Part 1 Output:

```
  0%|            | 3/10000 [00:00<07:13, 23.06it/s]

Iteration:
0



[[ 0.         -1.72803231 -2.26743172 -2.43601399 -2.47333027]
 [-1.72112988 -2.16395112 -2.37695979 -2.4379748  -2.4350962 ]
 [-2.26743404 -2.37535465 -2.42240995 -2.37125679 -2.26766452]
 [-2.43356435 -2.43582    -2.36965757 -2.16337764 -1.70885303]
 [-2.47271666 -2.43329795 -2.26365623 -1.71245607  0.        ]]
Iteration:
1



[[ 0.         -1.72803231 -2.26743172 -2.43601399 -2.47333027]
 [-1.72112988 -2.16395112 -2.37695979 -2.4379748  -2.4350962 ]
 [-2.2674599  -2.37535608 -2.42240995 -2.37125679 -2.26766452]
 [-2.43356435 -2.43579048 -2.36967064 -2.16337764 -1.70885303]
 [-2.47271666 -2.43324273 -2.26359446 -1.71239662  0.        ]]
```

```
   0%|            | 12/10000 [00:00<09:09, 18.19it/s]

 Iteration:
 10



 [[ 0.         -1.72811677 -2.26746898 -2.43606922 -2.47331719]
  [-1.72118315 -2.16406988 -2.37704858 -2.43799535 -2.43514098]
  [-2.26741585 -2.37533235 -2.42239438 -2.37123241 -2.267635  ]
  [-2.43357079 -2.43574176 -2.36963883 -2.16331043 -1.70882482]
  [-2.47270648 -2.43322784 -2.26360869 -1.71247777  0.        ]]

 100%|██████████| 10000/10000 [06:25<00:00, 25.97it/s]
```
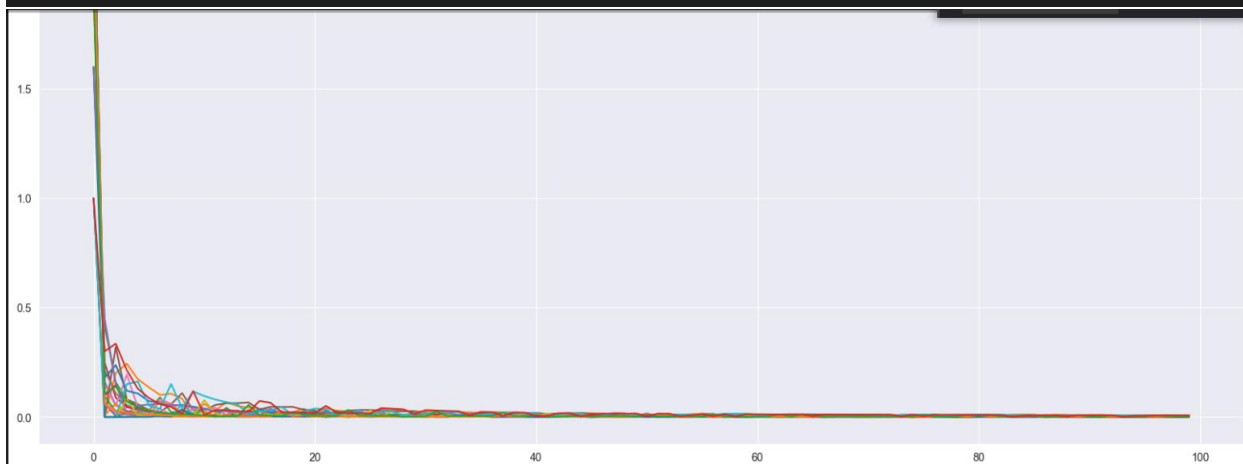
```
array([[ 0.        , -1.72527066, -2.26566801, -2.43445018, -2.4734161 ],
       [-1.71516741, -2.16339789, -2.3760109 , -2.43679948, -2.43364564],
       [-2.26799259, -2.37519845, -2.42166487, -2.37220197, -2.26439284],
       [-2.43447745, -2.43515412, -2.36918991, -2.16367328, -1.71043737],
       [-2.47370859, -2.43413682, -2.26446656, -1.71137973,  0.        ]])
```


Part 2 Output:

```
...     2%||              | 222/10000 [00:00<00:09, 1009.87it/s]

    Iteration:
    0


    [[0. 0. 0. 0. 0.]
     [0. 0. 0. 0. 0.]
     [0. 0. 0. 0. 0.]
     [0. 0. 0. 0. 0.]
     [0. 0. 0. 0. 0.]]
    Iteration:
    1


    [[ 0.          0.          0.          0.          0.        ]
     [ 0.          0.          0.          0.          0.        ]
     [ 0.          0.          0.          0.          0.        ]
     [-2.49455804  0.          0.          0.          0.        ]
     [-2.49093007 -1.96       -1.6        -1.          0.        ]]
    Iteration:
```

```
10


[[ 0.          -1.          -1.6         -2.3056      -2.430016  ]
 [-1.          -1.6         -1.96        -2.176       -2.4580096 ]
 [-1.6         -2.430016    -2.47480576  -1.96         0.        ]
 [-1.96        -2.38336     -2.3056      -1.6         -1.        ]
 [-2.176       -1.96        -1.6         -1.          0.        ]]

100%|████████████| 10000/10000 [01:01<00:00, 162.07it/s]
```

```
array([[ 0.   , -1.   , -1.6  , -1.96 , -2.176],
       [-1.   , -1.6  , -1.96 , -2.176, -1.96 ],
       [-1.6  , -1.96 , -2.176, -1.96 , -1.6  ],
       [-1.96 , -2.176, -1.96 , -1.6  , -1.   ],
       [-2.176, -1.96 , -1.6  , -1.   ,  0.   ]])
```