A5)array([[21.97748529, 24.4194281 , 21.97748529, 19.4194281 ,
17.47748529],
       [16.02158677, 21.97748529, 19.77973676, 17.80176308, 16.02158677],
       [17.80176308, 19.77973676, 17.80176308, 16.02158677, 14.4194281],
       [12.97748529, 17.80176308, 16.02158677, 14.4194281 , 12.97748529],
       [14.4194281 , 16.02158677, 14.4194281 , 12.97748529, 11.67973676]])

A2)array([[3.30899634, 8.78929186, 4.42761918, 5.32236759,
1.49217876],
       [1.52158807, 2.99231786, 2.25013995, 1.9075717 , 0.54740271],
       [0.05082249, 0.73817059, 0.67311326, 0.35818621, -0.40314114],
       [-0.9735923 , -0.43549543, -0.35488227, -0.58560509, -1.18307508],
       [-1.85770055, -1.34523126, -1.22926726, -1.42291815, -1.97517905]])
A6)Convergence in Policy Iteration:

[[0.   -13.90085451 -19.85308423 -21.83559257]
 [-13.90085451 -17.8705759 -19.854067   -19.85308423]
 [-19.85308423 -19.854067   -17.8705759 -13.90085451]
 [-21.83559257 -19.85308423 -13.90085451   0.   ]]
[[0. -1. -2. -3.]
 [-1. -2. -3. -2.]
 [-2. -3. -2. -1.]
 [-3. -2. -1. 0.]]
[[0. -1. -2. -3.]
 [-1. -2. -3. -2.]
 [-2. -3. -2. -1.]
 [-3. -2. -1. 0.]]

Convergence in Value Iteration:
[[0. 0. 0. 0.]
 [0. 0. 0. 0.]
 [0. 0. 0. 0.]
 [0. 0. 0. 0.]]
[[0. -1. -1. -1.]
 [-1. -1. -1. -1.]
 [-1. -1. -1. -1.]
 [-1. -1. -1. 0.]]
[[0. -1. -2. -2.]
 [-1. -2. -2. -2.]
 [-2. -2. -2. -1.]
 [-2. -2. -1. 0.]]
[[0. -1. -2. -3.]
 [-1. -2. -3. -2.]
 [-2. -3. -2. -1.]

```
 [-3. -2. -1.  0.]]
```