (5, 3, 4) V = 29.65

Best Action: A3
  State (5, 4, 1) V = 79.43 Best Action: A1
State (5, 4, 2) V = 54.84 Best Action: A3
  State (5, 4, 3) V = -0.2 Best Action: A4
State (5, 4, 4) V = 67.97 Best Action: A3
  State (5, 5, 1) V = 100 Best Action: No Action
  State (5, 5, 2) V = 100 Best Action: No Action
State (5, 5, 3) V = 100 Best Action: No Action
  State (5, 5, 4) V = 100 Best Action: No Action
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