

State (4, 1, 4) V = 90.5	Best Action: A3
State (4, 2, 2) V = 91.5	Best Action: A1
State (4, 2, 2) V = 90.5	Best Action: A3
State (4, 3, 2) 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 = 93.5	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, 3) V = 98.5	Best Action: A3
State (4, 5, 4) V = 97.5	Best Action: A1
State (5, 1, 1) V = 90.5	Best Action: A2
State (5, 1, 2) V = 89.5	Best Action: A3
State (5, 1, 3) V = 90.0	Best Action: A4
State (5, 1, 4) V = 90.0	Best Action: A3
State (5, 2, 1) V = 91.0	Best Action: A1
State (5, 2, 2) V = 91.0	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	Best Action: A3
State (5, 3, 2) V = 92.5	Best Action: A4
State (5, 3, 3) V = 93.0	Best Action: A2
State (5, 3, 4) V = 93.0	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, 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 = 89.5	Best Action: A3
State (1, 1, 3) V = 88.0	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	Best Action: A3
State (1, 3, 1) V = 91.5	Best Action: A1
State (1, 3, 2) V = 91.5	Best Action: A3
State (1, 3, 3) 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 (1, 4, 2) V = 93.0	Best Action: A3
State (1, 4, 3) V = 92.5	Best Action: A3
State (1, 4, 4) V = 92.5	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: A3
State (2, 1, 2) V = 88.0	Best Action: A4
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 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, 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 = -10000	Best Action: No Action
State (3, 2, 2) V = -10000	Best Action: No Action
State (3, 2, 3) V = -10000	Best Action: No Action
State (3, 2, 4) V = -10000	Best Action: No Action
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 = 96.0	Best Action: A3
State (3, 4, 1) V = 95.0	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: 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, 3) 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 = 91.0	Best Action: A3
State (4, 2, 3) V = 91.0	Best Action: A4
State (4, 2, 4) 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:

Ans D)

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, 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: A3
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

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, 3) V = 12.09	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, 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, 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, 2) V = 16.24	Best Action: A1
State (1, 5, 3) V = 12.49	Best Action: A3
State (1, 5, 4) V = 12.49	Best Action: A4
State (2, 1, 1) V = 5.7	Best Action: A4
State (2, 1, 2) V = 5.7	Best Action: A3
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, 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, 4) V = -100000	Best Action: No Action
State (2, 4, 1) V = 22.57	Best Action: A4
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 (2, 5, 1) V = 9.7	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, 5, 4) V = 12.75	Best Action: A4
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 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 Action
State (3, 3, 1) V = 47.52	Best Action: A2
State (3, 3, 2) V = 29.52	Best Action: A3
State (3, 3, 3) V = 37.52	Best Action: A4
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: A4
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, 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: A3
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

[illegible]

[illegible]

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, 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 = 26.11 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 = 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, 2) V = 32.13 Best Action: A4
State (5, 3, 3) V = 40.7 Best Action: A2
State (5, 3, 4) V = 29.32 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
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: A4
State (1, 3, 1) V = -4.29 Best Action: A3
State (1, 3, 2) V = 0.18 Best Action: A2
State (1, 3, 3) V = -1.24 Best Action: A3
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 Best Action: A1
State (1, 4, 3) V = -3.18 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, 3) V = -3.3 Best Action: A3
State (1, 5, 4) V = -3.32 Best Action: A4
State (2, 1, 1) V = 4.12 Best Action: A4
State (2, 1, 2) V = 4.12 Best Action: A3
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, 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, 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, 3) V = -4.8 Best Action: A1
State (2, 5, 4) V = -5.73 Best Action: A3
State (3, 1, 1) V = 10.41 Best Action: A4
State (3, 1, 2) V = 10.41 Best Action: A3
State (3, 1, 3) V = 7.71 Best Action: A3
State (3, 1, 4) V = 15.75 Best Action: A2
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
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) V = 10.4 Best Action: A3
State (4, 1, 3) V = 7.67 Best Action: A3
State (4, 1, 4) V = 15.72 Best Action: A1
State (4, 2, 1) V = -55.62 Best Action: A4
State (4, 2, 2) V = 7.39 Best Action: A3
State (4, 2, 3) V = 1.1 Best Action: A3
State (4, 2, 4) V = 12.04 Best Action: A1
State (4, 3, 1) V = -35.27 Best Action: A3
State (4, 3, 2) V = 27.93 Best Action: A4
State (4, 3, 3) V = 36.7 Best Action: A1
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
Action
State (4, 4, 4) V = -1000 Best Action: No
Action
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 Best Action: A3
State (5, 3, 2) V = 32.57 Best Action: A4
State (5, 3, 3) V = 40.81 Best Action: A2
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