**A 3-layer NN. The hidden layer has 4 perceptrons.**

try1

Hidden layer is

[[ 0.6936078 11.342614 5.4633217 12.946421 ]

[12.554043 5.864651 0.04801989 6.8100643 ]

[14.6197815 1.4986358 7.8000636 4.4043045 ]

[13.322151 0.29879427 5.675428 12.056851 ]

[ 7.0483418 5.035307 2.50657 13.953157 ]

[ 0.4426999 14.074163 11.807701 6.2547927 ]

[ 0.13768816 6.7640266 11.938072 10.563127 ]

[ 6.6736693 0.96441984 10.044598 14.3085165 ]

[11.835277 6.3193884 12.801717 0.25125837]

[ 8.013183 13.551943 0.03140545 11.8861885 ]

[ 8.241216 0.02105474 12.341263 6.62252 ]

[ 6.6848135 12.780264 8.2342 0.05791378]

[10.830362 14.404402 1.734549 4.2837353 ]

[14.42243 8.565501 5.489152 0.932559 ]

[ 3.1906104 15.442814 4.499503 6.8118258 ]

[ 3.9405599 6.961864 14.364435 4.0806403 ]]

try 2

Hidden layer is

[1.33037567e-04 7.16222477e+00 1.09470100e+01 1.17507372e+01]

[9.71574497e+00 1.22646265e+01 4.04620171e-02 1.00197363e+01]

[1.04237080e-01 1.23144722e+01 1.09278812e+01 5.98878860e+00]

[1.34583244e+01 1.48224115e+00 8.75497818e+00 5.09048271e+00]

[2.13807845e+00 5.49003553e+00 1.41876278e+01 5.57872057e+00]

[1.24443626e+01 1.14692688e+00 6.31136560e+00 1.26465559e+01]

[5.94065189e+00 1.10074329e+01 1.15416374e+01 7.33470917e-03]

[1.91045809e+00 1.17829132e+01 4.59363890e+00 1.15659237e+01]

[7.27463484e+00 6.30383682e+00 3.01284051e+00 1.48000727e+01]

[9.32962799e+00 4.40326309e+00 1.42096043e+01 2.26241660e+00]

[1.19468155e+01 1.20282497e+01 3.19066620e+00 3.07764721e+00]

[1.36418953e+01 5.62936974e+00 1.91495705e+00 6.82036591e+00]

[1.39793339e+01 8.45034218e+00 9.35229683e+00 3.53653908e-01]

[8.07560825e+00 4.05626297e-02 1.39890461e+01 9.19373512e+00]

[6.17713356e+00 2.40184760e+00 1.05895424e+01 1.57561979e+01]

[4.55388546e+00 1.34869099e+01 4.29822016e+00 4.38814020e+00]]

try 3

Hidden layer is

[[ 4.107316 14.960733 2.7578704 7.7493563 ]

[11.087016 12.858191 0.4690299 5.097112 ]

[10.676272 3.1101544 13.018892 3.2790792 ]

[13.206131 5.409196 0.9517126 7.279402 ]

[ 0.18763256 11.768585 10.123781 5.059683 ]

[ 0.26245117 6.759265 12.457964 12.8745365 ]

[ 0.29701185 10.706249 5.5710044 12.567852 ]

[11.691267 6.8655996 5.1851873 0.08374071]

[ 7.540188 14.870142 6.556529 0.9793968 ]

[11.368656 1.1741009 4.690254 12.960747 ]

[ 3.7338462 3.8380783 5.7514215 14.281584 ]

[ 6.4030933 8.15964 0.04747152 12.125473 ]

[13.14896 1.0990071 7.1260557 5.9753413 ]

[ 3.8403332 5.8782625 14.832554 5.8769994 ]

[ 8.054899 10.5077305 13.700519 0.08169985]

[ 6.1531663 0.07737398 10.591866 9.67461 ]]

try 4

Hidden layer is

[[ 1.3580642 6.1153126 10.5969305 13.974838 ]

[12.261169 7.0006685 6.5702014 0.04562855]

[ 9.744742 13.121216 2.813971 2.996157 ]

[ 0.03615046 10.682739 11.127714 5.9705315 ]

[12.063423 4.9560323 2.3123686 13.082197 ]

[ 6.267601 10.855654 0.06995678 10.042945 ]

[ 0.679821 11.904339 5.6560946 12.523754 ]

[ 4.643137 6.1480327 4.1749277 14.558344 ]

[ 6.1028857 12.234228 8.627048 0. ]

[12.7257 2.4078827 13.904305 4.1749587 ]

[ 3.0980504 14.437883 4.7287073 5.663655 ]

[14.637587 8.686236 1.6296992 6.714677 ]

[ 8.121581 0.0693965 8.634685 12.911557 ]

[14.433877 2.1209633 6.233054 7.147708 ]

[ 5.3384433 2.8830564 14.62626 8.702478 ]

[ 6.625023 7.8620853 14.799434 1.9890809 ]]

try 5

Hidden layer is

[[ 1.1113715 13.623053 6.102838 6.607876 ]

[ 3.7089095 10.719566 1.4815099 12.065396 ]

[14.971339 10.305658 0.19297552 6.401355 ]

[11.475403 0.53689814 13.301375 5.283292 ]

[ 2.987915 2.1703017 11.394372 8.317192 ]

[11.583868 12.775518 5.2226667 0. ]

[10.384462 5.2953606 0.27145386 12.459013 ]

[ 0.6495538 9.879267 13.103624 5.066986 ]

[14.741493 2.3001304 5.486082 6.7578673 ]

[ 0.05920982 10.354647 9.986092 12.981338 ]

[ 4.6942844 13.547504 9.918191 0.12812471]

[11.61549 0.13732576 9.118209 13.552833 ]

[ 7.0286794 13.55405 0.2607231 5.7807636 ]

[13.525274 5.8789606 9.605679 0.05125475]

[ 5.0322714 4.9047513 6.1751137 15.045886 ]

[ 6.343125 6.1417365 12.8221245 0.11779833]]